



Note di rilascio di Amazon RDS for Oracle

# Amazon Relational Database Service



# Amazon Relational Database Service: Note di rilascio di Amazon RDS for Oracle

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# Note di rilascio di Amazon Relational Database Service (Amazon RDS) per Oracle

Per informazioni dettagliate sulle versioni di Oracle Database supportate da Amazon RDS, consulta le Note di rilascio di Amazon RDS per Oracle.

Aggiorna le istanze database Amazon RDS for Oracle per mantenerle aggiornate. Se applichi gli aggiornamenti, puoi essere certo che l'istanza database esegue una versione del software di database che è stata testata da Oracle e Amazon. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

Quando crei una nuova istanza database, puoi specificare qualsiasi versione di Oracle Database attualmente supportata. Si può specificare la versione principale, ad esempio Oracle Database 21c Release 1 (21.0.0.0), e qualsiasi versione secondaria supportata per la versione principale specificata. Se non viene specificata alcuna versione, Amazon RDS utilizza per impostazione predefinita una versione supportata, in genere la più recente. Se viene specificata una versione principale ma non una secondaria, per impostazione predefinita Amazon RDS utilizza una release recente della versione principale specificata. Per visualizzare un elenco di versioni supportate e di valori predefiniti per le nuove istanze database create, utilizza il comando [describe-db-engine-versions](#) AWS CLI.

Queste note di rilascio si applicano a RDS per Oracle. Per informazioni dettagliate su RDS Custom per Oracle, consulta [RDS Custom](#).

## Argomenti

- [Amazon RDS per Oracle Database 21c \(21.0.0.0\)](#)
- [Amazon RDS per Oracle Database 19c \(19.0.0.0\)](#)
- [Amazon RDS per Oracle Database 18c \(18,0.0.0\)](#)
- [Amazon RDS per Oracle Database 12c Release 2 \(12.1.0.2\)](#)
- [Amazon RDS per Oracle Database 12c Release 1 \(12.1.0.2\)](#)
- [Amazon RDS per Oracle Database 11g Release 2 \(11,2.0.4\)](#)

# Amazon RDS per Oracle Database 21c (21.0.0.0)

Amazon RDS per Oracle Database 21c (21.0.0.0) integra correzioni di bug da Oracle tramite Aggiornamenti dei rilasci (RU). Il formato di denominazione per un RU è il seguente: *release*.*ru*-*date*.*ru**r*-*date*.*rnumber*. Ad esempio, viene denominato l'aggiornamento Oracle Database 21c rilasciato da Oracle Corporation nell'aprile 2023. 21.0.0.0.ru-2023-04.ru~~r~~-2023-04.r1 Il formato di denominazione ha i seguenti componenti:

- *release* È il numero a cinque cifre della versione, ad esempio, 21.0.0.0
- *date* È l'anno a 4 cifre e il mese a 2 cifre in cui l'aggiornamento è stato reso disponibile da Oracle, ad esempio, 2024-04
- La *rnumber* è la revisione, ad esempio, r1

Un aggiornamento a un RU è chiamato aggiornamento della versione secondaria. Anche se la stringa *ru**r* appare nel nome della patch, si tratta di una RU anziché di una Release Update Revision (RUR). Amazon RDS esegue l'upgrade da un RU a un altro RU. RDS non supporta RUR come parte del meccanismo di aggiornamento delle versioni secondarie. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

Per scoprire quali RU vengono applicati ad Amazon RDS per Oracle Database 21c (21.0.0), guarda la tabella seguente.

Data	RU
2024 aprile	<a href="#">Versione 21.0.0.0.ru-2024-04.ru<del>r</del>-2024-04.r1</a>
2024 gennaio	<a href="#">Versione 21.0.0.0.ru-2024-01.ru<del>r</del>-2024-01.r1</a>
Ottobre 2023	<a href="#">Versione 21.0.0.0.ru-2023-10.ru<del>r</del>-2023-10.r1</a>
Luglio 2023	<a href="#">Versione 21,0.0.0.ru-2023-07.ru<del>r</del>-2023-07.r1</a>
2023 aprile	<a href="#">Versione 21.0.0.0.ru-2023-04.ru<del>r</del>-2023-04.r1</a>
2023 gennaio	<a href="#">Versione 21.0.0.0.ru-2023-01.ru<del>r</del>-2023-01.r2</a> e <a href="#">Versione 21.0.0.0.ru-2023-01.ru<del>r</del>-2023-01.r1</a>

Data	RU
Ottobre 2022	<a href="#">Versione 21.0.0.0.ru-2022-10.rur-2022-10.r1</a>
Luglio 2022	<a href="#">Versione 21.0.0.0.ru-2022-07.rur-2022-07.r1</a>
2022 aprile	<a href="#">Versione 21.0.0.0.ru-2022-04.rur-2022-04.r1</a>
Gennaio 2022	<a href="#">Versione 21.0.0.0.ru-2022-01.rur-2022-01.r1</a>

## Versione 21.0.0.0.ru-2024-04.rur-2024-04.r1

La versione 21.0.0.0.ru-2024-04.rur-2024-04.r1 include quanto segue:

- PATCH [36260537: AGGIORNAMENTO DSTV43 - TZDATA2024A - È NECESSARIA LA CORREZIONE DI OJVM](#)
- Patch [36260493](#): RDBMS - AGGIORNAMENTO DSTV43 - TZDATA2024A
- Patch [35.220.732](#): RDBMS - DSTV42 UPDATE - TZDATA2023C
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [34.698.179](#): RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [36352352: Aggiornamento del rilascio del database: 21.14.0.0.240416](#) (36352352)

Patch combinate per la versione 21.0.0.0.ru-2024-04.rur-2024-04.r1, rilasciata ad aprile 2024

Bug corretti:

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## Versione 21.0.0.0.ru-2024-01.rur-2024-01.r1

La versione 21.0.0.0.ru-2024-01.rur-2024-01.r1 include le seguenti patch:

- Patch [35.220.732](#): RDBMS - DSTV42 UPDATE - TZDATA2023C
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [34.698.179](#): RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch 36041222: [aggiornamento del rilascio del database: 21.13.0.0.240116 \(36041222\)](#)

Patch combinate per la versione 21.0.0.0.ru-2024-01.rur-2024-01.r1, rilasciata a gennaio 2024

Bug corretti:

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## Versione 21.0.0.0.ru-2023-10.rur-2023-10.r1

La versione 21.0.0.0.ru-2023-10.rur-2023-10.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [35.220.732](#): RDBMS - DSTV42 UPDATE - TZDATA2023C
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [34.698.179](#): RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch 32327201: RDBMS - AGGIORNAMENTO DSTV36 - TZDATA2020E
- Patch [35.740.258](#): Database Release Update : 21,12.0.0.231017 (35.740.258)

Patch combinate per la versione 21.0.0.0.ru-2023-10.rur-2023-10.r1,  
rilasciata a ottobre 2023

Bug corretti:

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## Versione 21.0.0.0.ru-2023-07.rur-2023-07.r1

La versione 21.0.0.0.ru-2023-07.rur-2023-07.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [35.220.732](#): RDBMS - DSTV42 UPDATE - TZDATA2023C
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [34.698.179](#): RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C

- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [35.428.978](#): Database Release Update : 21,11.0.0.230718 (35.428.978)

Patch combinate per la versione 21.0.0.0.ru-2023-07.rur-2023-07.r1,  
rilasciata luglio 2023

Bug corretti:

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# Versione 21.0.0.0.ru-2023-04.rur-2023-04.r1

La versione 21.0.0.0.ru-2023-04.rur-2023-04.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [35.220.732](#): RDBMS - DSTV42 UPDATE - TZDATA2023C
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [34.698.179](#): RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [35.134.934](#): Database Release Update : 21,10.0.0.230418 (35.134.934)

Patch combinate per la versione 21.0.0.0.ru-2023-04.rur-2023-04.r1,  
rilasciata aprile 2023

Bug corretti:

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## Versione 21.0.0.0.ru-2023-01.rur-2023-01.r2

La versione 21.0.0.0.ru-2023-01.rur-2023-01.r2 include quanto segue:

- Patch [35.099.674](#): DSTV41 UPDATE - TZDATA2022G - NEED OJVM FIX
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [34.698.179](#): RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [34.839.741](#): Database Release Update : 21,9.0.0.230117 (34.839.741)

Patch combinate per la versione 21.0.0.0.ru-2023-01.rur-2023-01.r2,  
rilasciate a gennaio 2023

Bug corretti:

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## Versione 21.0.0.0.ru-2023-01.rur-2023-01.r1

La versione 21.0.0.0.ru-2023-01.rur-2023-01.r1 include quanto segue:

- Patch [34.699.616](#):DSTV40 UPDATE - TZDATA2022E - NEED OJVM FIX
- Patch [34.698.179](#):RDBMS - DSTV40 UPDATE - TZDATA2022E
- Patch [34.533.061](#):RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [33.613.829](#):RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [32.327.201](#):RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [34.839.741](#): Database Release Update : 21,9.0.0.230117 (34.839.741)

Patch combinate per la versione 21.0.0.0.ru-2023-01.rur-2023-01.r1,  
rilasciata a gennaio 2023

Bug corretti:

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## Versione 21.0.0.0.ru-2022-10.rur-2022-10.r1

La versione 21.0.0.0.ru-2022-10.rur-2022-10.r1 include quanto segue:

- Patch [34.160.444](#): DATABASE RELEASE UPDATE 21,7.0.0.0
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.533.150](#): DSTV39 UPDATE - TZDATA2022C - NEED OJVM FIX

Patch combinate per la versione 21.0.0.0.ru-2022-10.rur-2022-10.r1,  
rilasciata a ottobre 2022

Bug corretti:

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## Versione 21.0.0.0.ru-2022-07.rur-2022-07.r1

La versione 21.0.0.0.ru-2022-07.rur-2022-07.r1 include quanto segue:

- Patch [34.160.444](#): DATABASE RELEASE UPDATE 21,7.0.0.0
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.533.150](#): DSTV39 UPDATE - TZDATA2022C - NEED OJVM FIX

Patch combinate per la versione 21.0.0.0.ru-2022-07.rur-2022-07.r1,  
rilasciata luglio 2022

Bug corretti:

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## Versione 21.0.0.0.ru-2022-04.rur-2022-04.r1

La versione 21.0.0.0.ru-2022-04.rur-2022-04.r1 include quantos egue:

- Patch [33.843.745](#): DATABASE RELEASE UPDATE 21,6.0.0.0
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [34.006.650](#): DSTV38 UPDATE - TZDATA2022A - NEED OJVM FIX

## Patch combinate per la versione 21.0.0.0.ru-2022-04.rur-2022-04.r1, rilasciata aprile 2022

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## Versione 21.0.0.0.ru-2022-01.rur-2022-01.r1

La versione 21.0.0.0.ru-2022-01.rur-2022-01.r1 include quanto segue:

- Patch [33.516.412](#): DATABASE RELEASE UPDATE 21.5.0.0.0
- Patch [33.792.011](#): DELIVER LIBCRYPTOCME.SO FOR DB 21,5 INSTALLS
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2020E
- Patch [33.613.833](#): DSTV37 UPDATE - TZDATA2020E - NEED OJVM FIX

Patch combinate per la versione 21.0.0.0.ru-2022-01.rur-2022-01.r1,  
 rilasciate a gennaio 2022

Bug corretti:

24559425, 25562258, 26139817, 26352569, 27162036, 27897090, 28294439  
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33599734, 33613512, 33613829, 33613833, 33651003, 33656104, 33661960  
33674035, 33792011



# Amazon RDS per Oracle Database 19c (19.0.0.0)

Amazon RDS per Oracle Database 19c (19.0.0.0) integra correzioni di bug da Oracle tramite Aggiornamenti dei rilasci (RU). Il formato di denominazione per un RU è il seguente: *release*.*ru-date*.*ru**r-date*.*rnumber*. Ad esempio, viene denominato l'aggiornamento Oracle Database 19c rilasciato da Oracle Corporation nell'aprile 2023. 19.0.0.0.ru-2023-04.ru-2023-04.r1 Il formato di denominazione ha i seguenti componenti:

- *release* È il numero a cinque cifre della versione, ad esempio, 19.0.0.0
- *date* È l'anno a quattro cifre e il mese a due cifre in cui l'aggiornamento è stato reso disponibile da Oracle, ad esempio, 2023-04
- La *rnumber* è la revisione, ad esempio, r1

Un aggiornamento a un RU è chiamato aggiornamento della versione secondaria. Anche se la stringa *ru**r* appare nel nome della patch, si tratta di una RU anziché di una Release Update Revision (RUR). Amazon RDS esegue l'upgrade da un RU a un altro RU. RDS non supporta RUR come parte del meccanismo di aggiornamento delle versioni secondarie. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

Per determinare quali RU vengono applicate ad Amazon RDS for Oracle Database 19c (19.0.0.0), consulta la tabella seguente.

Data	Aggiornamento di rilascio (RU)
2024 aprile	<a href="#">19.0.0.0.ru-2024-04.ru-2024-04.r1</a>
2024 gennaio	<a href="#">19.0.0.0.ru-2024-01.ru-2024-01.r1</a>
Ottobre 2023	<a href="#">19.0.0.0.ru-2023-10.ru-2023-10.r1</a>
Luglio 2023	<a href="#">19.0.0.0.ru-2023-07.ru-2023-07.r1</a>
2023 aprile	<a href="#">19.0.0.0.ru-2023-04.ru-2023-04.r1</a>
2023 gennaio	<a href="#">19.0.0.0.ru-2023-01.ru-2023-01.r2</a> e <a href="#">19.0.0.0.ru-2023-01.ru-2023-01.r1</a>

Data	Aggiornamento di rilascio (RU)
Ottobre 2022	<a href="#">19.0.0.0.ru-2022-10.rur-2022-10.r1</a>
Luglio 2022	<a href="#">19.0.0.0.ru-2022-07.rur-2022-07.r1</a>
2022 aprile	<a href="#">19.0.0.0.ru-2022-04.rur-2022-04.r1</a>
Gennaio 2022	<a href="#">19.0.0.0.ru-2022-01.rur-2022-01.r1</a>
Ottobre 2021	<a href="#">19.0.0.0.ru-2021-10.rur-2021-10.r1</a>
Luglio 2021	<a href="#">19.0.0.0.ru-2021-07.rur-2021-07.r1</a>
Aprile 2021	<a href="#">19.0.0.0.ru-2021-04.rur-2021-04.r1</a>
Gennaio 2021	<a href="#">19.0.0.0.ru-2021-01.rur-2021-01.r2</a> e <a href="#">19.0.0.0.ru-2021-01.rur-2021-01.r1</a>
Ottobre 2020	<a href="#">19.0.0.0.ru-2020-10.rur-2020-10.r1</a>
Luglio 2020	<a href="#">19.0.0.0.ru-2020-07.rur-2020-07.r1</a>
Aprile 2020	<a href="#">19.0.0.0.ru-2020-04.rur-2020-04.r1</a>
Gennaio 2020	<a href="#">19.0.0.0.ru-2020-01.rur-2020-01.r1</a>
Ottobre 2019	<a href="#">19.0.0.0.ru-2019-10.rur-2019-10.r1</a>
Luglio 2019	<a href="#">19.0.0.0.ru-2019-07.rur-2019-07.r1</a>

## Versione 19.0.0.0.ru-2024-04.rur-2024-04.r1

La versione 19.0.0.0.ru-2024-04.rur-2024-04.r1 include quanto segue:

- PATCH [36260537: AGGIORNAMENTO DSTV43 - TZDATA2024A - È NECESSARIA LA CORREZIONE DI OJVM](#)
- Patch [33.125.873: MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE](#)

- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [36199232](#): [AGGIORNAMENTO DEL RILASCIO DI OJVM: 19.23.0.0.240416](#) (36199232)
- Patch [36233263](#): Aggiornamento del rilascio del database: 19.23.0.0.240416 (36233263)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)

Patch combinate per la versione 19.0.0.0.ru-2024-04.rur-2024-04.r1, rilasciata ad aprile 2024

Bug corretti:

1297945, 7391838, 8460502, 8476681, 9002767, 10121473, 10123661  
 12565410, 12949919, 14112098, 14570574, 14735102, 15897884, 15931756  
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## Versione 19.0.0.0.ru-2024-01.rur-2024-01.r1

La versione 19.0.0.0.ru-2024-01.rur-2024-01.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch 35926646: AGGIORNAMENTO DEL [RILASCIO DI OJVM: 19.22.0.0.240116 \(35926646\)](#)
- Patch [35943157](#): Aggiornamento del rilascio del database: 19.22.0.0.240116 (35943157)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)

Patch combinate per la versione 19.0.0.0.ru-2024-01.rur-2024-01.r1, rilasciata a gennaio 2024

Bug corretti:

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## Versione 19.0.0.0.ru-2023-10.rur-2023-10.r1

La versione 19.0.0.0.ru-2023-10.rur-2023-10.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [35.648.110](#): OJVM RELEASE UPDATE: 19,21.0.0.231017 (35.648.110)
- Patch [35.643.107](#): Database Release Update : 19,21.0.0.231017 (35.643.107)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)
- PreUpgrade Jar: preupgrade\_19\_cbuild\_13\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2023-10.rur-2023-10.r1, rilasciate a ottobre 2023

Bug corretti:

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## Versione 19.0.0.0.ru-2023-07.rur-2023-07.r1

La versione 19.0.0.0.ru-2023-07.rur-2023-07.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [35.354.406](#): OJVM RELEASE UPDATE: 19,20.0.0.230718 (35.354.406)
- Patch [35.320.081](#): DATABASE RELEASE UPDATE: 19,20.0.0.230718 (35.320.081)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_13\_lf.zip

## Patch combinate per la versione 19.0.0.0.ru-2023-07.rur-2023-07.r1, rilasciata luglio 2023

Bug corretti:

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## Version 19.0.0.0.ru-2023-04.rur-2023-04.r1

La versione 19.0.0.0.ru-2023-04.rur-2023-04.r1 include quanto segue:

- Patch [35.239.280](#): DSTV42 UPDATE - TZDATA2023C - NEED OJVM FIX
- Patch [35.220.732](#): RDBMS - DSTV42 UPDATE - TZDATA2023C
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [35.050.341](#): OJVM RELEASE UPDATE: 19,19.0.0.230418 (35.050.341)
- Patch [35.042.068](#): Database Release Update : 19,19.0.0.230418 (35.042.068)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_13\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2023-04.rur-2023-04.r1, rilasciata aprile 2023

Bug corretti:

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## Versione 19.0.0.0.ru-2023-01.rur-2023-01.r2

La versione 19.0.0.0.ru-2023-01.rur-2023-01.r2 include quanto segue:

- Patch [35.099.674](#): DSTV41 UPDATE - TZDATA2022G - NEED OJVM FIX
- Patch [35.099.667](#): RDBMS - DSTV41 UPDATE - TZDATA2022G
- Patch [35.012.866](#): BUG\_33527739\_APPLY.SQL GOT ORA-13516 AWR OPERATION FAILED CATPROC NOT VALID
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [34.786.990](#): OJVM RELEASE UPDATE: 19,18.0.0.230117 (34.786.990)
- Patch [34.765.931](#): DATABASE RELEASE UPDATE : 19,18.0.0.0 (REL-JAN230131) (34.765.931)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)
- PreUpgrade Barattolo: preupgrade\_19\_cbuid\_13\_lf.zip



## Patch combinate per la versione 19.0.0.0.ru-2023-01.rur-2023-01.r2, rilasciata a gennaio 2023

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## Versione 19.0.0.0.ru-2023-01.rur-2023-01.r1

La versione 19.0.0.0.ru-2023-01.rur-2023-01.r1 include quanto segue:

- Patch [34.699.616](#): DSTV40 UPDATE - TZDATA2022E - NEED OJVM FIX
- Patch [35.012.866](#): BUG\_33527739\_APPLY.SQL GOT ORA-13516 AWR OPERATION FAILED CATPROC NOT VALID
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE



- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [34.786.990](#): OJVM RELEASE UPDATE: 19,18.0.0.230117 (34.786.990)
- Patch [34.765.931](#): DATABASE RELEASE UPDATE : 19,18.0.0.0 (REL-JAN230131) (34.765.931)
- Patch [29.585.399](#): OCW RELEASE UPDATE 19,3.0.0.0 (29.585.399)
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_13\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2023-01.rur-2023-01.r1, rilasciata a gennaio 2023

Bug corretti:

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## Versione 19.0.0.0.ru-2022-10.rur-2022-10.r1

La versione 19.0.0.0.ru-2022-10.rur-2022-10.r1 include quanto segue:

- Patch [34.419.443](#): DATABASE RELEASE UPDATE 19,17.0.0.0
- Patch [34.411.846](#): OJVM RELEASE UPDATE 19,17.0.0.0
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [34.446.152](#): ORA-16705: INTERNAL ERROR IN DATA GUARD BROKER AFTER RU 19,16
- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.533.150](#): DSTV39 UPDATE - TZDATA2022C - NEED OJVM FIX
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_13\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2022-10.rur-2022-10.r1, rilasciata a ottobre 2022

Bug corretti:

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## Versione 19.0.0.0.ru-2022-07.rur-2022-07.r1

La versione 19.0.0.0.ru-2022-07.rur-2022-07.r1 include quanto segue:

- Patch [34.133.642](#): DATABASE RELEASE UPDATE 19,16.0.0.0
- Patch [34.086.870](#): OJVM RELEASE UPDATE 19,16.0.0.0

- Patch [34.533.061](#): RDBMS - DSTV39 UPDATE - TZDATA2022C
- Patch [34.533.150](#): DSTV39 UPDATE - TZDATA2022C - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [34.476.155](#): INTERMITTENT DURATION NOT ACTIVE ISSUE WITH SDO FUNCTIONS
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_13\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2022-07.rur-2022-07.r1, rilasciata luglio 2022

Bug corretti:

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## Versione 19.0.0.0.ru-2022-04.rur-2022-04.r1

La versione 19.0.0.0.ru-2022-04.rur-2022-04.r1 include quanto segue:

- Patch [33.806.152](#): DATABASE RELEASE UPDATE 19,15.0.0.0
- Patch [33.808.367](#): OJVM RELEASE UPDATE 19,15.0.0.0
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [34.006.650](#): DSTV38 UPDATE - TZDATA2022A - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [33.125.873](#): MAKE CACHE GLOBAL OBJECT INVALIDATION CIC NON-SERIALIZE FOR BETTER PERFORMANCE
- Patch [33.121.934](#): IAD:E23POD LIBRARY CACHE LOCK / LOAD LOCK / MUTEX X DURING CONNECTION STORM
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_13\_lf.zip

## Patch combinate per la versione 19.0.0.0.ru-2022-04.rur-2022-04.r1, rilasciata aprile 2022

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## Versione 19.0.0.0.ru-2022-01.rur-2022-01.r1

La versione 19.0.0.0.ru-2022-01.rur-2022-01.r1 include quanto segue:

- Patch [33.515.361](#): DATABASE RELEASE UPDATE 19,14.0.0.0
- Patch [33.561.310](#): OJVM RELEASE UPDATE 19,14.0.0.0
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [33.613.833](#): DSTV37 UPDATE - TZDATA2021E - NEED OJVM FIX
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_12\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2022-01.rur-2022-01.r1, rilasciate a gennaio 2022

Bug corretti:

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## Versione 19.0.0.0.ru-2021-10.rur-2021-10.r1

La versione 19.0.0.0.ru-2021-10.rur-2021-10.r1 include quanto segue:

- Patch [33.192.793](#): DATABASE RELEASE UPDATE 19.13.0.0.0
- Patch [33.192.694](#): OJVM RELEASE UPDATE 19.13.0.0.0
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_12\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2021-10.rur-2021-10.r1, rilasciate a ottobre 2021

Bug corretti:

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## Versione 19.0.0.0.ru-2021-07.rur-2021-07.r1

La versione 19.0.0.0.ru-2021-07.rur-2021-07.r1 include quanto segue:

- Patch [32.904.851](#): DATABASE RELEASE UPDATE 19,12.0.0.0
- Patch [32.876.380](#): OJVM RELEASE UPDATE 19,12.0.0.0
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE

- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_10\_lf.zip

## Patch combinate per la versione 19.0.0.0.ru-2021-07.rur-2021-07.r1, rilasciata a luglio 2021

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## Versione 19.0.0.0.ru-2021-04.rur-2021-04.r1

La versione 19.0.0.0.ru-2021-04.rur-2021-04.r1 include quanto segue:

- Patch [32.545.013](#): DATABASE RELEASE UPDATE 19,11.0.0.0

- Patch [32.399.816](#): OJVM RELEASE UPDATE 19,11.0.0.0
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_10\_lf.zip

Patch combinate per la versione 19.0.0.0.ru-2021-04.rur-2021-04.r1, rilasciata aprile 2021

Bug corretti:

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## Versione 19.0.0.0.ru-2021-01.rur-2021-01.r2

### Important

Si consiglia di aggiornare l'istanza database a questa versione anziché a 19.0.0.0.ru-2021-01.rur-2021-01.r1. L'applicazione della patch per gli aggiornamenti del motore secondario a 19.0.0.0.ru-2021-01.rur-2021-01.r1 ha riscontrato un problema. L'aggiornamento della versione 19.10.0.0.210119 (32218454) non è stato registrato correttamente nella tabella DBA\_REGISTRY\_SQLPATCH.

La versione 19.0.0.0.ru-2021-01.rur-2021-01.r2 include quanto segue:

- Patch [32.218.454](#): DATABASE RELEASE UPDATE 19,10.0.0.210119
- Patch [32.067.171](#): OJVM RELEASE UPDATE 19,10.0.0.210119
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [29.782.284](#): ORA-06508:"MDSYS.MDPRVT\_IDX" WHILE UPGRADING DATABASE TO 18,3
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.374.604](#): IE not starting against 18c Oracle RDBMS Standard Edition
- PreUpgrade Barattolo: preupgrade\_19\_cbuid\_9\_lf.zip
- Supporto per la gestione delle attività di advisor utilizzando le procedure nel pacchetto rdsadmin.rdsadmin\_util

Per ulteriori informazioni, consulta [Gestione delle attività advisor](#) nella Guida per l'utente di Amazon RDS.



## Patch combinate per la versione 19.0.0.0.ru-2021-01.rur-2021-01.r2, rilasciate a gennaio 2021

### Bug corretti:

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## Versione 19.0.0.0.ru-2021-01.rur-2021-01.r1

### Important

Si consiglia di aggiornare l'istanza database a 19.0.0.0.ru-2021-01.rur-2021-01.r2 anziché a 19.0.0.0.ru-2021-01.rur-2021-01.r1. L'applicazione della patch per gli aggiornamenti del motore secondario a 19.0.0.0.ru-2021-01.rur-2021-01.r1 ha riscontrato un problema. L'aggiornamento della versione 19.10.0.0.210119 (32218454) non è stato registrato correttamente nella tabella DBA\_REGISTRY\_SQLPATCH.

La versione 19.0.0.0.ru-2021-01.rur-2021-01.r1 include quanto segue:

- Patch [32.218.454](#): DATABASE RELEASE UPDATE 19,10.0.0.210119
- Patch [32.067.171](#): OJVM RELEASE UPDATE 19,10.0.0.210119
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [29.782.284](#): ORA-06508:"MDSYS.MDPRVT\_IDX" WHILE UPGRADING DATABASE TO 18,3
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.374.604](#): IE not starting against 18c Oracle RDBMS Standard Edition
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_9\_lf.zip
- Supporto per la gestione delle attività di advisor utilizzando le procedure nel pacchetto rdsadmin.rdsadmin\_util

Per ulteriori informazioni, consulta [Gestione delle attività advisor](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 19.0.0.0.ru-2021-01.rur-2021-01.r1, rilasciate a gennaio 2021

### Bug corretti:

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## Versione 19.0.0.0.ru-2020-10.rur-2020-10.r1

La versione 19.0.0.0.ru-2020-10.rur-2020-10.r1 include quanto segue:

- Patch [31.771.877](#): Database Release Update: 19,9.0.0.201020 (31.771.877)
- Patch [31.668.882](#): OJVM RELEASE UPDATE: 19,9.0.0.201020 (31.668.882)
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [29.374.604](#): IE not starting against 18c Oracle RDBMS Standard Edition.
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_8\_if.zip
- Supporto per l'impostazione e l'annullamento dell'impostazione degli eventi di diagnostica del sistema utilizzando le procedure incluse nel pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Impostazione e annullamento dell'impostazione degli eventi di diagnostica del sistema](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la procedura `rdsadmin_util.truncate_apply$_cdr_info` descritta in [Impostazione e annullamento dell'impostazione degli eventi di diagnostica di sistema](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 19.0.0.0.ru-2020-10.rur-2020-10.r1, rilasciate a ottobre 2020

Bug corretti:

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## Versione 19.0.0.0.ru-2020-07.rur-2020-07.r1

La versione 19.0.0.0.ru-2020-07.rur-2020-07.r1 include quanto segue:

- Patch [31.281.355](#): Database Release Update 19,8.0.0.200714
- Patch [31.219.897](#): Oracle JVM Release Update 19,8.0.0.200714
- Patch [31.335.037](#): DSTV35 for RDBMS (TZDATA2020A)
- Patch [31.335.142](#): DSTV35 for OJVM (TZDATA2020A)

- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [29.374.604](#): IE not starting against 18c Oracle RDBMS Standard Edition
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_7\_lf.zip
- Patch [30.417.732](#): ORA-00600 [KQRHASHTABLEREMOVE: X LOCK] AND INSTANCE CRASH

Patch combinate per la versione 19.0.0.0.ru-2020-07.rur-2020-07.r1, rilasciata luglio 2020

Bug corretti:

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## Versione 19.0.0.0.ru-2020-04.rur-2020-04.r1

La versione 19.0.0.0.ru-2020-04.rur-2020-04.r1 include quanto segue:

- Patch [30.869.156](#): Database Release Update 19,7.0.0.200414
- Patch [30.805.684](#): Oracle JVM Release Update 19,7.0.0.200414
- Patch [29.997.937](#): DSTv34 UPDATE for RDBMS (TZDATA2019B)
- Patch [29.997.959](#): DSTV34 UPDATE for OJVM (TZDATA2019B)
- PreUpgrade Barattolo: preupgrade\_19\_cbuid\_5\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [30.528.704](#): 19C RMAN RECOVER DATABASE USE REDO LOG INSTEAD OF ARCHIVELOG AFTER APPLYING OCT DATABASE RU
- Supporto l'eliminazione del cestino

Per ulteriori informazioni, consulta [Eliminare il cestino](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la generazione di report sulle prestazioni con AWR (Automatic Workload Repository) utilizzando il pacchetto `rdsadmin.rdsadmin_diagnostic_util`

Per ulteriori informazioni, consulta la sezione relativa alla [Generazione di report sulle prestazioni con AWR \(Automatic Workload Repository\)](#) nella Guida per l'utente di Amazon RDS.

### Patch combinate per la versione 19.0.0.0.ru-2020-04.rur-2020-04.r1, rilasciata aprile 2020

Bug corretti:

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## Versione 19.0.0.0.ru-2020-01.rur-2020-01.r1

La versione 19.0.0.0.ru-2020-01.rur-2020-01.r1 include quanto segue:

- Patch [30.557.433](#): Database Release Update: 19,6.0.0.200114
- Patch [30.484.981](#): OJVM RELEASE UPDATE: 19,6.0.0.200114

- Patch [29.997.937](#): DSTv34 UPDATE for RDBMS (TZDATA2019B)
- Patch [29.997.959](#): DSTV34 UPDATE for OJVM (TZDATA2019B)
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_5\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [30.528.704](#): 19C RMAN RECOVER DATABASE USE REDO LOG INSTEAD OF ARCHIVELOG AFTER APPLYING OCT DATABASE RU

## Aggiornamento della versione 19.6.0.0.200114 di Oracle, rilasciato a gennaio 2020

### Bug corretti:

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## Versione 19.0.0.0.ru-2019-10.rur-2019-10.r1

La versione 19.0.0.0.ru-2019-10.rur-2019-10.r1 include quanto segue:

- Patch [30.125.133](#): DATABASE RELEASE UPDATE 19.5.0.0.0
- Patch [30.128.191](#): OJVM RELEASE UPDATE 19.5.0.0.0
- Patch [29.997.937](#): DSTv34 UPDATE for RDBMS (TZDATA2019B)
- Patch [29.997.959](#): DSTV34 UPDATE for OJVM (TZDATA2019B)
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_4\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [30.528.704](#): 19C RMAN RECOVER DATABASE USE REDO LOG INSTEAD OF ARCHIVELOG AFTER APPLYING OCT DATABASE RU
- Supporto per il ridimensionamento dello spazio tabella temporaneo nella replica di lettura

Per ulteriori informazioni consulta [Ridimensionamento della tablespace temporanea in una replica di lettura](#) nella Guida per l'utente di Amazon RDS.

## Aggiornamento della versione 19.5.0.0.0 di Oracle, rilasciato a ottobre 2019

Bug corretti:

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## Versione 19.0.0.0.ru-2019-07.rur-2019-07.r1

La versione 19.0.0.0.ru-2019-07.rur-2019-07.r1 include quanto segue:

- Patch [29.834.717](#): Database Release Update: 19,4.0.0.190716
- Patch [29.774.421](#): OJVM RELEASE UPDATE: 19,4.0.0.190716
- Patch [28.852.325](#): RDBMS - DSTV33 UPDATE - TZDATA2018G
- Patch [28.852.334](#): DSTV33 UPDATE - TZDATA2018G - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- PreUpgrade Barattolo: preupgrade\_19\_cbuild\_4\_lf.zip

## Aggiornamento della versione 19.4.0.0.190716 di Oracle, rilasciato a luglio 2019

Bug corretti:

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# Amazon RDS per Oracle Database 18c (18.0.0.0)

Amazon RDS per Oracle Database 18c (18.0.0.0) integra correzioni di bug da Oracle tramite Aggiornamenti dei rilasci (RU). Il formato di denominazione per un RU è il seguente: `release.ru-date.rur-date.rnumber`. La versione è il numero a cinque cifre, ad esempio 18.0.0.0. La data indica l'anno e il mese in cui l'aggiornamento è stato reso disponibile da Oracle. Il numero è la revisione. L'aggiornamento Oracle Database 18c rilasciato da Oracle nell'aprile 2021 è denominato `18.0.0.0.ru-2021-04.rur-2021-04.r1`.

Un aggiornamento a un RU è chiamato aggiornamento della versione secondaria. Anche se la stringa "rur" appare nel nome della patch, si tratta di una RU anziché di una RUR. Amazon RDS esegue l'upgrade da un RU a un altro RU. RDS non supporta RUR come parte del meccanismo di aggiornamento delle versioni secondarie. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

## Note

Oracle Database 18c (18.0.0.0) non è più supportato. Queste informazioni sono utili solo se si desidera aggiornare uno snapshot Oracle Database 18c.

Per scoprire quali RU vengono applicati ad Amazon RDS per Oracle Database 18c (18.0.0.0), consulta la tabella seguente.

Data	RU
Aprile 2021	<a href="#">18.0.0.0.ru-2021-04.rur-2021-04.r1</a>
Gennaio 2021	<a href="#">18.0.0.0.ru-2021-01.rur-2021-01.r1</a>
Ottobre 2020	<a href="#">18.0.0.0.ru-2020-10.rur-2020-10.r1</a>
Luglio 2020	<a href="#">18.0.0.0.ru-2020-07.rur-2020-07.r1</a>
Aprile 2020	<a href="#">18.0.0.0.ru-2020-04.rur-2020-04.r1</a>
Gennaio 2020	<a href="#">18.0.0.0.ru-2020-01.rur-2020-01.r1</a>
Ottobre 2019	<a href="#">18.0.0.0.ru-2019-10.rur-2019-10.r1</a>

Data	RU
Luglio 2019	<a href="#">18.0.0.0.ru-2019-07.rur-2019-07.r1</a>

## Versione 18.0.0.0.ru-2021-04.rur-2021-04.r1

La versione 18.0.0.0.ru-2021-04.rur-2021-04.r1 include quanto segue:

- Patch [32.524.155](#): DATABASE RELEASE UPDATE 18,14.0.0.0
- Patch [32.552.752](#): OJVM RELEASE UPDATE 18,14.0.0.0
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [27.539.475](#): ORA-3816 - MISSING MESSAGE INFORMATION FOR 3.816 ERROR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [29.374.604](#): Golden Gate Integrated Extract not starting 18c/19c Standard Edition
- Patch [26.352.615](#): SPILLOVER AUDIT FILES CANNOT BE FOUND ORA-46372
- PreUpgrade Jar: preupgrade\_181\_cbuild\_10\_if.zip

Patch combinate per la versione 18.0.0.0.ru-2021-04.rur-2021-04.r1, rilasciata aprile 2021

Bug corretti:

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## Versione 18.0.0.0.ru-2021-01.rur-2021-01.r1

La versione 18.0.0.0.ru-2021-01.rur-2021-01.r1 include quanto segue:

- Patch [32.204.699](#): DATABASE RELEASE UPDATE 18,13.0.0.210119
- Patch [32.119.939](#): OJVM RELEASE UPDATE 18,13.0.0.210119
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [27.539.475](#): ORA-3816 - MISSING MESSAGE INFORMATION FOR 3.816 ERROR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER TABLE
- Patch [29.374.604](#): Golden Gate Integrated Extract not starting 18c/19c Standard Edition

- Patch [29.782.284](#): ORA-06508:"MDSYS.MDPRVT\_IDX" WHILE UPGRADING DATABASE TO 18,3
- PreUpgrade Jar: preupgrade\_181\_cbuild\_10\_lf.zip
- Java Cryptography Extension (JCE): file di criteri di giurisdizione illimitati per JVM versione 8
- Supporto per l'impostazione dei parametri per le attività di consulenza utilizzando le procedure del pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Impostazione dei parametri per le attività advisor](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 18.0.0.0.ru-2021-01.rur-2021-01.r1, rilasciate a gennaio 2021

Bug corretti:

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## Versione 18.0.0.0.ru-2020-10.rur-2020-10.r1

La versione 18.0.0.0.ru-2020-10.rur-2020-10.r1 include quanto segue:

- Patch [31.730.250](#): Database Release Update: 18,12.0.0.201020 (31.730.250)
- Patch [31.668.892](#): OJVM RELEASE UPDATE: 18,12.0.0.201020 (31.668.892)
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [29.374.604](#): IE not starting against 18c Oracle RDBMS Standard Edition.
- PreUpgrade Jar: preupgrade\_181\_cbuild\_10\_lf.zip
- Supporto per l'impostazione e l'annullamento dell'impostazione degli eventi di diagnostica del sistema utilizzando le procedure incluse nel pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Impostazione e annullamento dell'impostazione degli eventi di diagnostica del sistema](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la procedura `rdsadmin_util.truncate_apply$_cdr_info` descritta in [Integrated REPLICAT lenta a causa di una query su sys."\\_DBA\\_APPLY\\_CDR\\_INFO"](#) nella Guida per l'utente di Amazon RDS.

Patch combinate per la versione 18.0.0.0.ru-2020-10.rur-2020-10.r1, rilasciate a ottobre 2020

Bug corretti:

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## Versione 18.0.0.0.ru-2020-07.rur-2020-07.r1

La versione 18.0.0.0.ru-2020-07.rur-2020-07.r1 include quanto segue:

- Patch [31.308.624](#): Database Release Update 18,11.0.0.200714
- Patch [31.219.909](#): OJVM RELEASE UPDATE: 18,11.0.0.200714
- Patch [31.335.037](#): DSTV35 for RDBMS (TZDATA2020A)
- Patch [31.335.142](#): DSTV35 for OJVM (TZDATA2020A)
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [29.374.604](#): IE not starting against 18c Oracle RDBMS Standard Edition
- PreUpgrade Jar: preupgrade\_181\_cbuild\_10\_if.zip

Patch combinate per la versione 18.0.0.0.ru-2020-07.rur-2020-07.r1, rilasciata luglio 2020

Bug corretti:

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## Versione 18.0.0.0.ru-2020-04.rur-2020-04.r1

La versione 18.0.0.0.ru-2020-04.rur-2020-04.r1 include quanto segue:

- Patch [30.872.794](#): Database Release Update 18,10.0.0.200414
- Patch [30.805.598](#): Oracle JVM Release Update 18,10.0.0.200414
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019B)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- PreUpgrade Jar: preupgrade\_181\_cbuild\_9\_if.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR is included in DB PATCH 30.138.470
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Supporto l'eliminazione del cestino

Per ulteriori informazioni, consulta [Eliminare il cestino](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la generazione di report sulle prestazioni con AWR (Automatic Workload Repository) utilizzando il pacchetto `rdsadmin.rdsadmin_diagnostic_util`

Per ulteriori informazioni, consulta la sezione relativa alla [Generazione di report sulle prestazioni con AWR \(Automatic Workload Repository\)](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 18.0.0.0.ru-2020-04.rur-2020-04.r1, rilasciata aprile 2020

Bug corretti:

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## Versione 18.0.0.0.ru-2020-01.rur-2020-01.r1

La versione 18.0.0.0.ru-2020-01.rur-2020-01.r1 include quanto segue:

- Patch [30.480.385](#): Database Release Update: 18,9.0.0.200114
- Patch [30.501.926](#): OJVM RELEASE UPDATE: 18,9.0.0.200114
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019B)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)

- PreUpgrade Jar: [preupgrade\\_181\\_cbuild\\_9\\_if.zip](#)
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR is included in DB PATCH 30.138.470
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE

## Aggiornamento della versione 18.9.0.0.200114 di Oracle, rilasciato a gennaio 2020

### Bug corretti:

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## Versione 18.0.0.0.ru-2019-10.rur-2019-10.r1

La versione 18.0.0.0.ru-2019-10.rur-2019-10.r1 include quanto segue:

- Patch [30.112.122](#): DATABASE OCT 2.019 RELEASE UPDATE 18,8.0.0.191015
- Patch [30.133.625](#): OJVM RELEASE UPDATE 12,2.0.1.191015
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- PreUpgrade Jar: preupgrade\_181\_cbuild\_8\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR is included in DB PATCH 30.138.470
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE

- Supporto per il ridimensionamento dello spazio tabella temporaneo nella replica di lettura

Per ulteriori informazioni consulta [Ridimensionamento della tablespace temporanea in una replica di lettura](#) nella Guida per l'utente di Amazon RDS.

## Aggiornamento della versione 18.8.0.0.0 di Oracle, rilasciato a ottobre 2019

### Bug corretti:

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## Versione 18.0.0.0.ru-2019-07.rur-2019-07.r1

La versione 18.0.0.0.ru-2019-07.rur-2019-07.r1 include quanto segue:

- Patch [29.757.256](#): Database Release Update: 18,7.0.0.190716
- Patch [29.774.410](#): OJVM RELEASE UPDATE: 18.7.0.0.190716
- Patch [27.539.475](#): "ORA-3816 - MISSING MESSAGE INFORMATION FOR 3.816 ERROR."
- Patch [29.213.893](#): "DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE"
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [28.852.325](#): DSTv33 for RDBMS (TZDATA2018G)
- Patch [28.852.334](#): DSTv33 for OJVM (TZDATA2018G)
- PreUpgrade Jar: preupgrade\_181\_cbuild\_7\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Aggiornamento della versione 18.7.0.0.190716 di Oracle, rilasciato a luglio 2019

Bug corretti:

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## Amazon RDS per Oracle Database 12c Release 2 (12.1.0.2)

Per Oracle Database 12c Release 2 (12.2.0.1), Oracle ha modificato il modo in cui rilascia gli aggiornamenti di Oracle Database. Invece di Patch Set Updates (PSU), Oracle offre Release Updates (RU) e Release Updates Revisions (RUR). RU contiene miglioramenti, funzionalità aggiuntive e correzioni per la protezione. RUR contiene soltanto correzioni per la protezione dei due cicli di patch del trimestre precedenti. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

A partire da Oracle Database 12c Release 2 (12.2.0.1), Amazon RDS rende disponibili nuove RU ogni trimestre. Il formato di denominazione per una RU è il seguente: release.ru-date.rur-date.rnumber. La release è il numero a cinque cifre della release, ad esempio 12.2.0.1. La data indica l'anno e il mese in cui l'aggiornamento è stato reso disponibile da Oracle. Il numero è la revisione. L'aggiornamento Oracle Database 12c rilasciato da Oracle nell'aprile 2022 è denominato 12.2.0.1.ru-2022-04.rur-2022-04.r1.

Un aggiornamento a una RU è chiamato aggiornamento della versione secondaria. Anche se la stringa "rur" appare nel nome della patch, si tratta di una RU anziché di una RUR. Amazon RDS esegue l'upgrade da una RU a un'altra RU. RDS non supporta le RUR come parte del meccanismo di aggiornamento delle versioni secondarie. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

Per ulteriori informazioni sul nuovo sistema di controllo delle versioni del database Oracle, consulta i post [Differenze tra PSU/BP e RU/RUR](#) sul blog Upgrade your Database – NOW! e [Patch RU e RUR per Oracle 12.2](#) sul blog di assistenza di Oracle.

### Note

RDS per Oracle Database 12c non è più supportato. Queste informazioni sono utili solo se si desidera aggiornare uno snapshot Oracle Database 12c.

Per scoprire quali RU vengono applicate ad Amazon RDS per Oracle Database 12c rilascio 2 (12.2.0.1), consulta la tabella seguente.

Data	RU
Gennaio 2022	<a href="#">12.2.0.1.ru-2022-01.rur-2022-01.r1</a>

Data	RU
Ottobre 2021	<a href="#">12.2.0.1.ru-2021-10.rur-2021-10.r1</a>
Luglio 2021	<a href="#">12.2.0.1.ru-2021-07.rur-2021-07.r1</a>
Aprile 2021	<a href="#">12.2.0.1.ru-2021-04.rur-2021-04.r1</a>
Gennaio 2021	<a href="#">12.2.0.1.ru-2021-01.rur-2021-01.r1</a>
Ottobre 2020	<a href="#">12.2.0.1.ru-2020-10.rur-2020-10.r1</a>
Luglio 2020	<a href="#">12.2.0.1.ru-2020-07.rur-2020-07.r1</a>
Aprile 2020	<a href="#">12.2.0.1.ru-2020-04.rur-2020-04.r1</a>
Gennaio 2020	<a href="#">12.2.0.1.ru-2020-01.rur-2020-01.r1</a>
Ottobre 2019	<a href="#">12.2.0.1.ru-2019-10.rur-2019-10.r1</a>
Luglio 2019	<a href="#">12.2.0.1.ru-2019-07.rur-2019-07.r1</a>
Aprile 2019	<a href="#">12.2.0.1.ru-2019-04.rur-2019-04.r1</a>
Gennaio 2019	<a href="#">12.2.0.1.ru-2019-01.rur-2019-01.r1</a>
Ottobre 2018	<a href="#">12.2.0.1.ru-2018-10.rur-2018-10.r1</a>

## Versione 12.2.0.1.ru-2022-01.rur-2022-01.r1

La versione 12.2.0.1.ru-2022-01.rur-2022-01.r1 include quanto segue:

- Patch [33.587.128](#): DATABASE JAN 2.022 RELEASE UPDATE 12.2.0.1.220118
- Patch [33.561.275](#): OJVM RELEASE UPDATE 12.2.0.1.220118
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2021E
- Patch [34.699.616](#): DSTV40 UPDATE - TZDATA2022E - NEED OJVM FIX
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR



- Patch [26.352.615](#): SPILLOVER AUDIT FILES CANNOT BE FOUND ORA-46372
- Jar di pre-aggiornamento: preupgrade\_12201\_cbuild\_24\_lf.zip

Patch combinate per la versione 12.2.0.1.ru-2022-01.rur-2022-01.r1, rilasciate a gennaio 2022

Bug corretti:

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## Versione 12.2.0.1.ru-2021-10.rur-2021-10.r1

La versione 12.2.0.1.ru-2021-10.rur-2021-10.r1 include quanto segue:

- Patch [33.261.817](#): DATABASE OCT 2.021 RELEASE UPDATE 12,2.0.1.211019
- Patch [33.192.662](#): OJVM RELEASE UPDATE 12,2.0.1.211019
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [26.352.615](#): SPILLOVER AUDIT FILES CANNOT BE FOUND ORA-46372
- Jar di pre-aggiornamento: preupgrade\_12201\_cbuid\_24\_if.zip



## Patch combinate per la versione 12.2.0.1.ru-2021-10.rur-2021-10.r1, rilasciate a ottobre 2021

### Bug corretti:

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## Versione 12.2.0.1.ru-2021-07.rur-2021-07.r1

La versione 12.2.0.1.ru-2021-07.rur-2021-07.r1 include quanto segue:

- Patch [32.916.808](#): DATABASE JUL 2.021 RELEASE UPDATE 12,2.0.1.210720
- Patch [32.876.409](#): OJVM RELEASE UPDATE 12,2.0.1.210720
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [26.352.615](#): SPILLOVER AUDIT FILES CANNOT BE FOUND ORA-46372
- Jar di pre-aggiornamento: preupgrade\_12201\_cbuid\_24\_lf.zip

Patch combinate per la versione 12.2.0.1.ru-2021-07.rur-2021-07.r1, rilasciata a luglio 2021

Bug corretti:

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## Versione 12.2.0.1.ru-2021-04.rur-2021-04.r1

La versione 12.2.0.1.ru-2021-04.rur-2021-04.r1 include quanto segue:

- Patch [32.507.738](#): DATABASE APR 2.021 RELEASE UPDATE 12,2.0.1.210420
- Patch [32.473.172](#): OJVM RELEASE UPDATE 12,2.0.1.210420
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [26.352.615](#): SPILLOVER AUDIT FILES CANNOT BE FOUND ORA-46372
- Jar di pre-aggiornamento: preupgrade\_12201\_cbuild\_24\_lf.zip

Patch combinate per la versione 12.2.0.1.ru-2021-04.rur-2021-04.r1, rilasciata aprile 2021

Bug corretti:

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## Versione 12.2.0.1.ru-2021-01.rur-2021-01.r1

La versione 12.2.0.1.ru-2021-01.rur-2021-01.r1 include quanto segue:

- Patch [32.228.578](#): DATABASE JAN 2.021 RELEASE UPDATE 12,2.0.1.210119
- Patch [32.119.931](#): OJVM RELEASE UPDATE 12,2.0.1.210119
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_23\_lf.zip
- Java Cryptography Extension (JCE): file di criteri di giurisdizione illimitati per JVM versione 8

- Supporto per la gestione delle attività di advisor utilizzando le procedure nel pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Gestione delle attività advisor](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 12.2.0.1.ru-2021-01.rur-2021-01.r1, rilasciate a gennaio 2021

Bug corretti:

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## Versione 12.2.0.1.ru-2020-10.rur-2020-10.r1

La versione 12.2.0.1.ru-2020-10.rur-2020-10.r1 include quanto segue:

- Patch [31.741.641](#): Database Oct 2.020 Release Update : 12,2.0.1.201020 (31.741.641)
- Patch [31.668.898](#): OJVM RELEASE UPDATE 12,2.0.1.201020 (31.668.898)
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- PreUpgrade Jar: preupgrade\_12201\_cbuid\_23\_lf.zip
- Supporto per l'impostazione e l'annullamento dell'impostazione degli eventi di diagnostica del sistema utilizzando le procedure incluse nel pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Impostazione e annullamento dell'impostazione degli eventi di diagnostica del sistema](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la procedura `rdsadmin_util.truncate_apply$_cdr_info` descritta in [Integrated REPLICAT lenta a causa di una query su sys."\\_DBA\\_APPLY\\_CDR\\_INFO"](#) nella Guida per l'utente di Amazon RDS.

Patch combinate per la versione 12.2.0.1.ru-2020-10.rur-2020-10.r1, rilasciate a ottobre 2020

Bug corretti:

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## Versione 12.2.0.1.ru-2020-07.rur-2020-07.r1

La versione 12.2.0.1.ru-2020-07.rur-2020-07.r1 include quanto segue:

- Patch [31.312.468](#): Database Jul 2.020 Release Update 12,2.0.1.200714
- Patch [31.219.919](#): OJVM RELEASE UPDATE: 12,2.0.1.200714

- Patch [31.335.037](#): DSTV35 for RDBMS (TZDATA2020A)
- Patch [31.335.142](#): DSTV35 for OJVM (TZDATA2020A)
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_23\_lf.zip

Patch combinate per la versione 12.2.0.1.ru-2020-07.rur-2020-07.r1, rilasciata luglio 2020

Bug corretti:

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## Versione 12.2.0.1.ru-2020-04.rur-2020-04.r1

La versione 12.2.0.1.ru-2020-04.rur-2020-04.r1 include quanto segue:

- Patch [30.886.680](#): Database Apr 2.020 Release Update 12,2.0.1.200414
- Patch [30.805.580](#): Oracle JVM Release Update 12,2.0.1.200414

- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_23\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR is included in DB PATCH 30.138.470
- Supporto l'eliminazione del cestino

Per ulteriori informazioni, consulta [Eliminare il cestino](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la generazione di report sulle prestazioni con AWR (Automatic Workload Repository) utilizzando il pacchetto `rdsadmin.rdsadmin_diagnostic_util`

Per ulteriori informazioni, consulta la sezione relativa alla [Generazione di report sulle prestazioni con AWR \(Automatic Workload Repository\)](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 12.2.0.1.ru-2020-04.rur-2020-04.r1, rilasciata aprile 2020

### Bug corretti:

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## Versione 12.2.0.1.ru-2020-01.rur-2020-01.r1

La versione 12.2.0.1.ru-2020-01.rur-2020-01.r1 include quanto segue:

- Patch [30.593.149](#): Database Jan 2.020 Release Update: 12,2.0.1.200114
- Patch [30.502.018](#): OJVM RELEASE UPDATE 12,2.0.1.200114
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_23\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR is included in DB PATCH 30.138.470

## Aggiornamento della versione 12.2.0.1.200114 di Oracle, rilasciato a gennaio 2020

Bug corretti:

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## Versione 12.2.0.1.ru-2019-10.rur-2019-10.r1

La versione 12.2.0.1.ru-2019-10.rur-2019-10.r1 include quanto segue:

- Patch [30.138.470](#): DATABASE OCT 2.019 RELEASE UPDATE 12,2.0.1.191015
- Patch [30.133.625](#): OJVM RELEASE UPDATE 12,2.0.1.191015
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_23\_lf.zip
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR is included in DB PATCH 30.138.470
- Supporto per il ridimensionamento dello spazio tabella temporaneo nella replica di lettura

Per ulteriori informazioni consulta [Ridimensionamento della tablespace temporanea in una replica di lettura](#) nella Guida per l'utente di Amazon RDS.

## Aggiornamento della versione 12.2.0.1.191015 di Oracle, rilasciato a ottobre 2019

Bug corretti:

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## Version 12.2.0.1.ru-2019-07.rur-2019-07.r1

La versione 12.2.0.1.ru-2019-07.rur-2019-07.r1 include quanto segue:

- Patch [29.757.449](#): DATABASE JUL 2.019 RELEASE UPDATE 12,2.0.1.190716
- Patch [29.774.415](#): OJVM RELEASE UPDATE 12,2.0.1.190716
- Patch [28.125.601](#): DSTv33 for RDBMS (TZDATA2018G)

- Patch [28.127.287](#): DSTv33 for OJVM (TZDATA2018G)
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_19\_lf.zip
- Patch [29.213.893](#): DBMS\_STATS FAILING WITH ERROR ORA-01422 WHEN GATHERING STATS FOR USER\$ TABLE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Aggiornamento della versione 12.2.0.1.190716 di Oracle, rilasciato a luglio 2019

### Bug corretti:

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## Versione 12.2.0.1.ru-2019-04.rur-2019-04.r1

La versione 12.2.0.1.ru-2019-04.rur-2019-04.r1 include quanto segue:

- Patch [29.314.339](#): Database Apr 2.019 Release Update: 12,2.0.1.190416
- Patch [29.249.637](#): OJVM RELEASE UPDATE: 12,2.0.1.190416
- Patch [28.852.325](#): DSTv33 for RDBMS (TZDATA2018G)
- Patch [28.852.334](#): DSTv33 for OJVM (TZDATA2018G)
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_21\_lf.zip

- Patch [28.423.598](#): GOLDENGATE AUTH CAUSES ACTIVE DG TO BE UNUSABLE UNTIL BOUNCE
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Supporto per il pacchetto `rdsadmin_dbms_goldengate_auth`, che fornisce i privilegi GRANT necessari per un account amministratore GoldenGate

Per ulteriori informazioni, consulta [Concedere i privilegi dell'account sul DB di origine](#) nella Guida per l'utente di Amazon RDS.

## Aggiornamento della versione 12.2.0.1.190416 di Oracle, rilasciato ad aprile 2019

### Bug corretti:

26362155, 28023399, 25741955, 25873336, 26966616, 27097854, 28617631  
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## Versione 12.2.0.1.ru-2019-01.rur-2019-01.r1

La versione 12.2.0.1.ru-2019-01.rur-2019-01.r1 include quanto segue:

- Patch [28.822.515](#): Database Jan 2.019 Release Update: 12,2.0.1.190115
- Patch [28.790.651](#): OJVM RELEASE UPDATE: 12,2.0.1.190115
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [28.127.287](#): DSTv32 for OJVM (TZDATA2018E)
- PreUpgrade Jar: preupgrade\_12201\_cbuild\_19\_lf.zip

## Aggiornamento della versione 12.2.0.1.190115 di Oracle, rilasciato a gennaio 2019

Bug corretti:

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## Versione 12.2.0.1.ru-2018-10.rur-2018-10.r1

La versione 12.2.0.1.ru-2018-10.rur-2018-10.r1 include quanto segue:

- Aggiornamento della versione di ottobre 2018: 12.2.0.1.181016 (28662603)

## Aggiornamento della versione 12.2.0.1.181016 di Oracle, rilasciato a ottobre 2018

Bug corretti:

28390273, 28571483, 28483184, 8480838, 13554903, 14221306, 14690846  
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# Amazon RDS per Oracle Database 12c Release 1 (12.1.0.2)

Per Amazon RDS per Oracle Database 12c Release 1 (12.1.0.2), Amazon RDS incorpora correzioni di bug di Oracle utilizzando i relativi PSU (Patch Set Update) di database trimestrali. Se applichi gli aggiornamenti, puoi essere certo che l'istanza database esegue una versione del software di database che è stata testata da Oracle e Amazon. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

## Note

RDS per Oracle Database 12c non è più supportato. Queste informazioni sono utili solo se si desidera aggiornare uno snapshot Oracle Database 12c.

Per trovare quali PSU (Patch Set Update) Oracle vengono applicati a Amazon RDS per Oracle Database 12c Release 1 (12.1.0.2), consulta la tabella seguente.

Data	PSU
Luglio 2022	<a href="#">12.1.0.2.v29</a>
2022 aprile	<a href="#">12.1.0.2.v28</a>
Gennaio 2022	<a href="#">12.1.0.2.v27</a>
Ottobre 2021	<a href="#">12.1.0.2.v26</a>
Luglio 2021	<a href="#">12.1.0.2.v25</a>
Aprile 2021	<a href="#">12.1.0.2.v24</a>
Gennaio 2021	<a href="#">12.1.0.2.v23</a>
Ottobre 2020	<a href="#">12.1.0.2.v22</a>
Luglio 2020	<a href="#">12.1.0.2.v21</a>
Aprile 2020	<a href="#">12.1.0.2.v20</a>

Data	PSU
Gennaio 2020	<a href="#">12.1.0.2.v19</a>
Ottobre 2019	<a href="#">12.1.0.2.v18</a>
Luglio 2019	<a href="#">12.1.0.2.v17</a>
Aprile 2019	<a href="#">12.1.0.2.v16</a>
Gennaio 2019	<a href="#">12.1.0.2.v15</a>
Ottobre 2018	<a href="#">12.1.0.2.v14</a>
Luglio 2018	<a href="#">12.1.0.2.v13</a>
Aprile 2018	<a href="#">12.1.0.2.v12</a>
Gennaio 2018	<a href="#">12.1.0.2.v11</a>
Ottobre 2017	<a href="#">12.1.0.2.v10</a>
Luglio 2017	<a href="#">12.1.0.2.v9</a>
Aprile 2017	<a href="#">12.1.0.2.v8</a>
Gennaio 2017	<a href="#">12.1.0.2.v7</a>
Ottobre 2016	<a href="#">12.1.0.2.v6</a>
Luglio 2016	<a href="#">12.1.0.2.v5</a>
Aprile 2016	<a href="#">12.1.0.2.v4</a>
Gennaio 2016	<a href="#">12.1.0.2.v3</a>
Ottobre 2015	<a href="#">12.1.0.2.v2</a>
Aprile 2015	<a href="#">12.1.0.2.v1</a>

## Versione 12.1.0.2.v29

La versione 12.1.0.2.v29 include quanto segue:

- Patch [34.057.742](#): DATABASE PATCH SET UPDATE 12.1.0.2.220719
- Patch [34.086.863](#): OJVM PATCH SET UPDATE 12,1.0.2.220719
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [34.006.650](#): DSTV38 UPDATE - TZDATA2022A - NEED OJVM FIX
- Patch 17969866: Oracle GoldenGate - 46719: ENH: SUPPORTO DI REPLICA PER INSERIMENTI/ AGGIORNAMENTI COMPLETI CON VALORI ELEVATI
- Patch [20.394.750](#): Oracle GoldenGate - APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate - IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV: QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG:PDCDB:CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [34.339.921](#): MERGE REQUEST ON TOP OF DATABASE PSU 12,1.0.2.220719 FOR BUGS 33.788.341
- Patch [19.504.946](#): FLASH CACHE DOESN'T WORK IN OEL7
- Patch [34.459.167](#): 12,1.0.2 DB INSTANCE STARTUP FAILING WITH ORA-7445 EXCEPTION
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

Patch combinate per la versione 12.1.0.2.v29, rilasciate il 5 ottobre 2022

Bug corretti:

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## Versione 12.1.0.2.v28

La versione 12.1.0.2.v28 include quanto segue:

- Patch [33.711.081](#): DATABASE PATCH SET UPDATE 12,1.0.2.220419

- Patch [33.808.385](#): OJVM PATCH SET UPDATE 12,1.0.2.220419
- Patch [34.006.614](#): RDBMS - DSTV38 UPDATE - TZDATA2022A
- Patch [34.006.650](#): DSTV38 UPDATE - TZDATA2022A - NEED OJVM FIX
- Patch [17.969.866](#): Oracle GoldenGate - 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate - APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate - IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [34.040.225](#): MERGE REQUEST ON TOP OF DATABASE PSU 12,1.0.2.220419 FOR BUGS 33.788.341
- Patch [19.504.946](#): FLASH CACHE DOESN'T WORK IN OEL7
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

## Patch combinate per la versione 12.1.0.2.v28, rilasciata il 28 luglio 2022

### Bug corretti:

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## Versione 12.1.0.2.v27

La versione 12.1.0.2.v27 include quanto segue:

- Patch [33.477.199](#): DATABASE PATCH SET UPDATE 12,1.0.2.220118
- Patch [33.561.268](#): OJVM PATCH SET UPDATE 12,1.0.2.220118
- Patch [33.613.829](#): RDBMS - DSTV37 UPDATE - TZDATA2020E
- Patch [33.613.833](#): DSTV37 UPDATE - TZDATA2020E - NEED OJVM FIX
- Patch [17.969.866](#): Oracle GoldenGate – 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate – APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate – IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN



- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [33.788.341](#): JSON Bundle Patch - MERGE REQUEST ON TOP OF DATABASE PSU 12.1.0.2.220118 FOR BUGS 32.327.179
- Patch [19.504.946](#): FLASH CACHE DOESN'T WORK IN OEL7
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

## Patch combinate per la versione 12.1.0.2.v27, rilasciata a gennaio 2022

### Bug corretti:

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## Versione 12.1.0.2.v26

La versione 12.1.0.2.v26 include quanto segue:

- Patch [33.128.590](#): DATABASE OCT 2.021 RELEASE UPDATE 12,1.0.2.211019
- Patch [33.192.628](#): OJVM RELEASE UPDATE 12,1.0.2.211019
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [17.969.866](#): Oracle GoldenGate – 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUE
- Patch [20.394.750](#): Oracle GoldenGate – APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate – IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [33.510.113](#): JSON Bundle Patch
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

## Patch combinate per la versione 12.1.0.2.v26, rilasciate a ottobre 2021

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## Versione 12.1.0.2.v25

La versione 12.1.0.2.v25 include quanto segue:

- Patch [32.768.233](#): DATABASE PATCH SET UPDATE 12,1.0.2.210720
- Patch [32.876.425](#): OJVM PATCH SET UPDATE 12,1.0.2.210720
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [17.969.866](#): Oracle GoldenGate – 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate – APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS

- Patch [24.835.919](#): Oracle GoldenGate – IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [33.013.352](#): JSON Bundle Patch
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

## Patch combinate per la versione 12.1.0.2.v25, rilasciata a luglio 2021

### Bug corretti:

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## Versione 12.1.0.2.v24

La versione 12.1.0.2.v24 include quanto segue:

- Patch [32.328.635](#): DATABASE PATCH SET UPDATE 12,1.0.2.210420
- Patch [32.473.164](#): OJVM PATCH SET UPDATE 12,1.0.2.210420
- Patch [32.327.201](#): RDBMS - DSTV36 UPDATE - TZDATA2020E
- Patch [17.969.866](#): Oracle GoldenGate – 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate – APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate – IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [32.616.600](#): JSON Bundle Patch
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

Patch combinate per la versione 12.1.0.2.v24, rilasciata ad aprile 2021

Bug corretti:

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## Versione 12.1.0.2.v23

La versione 12.1.0.2.v23 include quanto segue:

- Patch [31.985.579](#): DATABASE PATCH SET UPDATE 12,1.0.2.210119
- Patch [32.119.956](#): OJVM PATCH SET UPDATE 12,1.0.2.210119
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [17.969.866](#): Oracle GoldenGate – 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate – APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate – IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch [32.327.179](#): JSON Bundle Patch
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip
- Java Cryptography Extension (JCE): file di policy di giurisdizione illimitati per JVM versione 6

## Patch combinate per la versione 12.1.0.2.v23, rilasciata nel febbraio 2021

### Bug corretti:

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## Versione 12.1.0.2.v22

La versione 12.1.0.2.v22 include quanto segue:

- Patch [31.550.110](#): Database Patch Set Update : 12,1.0.2.201020 (31.550.110)
- Patch [31.668.915](#): Database PSU 12,1.0.2.201020, Oracle JavaVM Component (OCT2020)
- Patch [31.335.037](#): RDBMS - DSTV35 UPDATE - TZDATA2020A
- Patch [31.335.142](#): DSTV35 UPDATE - TZDATA2020A - NEED OJVM FIX
- Patch [17.969.866](#): Oracle GoldenGate – 46.719 ENH REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate – APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate – IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
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- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [21.171.382](#): ADD CONTROL FOR AUTOMATIC CREATION OF STATS EXTENSIONS
- Patch [23.711.335](#): CDB\_UPG PDCDB CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY



- Patch [25.031.502](#): MV QUERY REWRITE WORKLOAD HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [31.911.280](#): JSON Bundle Patch
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip
- Supporto per l'impostazione e l'annullamento dell'impostazione degli eventi di diagnostica del sistema utilizzando le procedure incluse nel pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Impostazione e annullamento dell'impostazione degli eventi di diagnostica del sistema](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la procedura `rdsadmin_util.truncate_apply$_cdr_info` descritta in [Integrated REPLICAT lenta a causa di una query su sys."\\_DBA\\_APPLY\\_CDR\\_INFO"](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 12.1.0.2.v22, rilasciate a ottobre 2020

### Bug corretti:

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## Versione 12.1.0.2.v21

La versione 12.1.0.2.v21 include quanto segue:

- Patch [31.113.348](#): Database Patch Set Update 12,1.0.2.200714
- Patch [31.219.939](#): Database PSU 12,1.0.2.200714, Oracle JavaVM Component (JUL2020)
- Patch [31.335.037](#): DSTV35 for RDBMS (TZDATA2020A)
- Patch [31.335.142](#): DSTV35 for OJVM (TZDATA2020A)
- Patch [17.969.866](#): Oracle GoldenGate - 46719: ENH: REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate - APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate - IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]

- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- Patch [23.711.335](#): CDB\_UPG:PDCDB:CDB UPGRADE AS WHOLE TAKES 1 MORE HOUR THAN PREVIOUS LABELS IN MAY
- Patch 31579750: bundle patch JSON
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [21.171.382](#): DBMS\_STATS Patch AUTO DOP COMPUTES A HIGH DOP UNNECESSARILY
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

## Patch combinate per la versione 12.1.0.2.v21, rilasciata luglio 2020

### Bug corretti:

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## Versione 12.1.0.2.v20

La versione 12.1.0.2.v20 include quanto segue:

- Patch [30.700.212](#): Database PSU 12,1.0.2.200414
- Patch [30.805.558](#): Oracle JVM Component Database PSU 12,1.0.2.200414
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- Patch [17.969.866](#): Oracle GoldenGate - 46719: ENH: REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate - APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate - IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [31.164.857](#): JSON bundle patch
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]

- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zipn
- Supporto l'eliminazione del cestino

Per ulteriori informazioni, consulta [Eliminare il cestino](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la generazione di report sulle prestazioni con AWR (Automatic Workload Repository) utilizzando il pacchetto `rdsadmin.rdsadmin_diagnostic_util`

Per ulteriori informazioni, consulta la sezione relativa alla [Generazione di report sulle prestazioni con AWR \(Automatic Workload Repository\)](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 12.1.0.2, rilasciata ad aprile 2020

Bug corretti:

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## Versione 12.1.0.2.v19

La versione 12.1.0.2.v19 include quanto segue:

- Patch [30.340.202](#): DATABASE PATCH SET UPDATE 12,1.0.2.200114
- Patch [30.502.041](#): OJVM PATCH SET UPDATE 12,1.0.2.200114
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- Patch [17.969.866](#): Oracle GoldenGate - 46719: ENH: REPLICATION SUPPORT FOR INSERTS / FULL UPDATES WITH LARGE VALUES
- Patch [20.394.750](#): Oracle GoldenGate - APPLY CDR RESOLUTION FAILING FOR LOBS, XML, LONG, AND OBJECTS
- Patch [24.835.919](#): Oracle GoldenGate - IR EXECUTING DEPENDENT TRANSACTIONS OUT OF ORDER WITH PARALLELISM GREATER THAN
- Patch [23.262.847](#): Oracle GoldenGate - MALFORMED REDO CAUSED OGG REPLICATION ABEND
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [30.708.149](#): JSON bundle patch
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip

## Patch Oracle 29918340, rilasciata a gennaio 2020

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## Versione 12.1.0.2.v18

La versione 12.1.0.2.v18 include quanto segue:

- Patch [29.918.340](#): DATABASE PATCH SET UPDATE 12,1.0.2.191015
- Patch [30.128.197](#): OJVM PATCH SET UPDATE 12,1.0.2.191015
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTv34 for OJVM (TZDATA2019G)
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [24835919](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [30.370.890](#): JSON bundle patch
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR
- PreUpgrade Jar: preupgrade\_12.1.0.2.0\_18\_crlf.zip
- Supporto per il ridimensionamento dello spazio tabella temporaneo nella replica di lettura

Per ulteriori informazioni consulta [Ridimensionamento della tablespace temporanea in una replica di lettura](#) nella Guida per l'utente di Amazon RDS.

## Patch Oracle 29918340, rilasciata a ottobre 2019

Bug corretti:

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## Versione 12.1.0.2.v17

La versione 12.1.0.2.v17 include quanto segue:

- Patch [29.494.060](#): DATABASE PATCH SET UPDATE 12,1.0.2.190716
- Patch [29.774.383](#): OJVM PATCH SET UPDATE 12,1.0.2.190716
- Patch [28.852.325](#): DSTv33 for RDBMS (TZDATA2018G)
- Patch [28.852.334](#): DSTv33 for OJVM (TZDATA2018G)
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [24835919](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [29.958.796](#): JSON bundle patch
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Patch Oracle 29494060, rilasciata a luglio 2019

### Bug corretti:

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## Versione 12.1.0.2.v16

La versione 12.1.0.2.v16 include quanto segue:

- Patch [29.141.015](#): Database Patch Set Update: 12,1.0.2.190416
- Patch [29.251.241](#): OJVM PATCH SET UPDATE 12,1.0.2.190416
- Patch [28.852.325](#): DSTv33 for RDBMS (TZDATA2018G)
- Patch [28.852.334](#): DSTv33 for OJVM (TZDATA2018G)
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [24835919](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): DBMS\_STATS Patch

- Patch [21.091.901](#): ONLINE MOVE OF HASH OR REF PARTITION CAN LEAVE LOCAL INDEXES INCONSISTENT
- Patch [29.600.862](#): JSON bundle patch
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Patch Oracle 22785785, rilasciata ad aprile 2019

Bug corretti:

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## Versione 12.1.0.2.v15

La versione 12.1.0.2.v15 include quanto segue:

- Patch [28.729.169](#): Oracle Database Patch Set Update 12,1.0.2.190115
- Patch [28.790.654](#): Oracle JVM Patch Set Update 12,1.0.2.190115
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [28.127.287](#): DSTv32 for OJVM (TZDATA2018E)
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [29.125.200](#): JSON bundle patch
- Patch [20.033.733](#): KGL heap size patch

## Patch Oracle 28729169, rilasciata a gennaio 2019

### Bug corretti:

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## Versione 12.1.0.2.v14

La versione 12.1.0.2.v14 include quanto segue:

- Patch [28.259.833](#): Oracle Database Patch Set Update 12.1.0.2.181016
- Patch [28.440.711](#): Oracle JVM Patch Set Update 12.1.0.2.181016
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [28.127.287](#): DSTv32 for OJVM (TZDATA2018E)
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [28.697.469](#): JSON Database Patch
- Patch [20.033.733](#): KGL heap size patch

## Patch Oracle 28259833, rilasciata a ottobre 2018

Bug corretti:

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## Versione 12.1.0.2.v13

La versione 12.1.0.2.v13 include quanto segue:

- Patch [27.547.329](#): Oracle Database Patch Set Update 12,1.0.2.180717
- Patch [27.923.320](#): Oracle JVM Patch Set Update 12,1.0.2.180717
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [28.127.287](#): DSTv32 for OJVM (TZDATA2018E)
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): DBMS\_STATS Patch
- Patch [28.307.069](#): JSON Database Patch
- Patch [20.033.733](#): KGL heap size patch

## Patch Oracle 27547329, rilasciata a luglio 2018

### Bug corretti:

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## Versione 12.1.0.2.v12

La versione 12.1.0.2.v12 include quanto segue:

- Patch [27.338.041](#): DATABASE PATCH SET UPDATE 12,1.0.2.180417
- Patch [27.475.603](#): OJVM PATCH SET UPDATE 12,1.0.2.180417
- Patch [27.015.449](#): RDBMS - PROACTIVE DSTV31 UPDATE - TZDATA2017C

- Patch [27.015.468](#): PROACTIVE DSTV31 UPDATE - TZDATA2017C - NEED OJVM FIX
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): AUTO DOP COMPUTES A HIGH DOP UNNECESSARILY
- Patch [27.666.699](#): JSON Database Patch
- Patch [20.033.733](#): PART :IMC:HIT ORA 600 [KGL-HEAP-SIZE-EXCEEDED]

## Patch Oracle 27338041, rilasciata ad aprile 2018

Bug corretti:

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## Versione 12.1.0.2.v11

La versione 12.1.0.2.v11 include quanto segue:

- Patch [26.925.311](#): DATABASE PATCH SET UPDATE 12,1.0.2.180116



- Patch [27.001.733](#): OJVM PATCH SET UPDATE 12,1.0.2.180116
- Patch [27.015.449](#): RDBMS - PROACTIVE DSTV31 UPDATE - TZDATA2017C
- Patch [27.015.468](#): PROACTIVE DSTV31 UPDATE - TZDATA2017C - NEED OJVM FIX
- Patch [17969866](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [20394750](#): Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [21.171.382](#): AUTO DOP COMPUTES A HIGH DOP UNNECESSARILY
- Patch [27.315.904](#): JSON Database Patch
- Patch [20.033.733](#): ORA 600 [KGL-HEAP-SIZE-EXCEEDED]

## Patch Oracle 26925311, rilasciata a gennaio 2018

Bug corretti:

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## Versione 12.1.0.2.v10

La versione 12.1.0.2.v10 include quanto segue:

- PSU Oracle ottobre 2017, una combinazione di PSU database (patch 26713565) + PSU componente OJVM (patch 26635845)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866)

- DBMS\_STATS AUTO DOP COMPUTES A HIGH DOP UNNECESSARILY (patch 21171382)
- Patch bundle JSON (patch 26750145)
- Patch dimensione heap KGL (patch 20033733)
- File fuso orario DSTv30 (patch 25881255, OJVM patch 25881271)

## Patch Oracle 26713565, rilasciata a ottobre 2017

### Bug corretti:

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19371175, 19307662, 19154375, 20043616, 21977392, 18914624, 22529728  
19708342, 20139391, 25330273, 19593445, 21291274, 19382851, 19520602  
19174521, 21875360, 19676012, 19326908, 20217801, 20093776, 18840932  
21097043, 21246723, 20803014, 21665897, 19143550, 23026585, 20428621  
19627012, 22087683, 23548817, 14283239, 21422580, 19213447, 26446098  
19518079, 23492665, 18610915, 18674024, 21863727, 24413809, 18306996  
19915271, 21626377, 19524158, 20122715, 20513399, 18110491, 20284155  
25091141, 21080143, 20017509, 22359063, 19363645, 19597439, 21239530  
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21421886, 19604659, 21285458, 23533524, 23170620, 22365117, 18288842  
19048007, 19308965, 19689979, 17409174, 23068169, 19503821, 24662775  
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26444887, 24835538, 23324000, 20318889, 21492036, 19013183, 20591183
19012119, 20464614, 21625179, 19067244, 23053606, 21632821, 19841800
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19054077, 18674047, 19708632, 20898997, 19285025, 21091431, 19289642
25947799, 21133343, 20835241, 20869721, 21172913, 25602488, 19258504
17365043, 21419850, 21644640, 19468347, 21373473, 25093739, 16359751
24421668, 21164318, 25489607, 25484507, 22520320, 19769480, 19439759
19272708, 19978542, 19329654, 20402832, 19873610, 23229229, 13542050
21517440, 25897615, 19291380, 21915719, 25600342, 20879709, 20677396
19076343, 19561643, 19990037, 22897344, 18909599, 19487147, 25600421
20831538, 19016730, 18250893, 23240358, 22179537, 16619249, 18354830
24411921, 18254023, 16756406, 21188584, 19989009, 25766822, 17414008
20688221, 20441797, 20704450, 21780146, 25612095, 25957038, 24652769
25483815, 19157754, 19207117, 24437510, 18885870, 21785691, 20673810
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23084507, 23314180, 20919320, 22503297, 20474192, 22046677, 21299490
19501299, 19385656, 20432873, 18542562, 20920911, 20899461, 21429602
21387128, 21315084, 18122373, 20581111, 26111842, 22624709, 19606174
24690216, 18436647, 19023822, 25110233, 19124589, 19178851, 19597583
18499088, 19050649
```

## Versione 12.1.0.2.v9

La versione 12.1.0.2.v9 include quanto segue:

- PSU Oracle luglio 2017, una combinazione di PSU database (patch 26609783) + PSU componente OJVM (patch 26027162)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866)
- DBMS\_STATS AUTO DOP COMPUTES A HIGH DOP UNNECESSARILY (patch 21171382)
- Patch bundle JSON (patch 26083365)
- Patch dimensione heap KGL (patch 20033733 per 12.1.0.2)
- File fuso orario DSTv30 (patch 25881255, OJVM patch 25881271)
- Supporto per la convalida dei file di istanza DB con l'utilità di convalida RMAN logica

Per ulteriori informazioni, consulta la pagina relativa a [Convalida dei file di istanze database](#) nella Guida per l'utente di Amazon RDS.

- Supporto per l'impostazione dell'edizione predefinita per un'istanza database

Per ulteriori informazioni, vedere [Impostazione dell'edizione predefinita per un'istanza DB](#) in Guida per l'utente di Amazon RDS.

## Patch Oracle 26609783, rilasciata a luglio 2017

Bug corretti:

21099555, 22175564, 19141838, 22083366, 20842388, 19865345, 20117253  
19791273, 20671094, 21542577, 20951038, 19243521, 22165897, 19238590  
21281532, 17008068, 19908836, 24577566, 21184223, 25427662, 19134173  
20569094, 20031873, 20387265, 20322560, 21575362, 19149990, 21263635  
17551063, 18886413, 22160989, 22507210, 19703301, 19366375, 18007682  
19001390, 18202441, 24285405, 25655390, 20267166, 19358317, 19706965  
19068970, 24739928, 18549238, 22148226, 18797519, 26544823, 20825533  
21196809, 18940497, 19670108, 19649152, 18866977, 18948177, 22496904  
19404068, 18964978, 19176326, 19035573, 20413820, 20717081, 19176223  
21106027, 20904530, 20134339, 19074147, 20868862, 18411216, 21072646  
25475853, 21322887, 22507234, 20425790, 20862087, 18966843, 21329301  
20562898, 19333670, 19468991, 20124446, 19883092, 20878790, 18510194  
19658708, 19591608, 19402853, 20618595, 21787056, 22380919, 21266085  
19469538, 17835294, 19721304, 19068610, 19791377, 22178855, 16777441  
22173980, 20746251, 20048359, 21896069, 19185876, 20898391, 20281121  
20907061, 6599380, 19577410, 22092979, 19001359, 20603378, 23089357  
21387964, 19490948, 22294260, 20832516, 17532734, 22351572, 19309466  
19081128, 20627866, 20844426, 24908321, 21188532, 18791688, 21442094  
20890311, 20596234, 20368850, 18973548, 19303936, 21296029, 20882568  
21479753, 19461270, 20235511, 22077517, 20936905, 21220620, 18964939  
19430401, 22296366, 21153266, 19409212, 22657942, 20703000, 20657441  
19879746, 20557786, 19684504, 21294938, 19024808, 24693382, 20528052  
20977794, 18799993, 20466322, 18740837, 19662635, 18440095, 20228093  
19065556, 20212067, 25547060, 21868720, 22905130, 19524384, 25459958  
24350831, 17722075, 20446883, 25056052, 18952989, 24523374, 16870214  
19928926, 19835133, 21629064, 21354456, 20466628, 24386767, 25490238  
19931709, 19730508, 18819908, 20250147, 23124895, 25643931, 23220453  
19188927, 20074391, 18307021, 23533807, 20356733, 14643995, 18090142  
19065677, 19547370, 21225209, 21960504, 26575788, 20397490, 20172151  
18967382, 19174430, 21241829, 19536415, 26546664, 19171086, 21132297  
21889720, 22465352, 22168163, 19335438, 24397438, 20076781, 20447445  
18856999, 20471920, 19869255, 21620471, 18990693, 23096938, 19124336  
17890099, 24812585, 18990023, 21300341, 20101006, 20848335, 21744290  
20897759, 21668627, 19304354, 19052488, 20543011, 20794034, 23025340

25606091, 23260854, 18681056, 19562381, 20952966, 19896336, 20828947  
25539063, 18618122, 20328248, 20440930, 18456643, 19699191, 22865673  
19201867, 22022760, 21514877, 18743542, 20798891, 20347562, 25161298  
23294548, 24560906, 22551446, 19777862, 19687159, 21373076, 19174942  
20424899, 21899588, 18899974, 21476308, 20598042, 24308635, 21297872  
19058490, 19032777, 20171986, 22815955, 19399918, 19434529, 19018447  
18051556, 21273804, 22757364, 18851894, 19022470, 19284031, 18043064  
20173897, 22062026, 20475845, 17274537, 19440586, 24825843, 18974476  
22374754, 16887946, 17319928, 20401975, 20708701, 24674955, 22062517  
22809871, 17655240, 19805359, 16439813, 19155797, 20859910, 19393542  
17210525, 22024071, 19189525, 21847223, 21649497, 19075256, 25823754  
25079710, 20315311, 22762046, 22075064, 20936731, 20437153, 18845653  
19280225, 19248799, 20560611, 18988834, 21756699, 18921743, 20245930  
18799063, 20373598, 20476175, 19571367, 20925795, 19018206, 25264559  
20711718, 20509482, 20181030, 20588502, 21911701, 18849537, 23501901  
19183343, 21917884, 21142837, 20603431, 19189317, 19644859, 19390567  
26546754, 19279273, 20669434, 16863642, 22528741, 25546608, 19619732  
20348653, 18607546, 19315691, 19676905, 20165574, 17867700, 20558005  
20734332, 19532017, 20922010, 19818513, 19450314, 22353346, 16941434  
20361671, 25423453, 20009833, 22366558, 20294666, 23197103, 18191823  
19195895, 19371175, 19307662, 19154375, 20043616, 21977392, 18914624  
22529728, 20139391, 25330273, 19593445, 21291274, 19382851, 19520602  
19174521, 21875360, 19676012, 19326908, 20217801, 20093776, 18840932  
21097043, 21246723, 20803014, 21665897, 19143550, 23026585, 20428621  
19627012, 14283239, 21422580, 19213447, 19518079, 18610915, 18674024  
24413809, 18306996, 19915271, 21626377, 19524158, 20122715, 20513399  
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21239530, 19383839, 20880215, 21756677, 19888853, 22458049, 19534363  
19354335, 19044962, 19639483, 25982666, 19475971, 22353199, 21060755  
22243719, 22916353, 20378086, 24808595, 21756661, 21260431, 22923409  
19028800, 20877664, 21059919, 20879889, 21380789, 19723336, 19077215  
21421886, 19604659, 21285458, 23533524, 23170620, 22365117, 18288842  
19048007, 19308965, 19689979, 17409174, 19503821, 21526048, 19197175  
19180770, 24573817, 19902195, 24835538, 23324000, 20318889, 19013183  
20591183, 19012119, 20464614, 19067244, 21632821, 19841800, 19512341  
22695831, 20331945, 19587324, 24316947, 19578350, 19637186, 19054077  
18674047, 19708632, 20898997, 21091431, 19289642, 21133343, 20835241  
20869721, 21172913, 19258504, 17365043, 21419850, 21644640, 19468347  
21373473, 25093739, 16359751, 21164318, 25484507, 22520320, 19769480  
19439759, 19272708, 19978542, 19329654, 20402832, 19873610, 23229229  
13542050, 21517440, 19291380, 21915719, 25600342, 20879709, 20677396  
19076343, 19561643, 19990037, 18909599, 19487147, 25600421, 20831538  
19016730, 18250893, 16619249, 18354830, 24411921, 16756406, 18254023  
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21780146, 25612095, 25957038, 25483815, 19157754, 19207117, 24437510
18885870, 21785691, 20673810, 21450666, 18893947, 18705806, 22223463
18417036, 16923858, 23314180, 20919320, 20474192, 22046677, 21299490
19501299, 19385656, 20432873, 20920911, 20899461, 21387128, 21315084
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25110233, 19124589, 19178851, 19597583, 18499088, 19050649
```

## Versione 12.1.0.2.v8

La versione 12.1.0.2.v8 include quanto segue:

- Patch Oracle 25433980, una combinazione di PSU database (patch 25171037) + PSU componente OJVM (patch 25437695)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866 per 12.1.0.2)
- Patch moduli Oracle 18307021 per 12.1.0.2
- Patch DBMS\_STATS (patch 21171382 per 12.1.0.2)
- Patch bundle JSON (patch 25531469 per 12.1.0.2)
- Patch dimensione heap KGL (patch 20033733 per 12.1.0.2)
- Corretto un bug che influenzava l'applicazione di PSU dopo l'aggiornamento a 12.1.0.2.v5, v6 e v7
- File fuso orario DSTv28 (patch 24701840)
- Supporto per il pacchetto DBMS\_CHANGE\_NOTIFICATION
- Supporto per pacchetti e visualizzazioni XSTREAM (potrebbe richiedere licenze aggiuntive)

## Patch Oracle 25171037, rilasciata ad aprile 2017

Bug corretti:

```
21099555, 22175564, 19141838, 22083366, 20842388, 20117253, 19865345
19791273, 21542577, 20951038, 19243521, 22165897, 17008068, 19908836
21281532, 19238590, 24577566, 21184223, 19134173, 20569094, 20031873
20322560, 20387265, 21575362, 19149990, 21263635, 17551063, 18886413
22160989, 22507210, 19366375, 19703301, 19001390, 24285405, 18202441
20267166, 19358317, 19706965, 19068970, 18549238, 24739928, 18797519
22148226, 20825533, 21196809, 19649152, 19670108, 18940497, 18948177
22496904, 18964978, 19176326, 19035573, 20413820, 19176223, 21106027
```

20904530, 20134339, 19074147, 20868862, 18411216, 25475853, 21322887  
21072646, 22507234, 20425790, 20862087, 18966843, 21329301, 20562898  
19333670, 20124446, 19468991, 19883092, 20878790, 18510194, 19658708  
19591608, 19402853, 20618595, 21787056, 22380919, 19469538, 21266085  
17835294, 19721304, 19068610, 19791377, 22178855, 16777441, 22173980  
20048359, 20746251, 21896069, 19185876, 20898391, 20907061, 20281121  
6599380, 19577410, 22092979, 19001359, 20603378, 23089357, 21387964  
19490948, 22294260, 17532734, 20832516, 22351572, 19309466, 20627866  
19081128, 20844426, 21188532, 18791688, 20890311, 21442094, 20596234  
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21153266, 19409212, 20703000, 22657942, 19879746, 20657441, 21294938  
19684504, 19024808, 20528052, 24693382, 20977794, 18799993, 20466322  
18740837, 19662635, 18440095, 20228093, 19065556, 20212067, 21868720  
22905130, 19524384, 24350831, 17722075, 20446883, 25056052, 18952989  
24523374, 16870214, 19928926, 19835133, 21629064, 21354456, 20466628  
24386767, 25490238, 19931709, 19730508, 18819908, 20250147, 23124895  
23220453, 19188927, 20074391, 18307021, 20356733, 14643995, 19065677  
19547370, 21960504, 21225209, 20397490, 18967382, 19174430, 21241829  
19536415, 19171086, 21889720, 22465352, 22168163, 19335438, 24397438  
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19124336, 17890099, 24812585, 18990023, 21300341, 20101006, 20848335  
21744290, 20897759, 21668627, 19304354, 20543011, 19052488, 20794034  
23025340, 23260854, 18681056, 20952966, 19896336, 25539063, 18618122  
20328248, 20440930, 18456643, 19699191, 19201867, 22865673, 22022760  
20798891, 18743542, 25161298, 20347562, 22551446, 19777862, 19687159  
21373076, 19174942, 20424899, 21899588, 18899974, 21476308, 20598042  
21297872, 24308635, 20171986, 19058490, 19032777, 22815955, 19399918  
19434529, 21273804, 19018447, 22757364, 18851894, 19022470, 19284031  
18043064, 20173897, 22062026, 20475845, 17274537, 19440586, 18974476  
24825843, 22374754, 16887946, 17319928, 20401975, 20708701, 22062517  
22809871, 17655240, 16439813, 19805359, 19155797, 20859910, 19393542  
22024071, 17210525, 19189525, 21847223, 21649497, 25079710, 19075256  
20315311, 22762046, 22075064, 20936731, 18845653, 19280225, 19248799  
20560611, 18988834, 21756699, 18921743, 20245930, 18799063, 20373598  
19571367, 20476175, 20925795, 19018206, 25264559, 20711718, 20509482  
20181030, 20588502, 21911701, 18849537, 23501901, 19183343, 21917884  
21142837, 19189317, 19644859, 19390567, 19279273, 20669434, 16863642  
22528741, 25546608, 19619732, 18607546, 20348653, 19315691, 19676905  
20165574, 17867700, 20558005, 20734332, 19532017, 20922010, 19818513  
19450314, 22353346, 16941434, 20361671, 20009833, 22366558, 20294666  
18191823, 23197103, 19195895, 19371175, 19307662, 19154375, 20043616  
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20093776, 18840932, 21097043, 21246723, 20803014, 21665897, 19143550
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18674024, 24413809, 18306996, 19915271, 19524158, 20122715, 20284155
20017509, 22359063, 19363645, 19597439, 21239530, 19383839, 20880215
21756677, 19888853, 22458049, 19534363, 19354335, 19044962, 19639483
19475971, 22353199, 22243719, 21060755, 22916353, 20378086, 24808595
21756661, 21260431, 22923409, 19028800, 20877664, 21059919, 20879889
21380789, 19723336, 19077215, 19604659, 21421886, 21285458, 23533524
23170620, 22365117, 18288842, 19048007, 19308965, 19689979, 19503821
21526048, 19197175, 19180770, 19902195, 23324000, 20318889, 19013183
20591183, 19012119, 20464614, 19067244, 21632821, 19841800, 19512341
22695831, 20331945, 19587324, 24316947, 19578350, 19637186, 19054077
18674047, 19708632, 20898997, 21091431, 19289642, 21133343, 20869721
21172913, 19258504, 17365043, 21419850, 19468347, 21373473, 25093739
16359751, 21164318, 22520320, 19769480, 19439759, 19272708, 19978542
19329654, 20402832, 19873610, 23229229, 13542050, 21517440, 19291380
21915719, 20879709, 20677396, 19076343, 19561643, 19990037, 19487147
18909599, 20831538, 19016730, 18250893, 16619249, 18354830, 24411921
16756406, 18254023, 21188584, 19989009, 17414008, 20688221, 20704450
20441797, 25483815, 19157754, 24437510, 18885870, 21785691, 20673810
21450666, 18893947, 18705806, 22223463, 16923858, 18417036, 23314180
20919320, 20474192, 22046677, 21299490, 19501299, 19385656, 20920911
20899461, 21387128, 21315084, 18122373, 20581111, 19606174, 24690216
18436647, 19023822, 19124589, 19178851, 19597583, 18499088, 19050649
```

## Versione 12.1.0.2.v7

La versione 12.1.0.2.v7 include quanto segue:

- Patch Oracle 24917069, una combinazione di PSU database (patch 24732082) + PSU componente OJVM (patch 24917972)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866 per 12.1.0.2)
- Patch moduli Oracle 18307021 per 12.1.0.2
- Patch DBMS\_STATS (patch 21171382 per 12.1.0.2)
- Patch bundle JSON (patch 25089615 per 12.1.0.2)
- Patch dimensione heap KGL (patch 20033733 per 12.1.0.2)

## Patch Oracle 24917069, rilasciata a gennaio 2017

### Bug corretti:

24917972, 25067795, 24534298, 25076732, 25076756, 24315824, 21659726  
24448240, 24448282, 23177536, 22675136, 23265914, 23265965, 23727148  
22674709, 22670413, 22670385, 21188537, 22139226, 22118835, 22118851  
21555660, 21811517, 19623450, 21566993, 21566944, 19176885, 21068507  
21047803, 21047766, 20415564, 20408829, 20408866, 19877336, 19855285  
19909862, 19895362, 19895326, 19153980, 19231857, 19223010, 19245191,  
19699946,  
21099555, 22175564, 19141838, 22083366, 20842388, 20117253, 19865345  
19791273, 21542577, 20951038, 19243521, 22165897, 19908836, 21281532  
19238590, 24577566, 21184223, 19134173, 20031873, 20387265, 21575362  
19149990, 21263635, 17551063, 18886413, 22160989, 22507210, 19366375  
19703301, 19001390, 24285405, 18202441, 20267166, 19358317, 19706965  
24739928, 19068970, 18549238, 18797519, 22148226, 20825533, 21196809  
19649152, 19670108, 18940497, 18948177, 22496904, 18964978, 19035573  
19176326, 20413820, 19176223, 21106027, 20904530, 20134339, 19074147  
20868862, 18411216, 21072646, 21322887, 22507234, 20425790, 18966843  
21329301, 20562898, 19333670, 20124446, 19468991, 19883092, 18510194  
19658708, 19591608, 19402853, 20618595, 21787056, 22380919, 19469538  
21266085, 17835294, 19721304, 19791377, 19068610, 22178855, 16777441  
22173980, 20048359, 20746251, 21896069, 20898391, 19185876, 20907061  
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19490948, 21387964, 22294260, 20832516, 17532734, 19309466, 20627866  
19081128, 20844426, 21188532, 18791688, 20890311, 21442094, 20596234  
18973548, 21296029, 19303936, 20882568, 19461270, 21479753, 22077517  
20936905, 20235511, 21220620, 18964939, 19430401, 22296366, 21153266  
19409212, 22657942, 19879746, 20657441, 21294938, 19684504, 24693382  
20528052, 19024808, 20977794, 18799993, 20466322, 18740837, 19662635  
20228093, 20212067, 19065556, 19524384, 17722075, 20446883, 25056052  
24523374, 18952989, 16870214, 19928926, 19835133, 21629064, 21354456  
20466628, 24386767, 19931709, 19730508, 18819908, 23124895, 23220453  
19188927, 20074391, 18307021, 20356733, 14643995, 19547370, 19065677  
21960504, 21225209, 20397490, 18967382, 19174430, 21241829, 19536415  
19171086, 22465352, 22168163, 19335438, 24397438, 20447445, 18856999  
19869255, 20471920, 21620471, 18990693, 17890099, 24812585, 18990023  
21300341, 20101006, 20848335, 21744290, 20897759, 21668627, 19304354  
19052488, 20794034, 23025340, 23260854, 18681056, 20952966, 19896336  
20328248, 18618122, 20440930, 18456643, 19699191, 19201867, 22865673  
22022760, 20798891, 18743542, 25161298, 20347562, 19777862, 22551446

19687159, 21373076, 19174942, 20424899, 21899588, 18899974, 21476308  
20598042, 24308635, 19032777, 19058490, 22815955, 19399918, 19434529  
21273804, 19018447, 22757364, 18851894, 19022470, 19284031, 18043064  
20173897, 22062026, 20475845, 17274537, 19440586, 24825843, 18974476  
22374754, 16887946, 17319928, 20401975, 20708701, 22809871, 17655240  
16439813, 19805359, 19155797, 20859910, 19393542, 17210525, 22024071  
21847223, 19189525, 21649497, 19075256, 20315311, 22762046, 22075064  
20936731, 19280225, 18845653, 20560611, 19248799, 21756699, 18988834  
20245930, 18921743, 18799063, 20373598, 19571367, 20476175, 20925795  
25264559, 19018206, 20711718, 20509482, 20181030, 20588502, 18849537  
23501901, 19183343, 21917884, 19189317, 19644859, 19390567, 19279273  
20669434, 22528741, 16863642, 19619732, 18607546, 20348653, 19315691  
19676905, 20165574, 17867700, 20558005, 20734332, 19532017, 20922010  
19818513, 19450314, 22353346, 20361671, 20009833, 22366558, 20294666  
23197103, 18191823, 19195895, 19307662, 19371175, 20043616, 19154375  
18914624, 22529728, 20139391, 21291274, 19382851, 19520602, 19174521  
21875360, 19676012, 19326908, 20217801, 20093776, 18840932, 21097043  
21246723, 20803014, 21665897, 19143550, 20428621, 19627012, 14283239  
19518079, 18610915, 18674024, 24413809, 18306996, 19524158, 19915271  
20122715, 20284155, 20017509, 22359063, 19363645, 19597439, 21239530  
19888853, 21756677, 20880215, 22458049, 19534363, 19354335, 19044962  
19639483, 19475971, 22353199, 21060755, 22243719, 22916353, 20378086  
24808595, 21260431, 21756661, 22923409, 20877664, 19028800, 21059919  
20879889, 21380789, 19723336, 19077215, 19604659, 21421886, 21285458  
23533524, 23170620, 22365117, 18288842, 19308965, 19048007, 19689979  
21526048, 19197175, 19180770, 19902195, 23324000, 20318889, 19013183  
20591183, 19012119, 20464614, 19067244, 21632821, 19512341, 19841800  
22695831, 20331945, 19587324, 24316947, 19578350, 19637186, 18674047  
19054077, 20898997, 19708632, 21091431, 19289642, 21133343, 20869721  
21172913, 19258504, 17365043, 19468347, 21373473, 16359751, 19769480  
19439759, 19272708, 19978542, 20402832, 19329654, 19873610, 23229229  
21517440, 13542050, 19291380, 21915719, 20879709, 20677396, 19076343  
19561643, 19990037, 19487147, 18909599, 20831538, 18250893, 19016730  
16619249, 18354830, 18254023, 21188584, 19989009, 17414008, 20688221  
20704450, 20441797, 19157754, 24437510, 18885870, 21785691, 18893947  
21450666, 18705806, 22223463, 16923858, 18417036, 23314180, 20919320  
20474192, 22046677, 19385656, 19501299, 20920911, 20899461, 21315084  
21387128, 18122373, 20581111, 19606174, 24690216, 18436647, 19023822  
19178851, 19124589, 19597583, 18499088, 19050649

## Versione 12.1.0.2.v6

La versione 12.1.0.2.v6 include quanto segue:

- Patch Oracle 24433133, una combinazione di PSU database (patch 24006101) + PSU componente OJVM (patch 24315824)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866 per 12.1.0.2)
- Patch moduli Oracle 18307021 per 12.1.0.2
- Patch DBMS\_STATS (patch 21171382 per 12.1.0.2)
- Patch bundle JSON (patch 24568656 per 12.1.0.2)
- È stato corretto un bug per cui gli script di aggiornamento 12c causavano il drop delle directory cliente
- Directory di log DIAG resa disponibile per i clienti

**Baseline: PSU database Oracle 12.1.0.2.161018 (patch 24006101, rilasciata a ottobre 2016)**

Bug corretti:

```
21099555, 22175564, 19141838, 22083366, 20842388, 20117253, 19865345
19791273, 19243521, 20951038, 19908836, 21281532, 19238590, 24577566
21184223, 19134173, 20387265, 19149990, 21263635, 18886413, 17551063
22160989, 22507210, 19703301, 19366375, 19001390, 18202441, 20267166
19358317, 19706965, 18549238, 19068970, 18797519, 22148226, 20825533
19649152, 19670108, 18940497, 18948177, 18964978, 19035573, 19176326
20413820, 19176223, 20904530, 20134339, 19074147, 20868862, 18411216
21322887, 22507234, 20425790, 18966843, 21329301, 19333670, 19468991
20124446, 19883092, 19658708, 19591608, 19402853, 20618595, 21787056
22380919, 21266085, 17835294, 19721304, 19791377, 19068610, 22178855
22173980, 20746251, 20048359, 20898391, 19185876, 20281121, 20907061
6599380, 19577410, 22092979, 20603378, 19001359, 19490948, 21387964
20832516, 17532734, 19309466, 19081128, 20627866, 20844426, 21188532
18791688, 21442094, 20890311, 20596234, 18973548, 21296029, 19303936
19461270, 21479753, 20936905, 20235511, 21220620, 18964939, 19430401
22296366, 21153266, 19409212, 22657942, 20657441, 19879746, 19684504
20528052, 19024808, 20977794, 18799993, 20466322, 18740837, 19662635
20228093, 19065556, 20212067, 19524384, 17722075, 20446883, 18952989
```

16870214, 19928926, 19835133, 21629064, 20466628, 24386767, 19931709  
19730508, 18819908, 23124895, 19188927, 20074391, 20356733, 14643995  
19547370, 19065677, 21960504, 21225209, 20397490, 18967382, 19174430  
21241829, 19536415, 19171086, 22465352, 22168163, 19335438, 20447445  
18856999, 20471920, 19869255, 21620471, 18990693, 17890099, 18990023  
20101006, 21300341, 20848335, 21744290, 20897759, 21668627, 19304354  
19052488, 20794034, 23260854, 18681056, 20952966, 19896336, 18618122  
20328248, 20440930, 18456643, 19699191, 19201867, 22865673, 18743542  
20798891, 20347562, 22551446, 19777862, 19687159, 21373076, 19174942  
20424899, 21899588, 18899974, 20598042, 19032777, 19058490, 22815955  
19399918, 19434529, 21273804, 19018447, 22757364, 18851894, 19284031  
19022470, 18043064, 20173897, 22062026, 20475845, 17274537, 19440586  
16887946, 22374754, 17319928, 20708701, 17655240, 16439813, 19805359  
19155797, 20859910, 19393542, 22024071, 17210525, 21847223, 19189525  
21649497, 19075256, 22762046, 22075064, 19280225, 18845653, 20560611  
19248799, 21756699, 18988834, 20245930, 18921743, 18799063, 20373598  
20476175, 19571367, 20925795, 19018206, 20509482, 20711718, 20588502  
18849537, 19183343, 21917884, 19189317, 19644859, 19390567, 19279273  
20669434, 16863642, 22528741, 19619732, 18607546, 20348653, 19315691  
19676905, 20165574, 17867700, 20558005, 20734332, 19532017, 20922010  
19450314, 22353346, 20361671, 20009833, 22366558, 20294666, 18191823  
19307662, 19371175, 19195895, 20043616, 19154375, 18914624, 20139391  
21291274, 19174521, 19520602, 19382851, 21875360, 19676012, 19326908  
20217801, 20093776, 21097043, 21246723, 21665897, 19143550, 20428621  
19627012, 14283239, 19518079, 18610915, 18674024, 18306996, 19524158  
19915271, 20122715, 20284155, 20017509, 19363645, 19597439, 21239530  
19888853, 20880215, 21756677, 19534363, 19354335, 19044962, 19639483  
22353199, 22243719, 22916353, 20378086, 21756661, 21260431, 22923409  
20877664, 19028800, 20879889, 19723336, 19077215, 21421886, 19604659  
19308965, 19048007, 18288842, 19689979, 21526048, 19180770, 19197175  
19902195, 20318889, 19013183, 19012119, 20464614, 19067244, 21632821  
19512341, 19841800, 20331945, 19587324, 24316947, 19578350, 19637186  
18674047, 19054077, 20898997, 19708632, 21091431, 19289642, 20869721  
19258504, 17365043, 19468347, 21373473, 16359751, 19439759, 19769480  
19272708, 19978542, 20402832, 19329654, 19873610, 23229229, 21517440  
13542050, 19291380, 21915719, 19076343, 19561643, 19990037, 19487147  
18909599, 20831538, 18250893, 19016730, 16619249, 18354830, 21188584  
19989009, 17414008, 20688221, 20704450, 20441797, 19157754, 18885870  
21785691, 21450666, 18893947, 18705806, 22223463, 16923858, 18417036  
20919320, 20474192, 22046677, 19385656, 19501299, 20920911, 20899461  
21387128, 21315084, 18122373, 20581111, 19606174, 18436647, 19023822  
19178851, 19124589, 19597583, 18499088, 19050649

## Versione 12.1.0.2.v5

La versione 12.1.0.2.v5 include quanto segue:

- Patch Oracle 23615289, una combinazione di PSU database (patch 23054246) + PSU componente OJVM (patch 23177536)
- File fuso orario DSTv26 (patch 22873635 per 12.1.0.2)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866 per 12.1.0.2)
- Patch moduli Oracle 18307021 per 12.1.0.2
- Possibilità di creare funzioni di verifica password personalizzate

Per ulteriori informazioni, consulta [Creazione di funzioni personalizzate per verificare le password](#) nella Guida per l'utente di Amazon RDS.

- È stato corretto un bug che impediva la ricompilazione implicita di visualizzazioni di proprietà di SYS

Baseline: PSU database Oracle 12.1.0.2.160719 (patch 23054246, rilasciata a luglio 2016)

Bug corretti:

```
19189525, 21847223, 21099555, 21649497, 19075256, 19141838, 22762046
22075064, 20117253, 19865345, 19791273, 18845653, 19280225, 19248799
19243521, 20951038, 18988834, 21756699, 21281532, 19238590, 21184223
18921743, 20245930, 18799063, 19134173, 20373598, 19571367, 20476175
20925795, 19018206, 20509482, 20711718, 20387265, 20588502, 19149990
21263635, 18849537, 18886413, 17551063, 22507210, 19183343, 19366375
19703301, 21917884, 19001390, 18202441, 19189317, 20267166, 19644859
19390567, 19358317, 19279273, 19706965, 18549238, 16863642, 19068970
22528741, 18797519, 20825533, 19619732, 18607546, 20348653, 19649152
19670108, 18940497, 18948177, 19315691, 19676905, 18964978, 19176326
20165574, 19035573, 20413820, 17867700, 20558005, 19176223, 19532017
20904530, 20134339, 19450314, 19074147, 22353346, 20868862, 18411216
22507234, 20361671, 20425790, 18966843, 20009833, 22366558, 21329301
20294666, 18191823, 19333670, 19195895, 19371175, 19307662, 19154375
20043616, 20124446, 18914624, 19468991, 19883092, 21291274, 19382851
19520602, 19174521, 21875360, 19676012, 19326908, 19658708, 19591608
19402853, 20093776, 20618595, 21787056, 22380919, 21246723, 17835294
```



19721304, 19068610, 19791377, 21665897, 22178855, 22173980, 20048359  
20746251, 19143550, 20898391, 19185876, 19627012, 20281121, 19577410  
22092979, 19001359, 14283239, 19518079, 18610915, 19490948, 17532734  
18674024, 18306996, 19309466, 19081128, 19524158, 19915271, 20122715  
21188532, 18791688, 20284155, 20890311, 21442094, 20596234, 18973548  
21296029, 19303936, 19597439, 20936905, 20235511, 21220620, 20880215  
18964939, 21756677, 19888853, 19534363, 19430401, 19354335, 19044962  
19639483, 22296366, 22353199, 21153266, 19409212, 19879746, 20657441  
19684504, 20528052, 19024808, 20977794, 20378086, 18799993, 21756661  
21260431, 18740837, 22923409, 19028800, 20877664, 20228093, 20879889  
19065556, 19723336, 19077215, 19604659, 21421886, 19524384, 17722075  
19308965, 18288842, 19048007, 19689979, 20446883, 18952989, 16870214  
19928926, 19835133, 21629064, 21526048, 19197175, 19180770, 20466628  
19902195, 19931709, 20318889, 19013183, 19730508, 19012119, 19067244  
20074391, 20356733, 14643995, 19512341, 19841800, 20331945, 19587324  
19065677, 19547370, 19578350, 21225209, 19637186, 20397490, 18967382  
19174430, 21241829, 19054077, 18674047, 20898997, 19708632, 19536415  
21091431, 19289642, 20869721, 22168163, 19335438, 19258504, 20447445  
17365043, 18856999, 19468347, 19869255, 20471920, 21373473, 21620471  
16359751, 18990693, 17890099, 19769480, 19439759, 19272708, 18990023  
19978542, 19329654, 20101006, 21300341, 20402832, 19873610, 20848335  
23229229, 21744290, 21668627, 21517440, 13542050, 19304354, 19052488  
20794034, 19291380, 21915719, 23260854, 18681056, 20952966, 19896336  
19076343, 19561643, 18618122, 19990037, 20440930, 18456643, 19699191  
19201867, 19487147, 18909599, 20831538, 19016730, 18250893, 20798891  
18743542, 20347562, 16619249, 18354830, 22551446, 19777862, 19687159  
21373076, 19174942, 20424899, 21188584, 19989009, 17414008, 20688221  
21899588, 20441797, 19157754, 19058490, 19032777, 22815955, 19399918  
18885870, 19434529, 21273804, 19018447, 21450666, 18893947, 18851894  
16923858, 18417036, 20919320, 19022470, 19284031, 20474192, 20173897  
22046677, 22062026, 19501299, 19385656, 20920911, 17274537, 20899461  
21315084, 19440586, 16887946, 22374754, 17319928, 19606174, 20708701  
18436647, 17655240, 19023822, 19124589, 19178851, 16439813, 19805359  
19597583, 18499088, 19155797, 19050649, 19393542

## Versione 12.1.0.2.v4

La versione 12.1.0.2.v4 include quanto segue:

- PSU Oracle 12.1.0.2.160419 (22291127)
- File fuso orario DSTv25 (patch 22037014)

- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 17969866)
- Aggiunge la possibilità per l'utente master di concedere i ruoli EM\_EXPRESS\_BASIC ed EM\_EXPRESS\_ALL
- Aggiunge la possibilità per l'utente master di concedere privilegi su oggetti SYS con l'opzione di concessione utilizzando la procedura RDSADMIN.RDSADMIN\_UTIL.GRANT\_SYS\_OBJECT
- Aggiunge privilegi utente master per supportare gli schemi più comuni creati da Repository Creation Utility (RCU) di Oracle Fusion Middleware

Baseline: PSU database Oracle 12.1.0.2.160419 (patch 22291127, rilasciata ad aprile 2016)

Bug corretti:

```
21847223, 19189525, 19075256, 19141838, 22762046, 20117253, 19865345
19791273, 19280225, 18845653, 19248799, 20951038, 19243521, 21756699
18988834, 21281532, 19238590, 18921743, 20245930, 18799063, 19134173
20373598, 19571367, 20476175, 20925795, 19018206, 20711718, 20387265
20509482, 20588502, 19149990, 18849537, 17551063, 18886413, 19183343
19703301, 21917884, 19001390, 18202441, 19189317, 19644859, 19358317
19390567, 19279273, 19706965, 22528741, 19068970, 20825533, 19619732
18607546, 20348653, 19649152, 19670108, 18940497, 18948177, 19315691
19676905, 18964978, 19035573, 20165574, 19176326, 20413820, 20558005
19176223, 19532017, 20904530, 20134339, 19450314, 22353346, 19074147
18411216, 20361671, 20425790, 18966843, 21329301, 20294666, 19333670
19195895, 19307662, 19371175, 20043616, 19154375, 20124446, 18914624
19468991, 19883092, 19382851, 19520602, 19174521, 21875360, 19676012
19326908, 19658708, 19591608, 20093776, 20618595, 21787056, 17835294
19721304, 19791377, 19068610, 22173980, 20746251, 20048359, 19143550
19185876, 19627012, 20281121, 19577410, 22092979, 19001359, 19518079
18610915, 19490948, 18674024, 18306996, 19309466, 19081128, 19915271
20122715, 21188532, 18791688, 20284155, 20890311, 21442094, 20596234
18973548, 19303936, 19597439, 20936905, 20235511, 19888853, 21756677
18964939, 19354335, 19430401, 19044962, 19639483, 21153266, 22353199
19409212, 20657441, 19879746, 19684504, 19024808, 21260431, 21756661
18799993, 20877664, 19028800, 20879889, 19065556, 19723336, 19077215
19604659, 21421886, 19524384, 18288842, 19048007, 19689979, 20446883
18952989, 16870214, 19928926, 19835133, 21526048, 20466628, 19197175
19180770, 19902195, 20318889, 19730508, 19012119, 19067244, 20074391
20356733, 14643995, 19512341, 19841800, 20331945, 19587324, 19547370
```

```
19065677, 21225209, 19637186, 20397490, 18967382, 19174430, 19054077
18674047, 19536415, 19708632, 21091431, 19289642, 22168163, 20869721
19335438, 19258504, 20447445, 17365043, 18856999, 19468347, 20471920
19869255, 21620471, 16359751, 18990693, 17890099, 19769480, 19439759
19272708, 18990023, 19978542, 20402832, 20101006, 21300341, 19329654
19873610, 21744290, 13542050, 21517440, 21668627, 19304354, 19052488
20794034, 19291380, 21915719, 18681056, 20952966, 19896336, 19076343
19561643, 19990037, 18618122, 20440930, 18456643, 19699191, 19487147
18909599, 20831538, 18250893, 19016730, 18743542, 20347562, 16619249
18354830, 19777862, 19687159, 19174942, 20424899, 19989009, 20688221
21899588, 20441797, 19157754, 19032777, 19058490, 19399918, 18885870
19434529, 21273804, 19018447, 18893947, 16923858, 18417036, 20919320
19022470, 19284031, 20474192, 22046677, 20173897, 22062026, 19385656
19501299, 17274537, 20899461, 21315084, 19440586, 22374754, 16887946
19606174, 18436647, 17655240, 19023822, 19178851, 19124589, 16439813
19805359, 19597583, 18499088, 19155797, 19050649, 19393542
```

## Versione 12.1.0.2.v3

La versione 12.1.0.2.v3 include quanto segue:

- Oracle PSU 12.1.0.2.160119 (21948354).
- File fuso orario DSTv25 (patch 22037014 per 12.1.0.2). 12.1.0.1 include DSTv24, patch 20875898 (invariato da 12.1.0.1.v3), perché una backport di DSTv25 non era disponibile in fase di creazione.
- È stato risolto un problema che impediva ai clienti di creare più di 10 oggetti Directory nel database.
- È stato risolto un problema che impediva ai clienti di concedere nuovamente privilegi di lettura sugli oggetti Directory ADUMP e BDUMP.

**Baseline: PSU database Oracle 12.1.0.2.160119 (patch 21948354, rilasciata a gennaio 2016)**

Bug corretti:

```
19189525, 19075256, 19141838, 19865345, 19791273, 19280225, 18845653
20951038, 19243521, 19248799, 21756699, 18988834, 19238590, 21281532
20245930, 18921743, 18799063, 19134173, 19571367, 20476175, 20925795
19018206, 20509482, 20387265, 20588502, 19149990, 18849537, 18886413
```

17551063, 19183343, 19703301, 19001390, 18202441, 19189317, 19644859  
19358317, 19390567, 19279273, 19706965, 19068970, 19619732, 20348653  
18607546, 18940497, 19670108, 19649152, 18948177, 19315691, 19676905  
18964978, 19035573, 20165574, 19176326, 20413820, 20558005, 19176223  
19532017, 20134339, 19074147, 18411216, 20361671, 20425790, 18966843  
20294666, 19307662, 19371175, 19195895, 19154375, 19468991, 19174521  
19520602, 19382851, 21875360, 19326908, 19658708, 20093776, 20618595  
21787056, 17835294, 19791377, 19068610, 20048359, 20746251, 19143550  
19185876, 19627012, 20281121, 19577410, 22092979, 19001359, 19518079  
18610915, 19490948, 18674024, 18306996, 19309466, 19081128, 19915271  
20122715, 21188532, 20284155, 18791688, 20890311, 21442094, 18973548  
19303936, 19597439, 20235511, 18964939, 19430401, 19044962, 19409212  
19879746, 20657441, 19684504, 19024808, 18799993, 20877664, 19028800  
19065556, 19723336, 19077215, 19604659, 21421886, 19524384, 19048007  
18288842, 19689979, 20446883, 18952989, 16870214, 19928926, 21526048  
19180770, 19197175, 19902195, 20318889, 19730508, 19012119, 19067244  
20074391, 19512341, 19841800, 14643995, 20331945, 19587324, 19547370  
19065677, 19637186, 21225209, 20397490, 18967382, 19174430, 18674047  
19054077, 19536415, 19708632, 19289642, 20869721, 19335438, 17365043  
18856999, 19869255, 20471920, 19468347, 21620471, 16359751, 18990693  
17890099, 19439759, 19769480, 19272708, 19978542, 20101006, 21300341  
20402832, 19329654, 19873610, 21668627, 21517440, 19304354, 19052488  
20794034, 19291380, 18681056, 19896336, 19076343, 19561643, 18618122  
20440930, 18456643, 19699191, 18909599, 19487147, 18250893, 19016730  
18743542, 20347562, 16619249, 18354830, 19687159, 19174942, 20424899  
19989009, 20688221, 20441797, 19157754, 19032777, 19058490, 19399918  
18885870, 19434529, 19018447, 18417036, 20919320, 19022470, 19284031  
20474192, 20173897, 22062026, 19385656, 19501299, 17274537, 20899461  
19440586, 16887946, 19606174, 18436647, 17655240, 19023822, 19178851  
19124589, 19805359, 19597583, 19155797, 19393542, 19050649

## Versione 12.1.0.2.v2

La versione 12.1.0.2.v2 include quanto segue:

- PSU Oracle 12.1.0.2.5 (21359755)
- Include patch ora legale, patch 20875898: DST-24, uscita dopo la PUS di aprile 2015.

## Baseline: PSU database Oracle 12.1.0.2.5 (patch 21359755, rilasciata a ottobre 2015)

### Bug corretti:

19189525, 19075256, 19865345, 19791273, 19280225, 18845653, 19248799  
19243521, 18988834, 19238590, 21281532, 18921743, 20245930, 19134173  
19571367, 20476175, 20925795, 19018206, 20387265, 19149990, 18849537  
19183343, 19703301, 19001390, 18202441, 19189317, 19644859, 19390567  
19358317, 19279273, 19706965, 19068970, 19619732, 18607546, 20348653  
18940497, 19670108, 19649152, 18948177, 19315691, 19676905, 18964978  
20165574, 19035573, 19176326, 20413820, 20558005, 19176223, 19532017  
20134339, 19074147, 18411216, 20361671, 20425790, 18966843, 20294666  
19371175, 19307662, 19195895, 19154375, 19468991, 19174521, 19520602  
19382851, 19658708, 20093776, 17835294, 19068610, 19791377, 20746251  
20048359, 19143550, 19185876, 19627012, 20281121, 19577410, 19001359  
19518079, 18610915, 18674024, 18306996, 19309466, 19081128, 19915271  
20122715, 20284155, 18791688, 21442094, 19303936, 19597439, 20235511  
18964939, 19430401, 19044962, 19409212, 20657441, 19684504, 19024808  
19028800, 19065556, 19723336, 19077215, 21421886, 19524384, 19048007  
18288842, 18952989, 16870214, 19928926, 19180770, 19197175, 19730508  
19012119, 19067244, 20074391, 19841800, 19512341, 14643995, 20331945  
19587324, 19065677, 19547370, 19637186, 21225209, 20397490, 18967382  
19174430, 18674047, 19054077, 19708632, 19536415, 19289642, 19335438  
17365043, 18856999, 20471920, 19468347, 21620471, 16359751, 18990693  
19439759, 19769480, 19272708, 19978542, 19329654, 20402832, 19873610  
19304354, 19052488, 19291380, 18681056, 19896336, 19076343, 19561643  
18618122, 20440930, 18456643, 19699191, 18909599, 19487147, 18250893  
19016730, 18743542, 20347562, 16619249, 18354830, 19687159, 19174942  
20424899, 19989009, 20688221, 20441797, 19157754, 19058490, 19032777  
19399918, 18885870, 19434529, 19018447, 18417036, 20919320, 19284031  
19022470, 20474192, 22062026, 19385656, 19501299, 17274537, 20899461  
19440586, 19606174, 18436647, 19023822, 19178851, 19124589, 19805359  
19597583, 19155797, 19393542, 19050649

## Versione 12.1.0.2.v1

La versione 12.1.0.2.v1 include quanto segue:

- PSU Oracle 12.1.0.2.3 (20299023)

- L'opzione In-Memory (In memoria) consente l'archiviazione di un subset di dati in un formato colonna in memoria ottimizzato per le prestazioni.
- Installa knowledge base Oracle Text aggiuntive da Oracle Database. Esempi di media (inglese e francese)
- Fornisce l'accesso a DBMS\_REPAIR tramite RDSADMIN.RDSADMIN\_DBMS\_REPAIR
- Concede ALTER DATABASE LINK, ALTER PUBLIC DATABASE LINK, EXEMPT ACCESS POLICY, EXEMPT IDENTITY POLICY ed EXEMPT REDACTION POLICY a utente master

### Note

Versione 12.1.0.2.v1 supporta solo Enterprise Edition.

Baseline: PSU database Oracle 12.1.0.2.3 (patch 20299023, rilasciata ad aprile 2015)

Bug corretti:

```

19189525, 19065556, 19075256, 19723336, 19077215, 19865345, 18845653
19280225, 19524384, 19248799, 18988834, 19048007, 18288842, 19238590
18921743, 18952989, 16870214, 19928926, 19134173, 19180770, 19018206
19197175, 19149990, 18849537, 19730508, 19183343, 19012119, 19001390
18202441, 19067244, 19189317, 19644859, 19358317, 19390567, 20074391
19279273, 19706965, 19068970, 19841800, 19512341, 14643995, 19619732
20348653, 18607546, 18940497, 19670108, 19649152, 19065677, 19547370
18948177, 19315691, 19637186, 19676905, 18964978, 19035573, 19176326
18967382, 19174430, 19176223, 19532017, 18674047, 19074147, 19054077
19536415, 19708632, 19289642, 20425790, 19335438, 18856999, 19371175
19468347, 19195895, 19154375, 16359751, 18990693, 19439759, 19769480
19272708, 19978542, 19329654, 19873610, 19174521, 19520602, 19382851
19658708, 19304354, 19052488, 19291380, 18681056, 19896336, 17835294
19076343, 19791377, 19068610, 19561643, 18618122, 20440930, 18456643
18909599, 19487147, 19143550, 19185876, 19016730, 18250893, 20347562
19627012, 16619249, 18354830, 19577410, 19687159, 19001359, 19174942
19518079, 18610915, 18674024, 18306996, 19309466, 19081128, 19915271
19157754, 19058490, 20284155, 18791688, 18885870, 19303936, 19434529
19018447, 18417036, 19597439, 20235511, 19022470, 18964939, 19430401
19044962, 19385656, 19501299, 17274537, 19409212, 19440586, 19606174

```

18436647, 19023822, 19684504, 19178851, 19124589, 19805359, 19024808  
19597583, 19155797, 19393542, 19050649, 19028800

# Amazon RDS per Oracle Database 11g Release 2 (11,2.0.4)

Per Amazon RDS for Oracle Database 11g Release 2 (11.2.0.4), Amazon RDS incorpora correzioni di bug di Oracle utilizzando i relativi PSU (Patch Set Update) di database trimestrali. Se applichi gli aggiornamenti, puoi essere certo che l'istanza database esegue una versione del software di database che è stata testata da Oracle e Amazon. Non supportiamo l'applicazione di patch occasionali a singole istanze database.

## Note

RDS per Oracle Database 11g non è più supportato. Queste informazioni sono utili solo se si desidera aggiornare uno snapshot Oracle Database 11g.

Per trovare quali PSU (Patch Set Update) Oracle vengono applicati a Amazon RDS per Oracle Database 11g Release 2 (11.2.0.4), consulta la tabella seguente.

Data	PSU
Ottobre 2020	<a href="#">11.2.0.4.v26</a>
Luglio 2020	<a href="#">11.2.0.4.v25</a>
Aprile 2020	<a href="#">11.2.0.4.v24</a>
Gennaio 2020	<a href="#">11.2.0.4.v23</a>
Ottobre 2019	<a href="#">11.2.0.4.v22</a>
Luglio 2019	<a href="#">11.2.0.4.v21</a>
Aprile 2019	<a href="#">11.2.0.4.v20</a>
Gennaio 2019	<a href="#">11.2.0.4.v19</a>
Ottobre 2018	<a href="#">11.2.0.4.v18</a>
Luglio 2018	<a href="#">11.2.0.4.v17</a>



Data	PSU
Aprile 2018	<a href="#">11.2.0.4.v16</a>
Gennaio 2018	<a href="#">11.2.0.4.v15</a>
Ottobre 2017	<a href="#">11.2.0.4.v14</a>
Luglio 2017	<a href="#">11.2.0.4.v13</a>
Aprile 2017	<a href="#">11.2.0.4.v12</a>
Gennaio 2017	<a href="#">11.2.0.4.v11</a>
Ottobre 2016	<a href="#">11.2.0.4.v10</a>
Luglio 2016	<a href="#">11.2.0.4.v9</a>
Aprile 2016	<a href="#">11.2.0.4.v8</a>
Gennaio 2016	<a href="#">11.2.0.4.v7</a>
Ottobre 2015	<a href="#">11.2.0.4.v6</a>
	<a href="#">11.2.0.4.v5</a>
Aprile 2015	<a href="#">11.2.0.4.v4</a>
Ottobre 2014	<a href="#">11.2.0.4.v3</a>
Luglio 2014	<a href="#">11.2.0.4.v2</a>
	(Obsoleta)
Gennaio 2014	<a href="#">11.2.0.4.v1</a>

## Versione 11.2.0.4.v26

### Important

Questa patch è attualmente disponibile solo per Oracle Database Enterprise Edition.

La versione 11.2.0.4.v26 include quanto segue:

- Patch [31.537.677](#): Oracle Database Patch Set Update 11,2.0.4.201020
- Patch [31.668.908](#): Oracle JavaVM Component 11,2.0.4.201020 Database PSU
- Patch 22188219: "L1 VALIDATION" WAIT EVENT USED TO BACK OFF WHEN HW ENQUEUE CANNOT BE ACQUIRED
- Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [32.076.719](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.201020 FOR BUGS 2.990.912 13.254.780
- Patch [24.010.393](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.6 FOR BUGS 12.897.813 21.281.961
- Patch [17031322](#): VARIABILI DI VINCOLO RESTITUITE DA OCIXMLDBREWITEXML NON PRESERVANO GLI SPAZI BIANCHI
- Patch [19.277.336](#): INTEGRATED REPLICAT INVALIDATES DEPENDENT PACKAGES RESULTING IN AN ORA-4068
- Patch [19.306.797](#): HEARTBEAT REDO IS NOT GENERATED NON-RAC HOSTS WHEN SUPPLIMENTAL LOGGING ENABLED
- Patch [19.440.386](#): FAILED TO RAISE ORA-1 FOR PK UPDATE WHEN CONSTRAINT=IMMEDIATE
- Patch [19.563.715](#): LOGMINER DOES NOT MAKE PROGRESS WHEN 4GB OR MORE MEMORY IS USED IN GOLDENGATE
- Patch [20.647.412](#): EDITION NAME LOGGED WITH KNLD SHOULD BE THE CURRENT EDITION, NOT SESSION EDITION
- Patch [26.744.595](#): LGSB:APPLY ABORTS W/ ORA-26786 (ROW-EXISTS) COLLISION WITH HCC(PR)-NO HCC(SB)
- Patch [12.668.795](#): ORA-00600: [KDUCEFA:ENDBIT] SEEN DURING XSTREAMS ONEWAY REPLICATION

- Jar di pre-aggiornamento: `preupgrade_181_cbuild_10_lf.zip`
- Supporto per l'impostazione e l'annullamento dell'impostazione degli eventi di diagnostica del sistema utilizzando le procedure incluse nel pacchetto `rdsadmin.rdsadmin_util`

Per ulteriori informazioni, consulta [Impostazione e annullamento dell'impostazione degli eventi di diagnostica del sistema](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la procedura `rdsadmin_util.truncate_apply$_cdr_info` descritta in [Integrated REPLICAT lenta a causa di una query su sys."\\_DBA\\_APPLY\\_CDR\\_INFO"](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 11.2.0.4.v26, rilasciate a novembre 2020

### Bug corretti:

```

2990912, 6599380, 8322815, 9756271, 10136473, 11733603, 11786053
11883252, 12364061, 12611721, 12668795, 12747740, 12816846, 12897813
12905058, 12982566, 13254780, 13364795, 13498382, 13558557, 13609098
13645875, 13680635, 13829543, 13837378, 13853126, 13854364, 13866822
13871092, 13936038, 13944971, 13951456, 13955826, 13960236, 14010183
14015842, 14034426, 14054676, 14084247, 14106803, 14133975, 14176370
14245531, 14285317, 14312810, 14338435, 14354737, 14368995, 14458214
14521218, 14521849, 14565184, 14602788, 14657740, 14692762, 14705949
14735792, 14764829, 14774730, 14786201, 14829250, 14852021, 15861775
15913355, 15955387, 15979965, 15990359, 16042673, 16043574, 16065166
16069901, 16091637, 16180763, 16194160, 16198143, 16220077, 16228604
16233738, 16268425, 16285691, 16306373, 16314254, 16315398, 16344544
16354467, 16360112, 16384983, 16392068, 16399083, 16410570, 16422541
16450169, 16472716, 16494615, 16524926, 16538760, 16542886, 16571443
16579084, 16595641, 16596890, 16613964, 16618694, 16668584, 16674686
16685417, 16692232, 16721594, 16731148, 16756406, 16777840, 16785708
16799735, 16819962, 16832076, 16833527, 16833845, 16837842, 16850630
16854386, 16855292, 16863422, 16870214, 16875230, 16875449, 16898135
16901385, 16903536, 16912439, 16929165, 16934803, 16941434, 16943711
16956380, 16989630, 16992075, 17006183, 17006570, 17008068, 17011832
17016369, 17019086, 17019345, 17019356, 17025461, 17027426, 17030189
17031322, 17036973, 17037130, 17040527, 17040764, 17042658, 17047404
17050888, 17056813, 17071721, 17080436, 17082359, 17082983, 17088068
17156148, 17165204, 17174582, 17184721, 17186905, 17201047, 17201159
17205719, 17208934, 17215560, 17227073, 17227277, 17231779, 17232014
17235750, 17237521, 17238511, 17239687, 17242746, 17246576, 17254374

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17258090, 17258582, 17265217, 17267114, 17274537, 17279227, 17282229  
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17341326, 17343514, 17344412, 17346091, 17346671, 17348614, 17359610  
17360606, 17365043, 17375354, 17381384, 17385178, 17389192, 17390160  
17390431, 17392698, 17393683, 17393915, 17394950, 17397545, 17432124  
17437634, 17441661, 17443671, 17446237, 17449815, 17465741, 17468141  
17477958, 17478145, 17478514, 17484731, 17484762, 17495022, 17501491  
17518652, 17528315, 17532245, 17532729, 17545847, 17546761, 17546973  
17551063, 17551674, 17551699, 17551709, 17570240, 17570606, 17571039  
17571306, 17586955, 17587063, 17588480, 17596908, 17600719, 17602269  
17610798, 17612828, 17614134, 17614227, 17621643, 17622427, 17630484  
17634921, 17643573, 17644091, 17648596, 17649265, 17655240, 17655634  
17672719, 17694209, 17695685, 17705023, 17716305, 17717883, 17721717  
17722535, 17726838, 17752121, 17752995, 17754782, 17761775, 17762296  
17767676, 17783445, 17783588, 17785870, 17786278, 17786518, 17787259  
17798953, 17801017, 17804361, 17806696, 17811429, 17811438, 17811447  
17811456, 17811789, 17816865, 17820741, 17824637, 17835048, 17835627  
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17865671, 17877323, 17883081, 17889549, 17889583, 17890099, 17891943  
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18090142, 18091059, 18092127, 18093615, 18094246, 18096714, 18098207  
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18247991, 18259031, 18260550, 18262334, 18264060, 18272672, 18273830  
18277454, 18280813, 18282562, 18293054, 18306996, 18308268, 18315328  
18316692, 18317531, 18325460, 18328509, 18331812, 18331850, 18334586  
18339044, 18356166, 18362222, 18373438, 18382302, 18384391, 18384537  
18388363, 18411336, 18413820, 18430495, 18436307, 18436647, 18440047  
18440095, 18441944, 18456514, 18458318, 18460587, 18471685, 18482502  
18492302, 18508861, 18510194, 18515268, 18522509, 18554763, 18554871  
18604493, 18604692, 18607546, 18610915, 18614015, 18619917, 18628388  
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18674024, 18674047, 18674465, 18676416, 18681862, 18682983, 18685892  
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19373893, 19374518, 19393542, 19396455, 19403858, 19429927, 19433930  
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19721304, 19727057, 19730508, 19768226, 19769489, 19777862, 19781326  
19788303, 19788842, 19791273, 19794897, 19827973, 19831647, 19835133  
19852360, 19854503, 19871910, 19888853, 19891090, 19895326, 19896336  
19909862, 19915271, 19930276, 19943771, 19972564, 19972566, 19972568  
19972569, 19972570, 20004021, 20004087, 20017509, 20023340, 20031873  
20067212, 20074391, 20134113, 20142975, 20144308, 20169408, 20175161  
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23007241, 23008056, 23026585, 23065323, 23082876, 23105538, 23115139  
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26030218, 26039623, 26078387, 26198926, 26203182, 26243698, 26245237  
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26544823, 26569225, 26575788, 26631046, 26637592, 26654363, 26667015  
26667023, 26667032, 26679352, 26716835, 26744595, 26746894, 26910644  
26999139, 27000663, 27015449, 27053456, 27072923, 27086138, 27097854  
27255377, 27351628, 27374796, 27404573, 27441326, 27461842, 27534509  
27567477, 27642235, 27710072, 27825893, 27870645, 27952577, 28000269  
28022101, 28076295, 28079127, 28100487, 28125601, 28199085, 28254374  
28305362, 28357401, 28364007, 28384353, 28394726, 28501075, 28502128  
28566241, 28612674, 28730253, 28734355, 28790634, 28806384, 28819280  
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## Versione 11.2.0.4.v25

La versione 11.2.0.4.v25 include quanto segue:

- Patch [31.103.343](#): Database Patch Set Update 11,2.0.4.200714
- Patch [31.219.953](#): Oracle JVM Component Database PSU 11,2.0.4.200714

- Patch [31.335.037](#): DSTV35 for RDBMS (TZDATA2020A)
- Patch [31.335.142](#): DSTV35 for OJVM (TZDATA2020A)
- Patch [31.596.256](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [22.188.219](#): "L1 VALIDATION" WAIT EVENT USED TO BACK OFF WHEN HW ENQUEUE CANNOT BE ACQUIRED
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Patch combinate per la versione 11.2.0.4.v25, rilasciata luglio 2020

### Bug corretti:

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## Versione 11.2.0.4.v24

La versione 11.2.0.4.v24 include quanto segue:

- Patch [30.670.774](#): Database PSU 11,2.0.4.200414
- Patch [30.805.543](#): Oracle JVM Component Database PSU 11,2.0.4.200414
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTV34 OJVM (TZDATA2019B)
- Patch [31.192.454](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [22.188.219](#): "L1 VALIDATION" WAIT EVENT USED TO BACK OFF WHEN HW ENQUEUE CANNOT BE ACQUIRED
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

- Supporto l'eliminazione del cestino

Per ulteriori informazioni, consulta [Eliminare il cestino](#) nella Guida per l'utente di Amazon RDS.

- Supporto per la generazione di report sulle prestazioni con AWR (Automatic Workload Repository) utilizzando il pacchetto `rdsadmin.rdsadmin_diagnostic_util`

Per ulteriori informazioni, consulta la sezione relativa alla [Generazione di report sulle prestazioni con AWR \(Automatic Workload Repository\)](#) nella Guida per l'utente di Amazon RDS.

## Patch combinate per la versione 11.2.0.4, rilasciata ad aprile 2020

### Bug corretti:

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## Versione 11.2.0.4.v23

La versione 11.2.0.4.v23 include quanto segue:

- Patch [30.298.532](#): Database Patch Set Update: 11,2.0.4.200114
- Patch [30.503.372](#): OJVM PATCH SET UPDATE 11,2.0.4.200114
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTV34 OJVM (TZDATA2019B)
- Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [19.440.386](#): FAILED TO RAISE ORA-1 FOR PK UPDATE WHEN CONSTRAINT=IMMEDIATE
- Patch [19.277.336](#): INTEGRATED REPLICAT INVALIDATES DEPENDENT PACKAGES RESULTING IN AN ORA-4068
- Patch [24.286.409](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.6 FOR BUGS 20.647.412 21.534.893

- Patch [24.010.393](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.6 FOR BUGS 12.897.813 21.281.961
- Patch [19.306.797](#): HEARTBEAT REDO IS NOT GENERATED NON-RAC HOSTS WHEN SUPPLIMENTAL LOGGING ENABLED
- Patch [19.563.715](#): LOGMINER DOES NOT MAKE PROGRESS WHEN 4GB OR MORE MEMORY IS USED IN GOLDENGATE
- Patch [20.425.790](#): LOGMINER PATCHES SHOULD TRANSPARENTLY FUNCTION IN A NON-PARTITIONING ENABLED DB
- Patch [17.031.322](#): 46719: OCIXMLDBREWWRITEXML RETURNED BIND VARIABLES ARE NOT WHITESPACE PRESERVING
- Patch [30.303.921](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.190416 FOR BUGS 29.879.564 14.312.810
- Patch [30.293.609](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.190416 FOR BUGS 29.600.521 23.262.847
- Patch [26.744.595](#): LGSB:APPLY ABORTS W/ ORA-26786 (ROW-EXISTS) COLLISION WITH HCC(PR)-NO HCC(SB)
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Patch Oracle 30298532, rilasciata a gennaio 2020

Bug corretti:

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## Versione 11.2.0.4.v22

La versione 11.2.0.4.v22 include quanto segue:

- Patch [29.913.194](#): DATABASE PATCH SET UPDATE 11,2.0.4.191015
- Patch [30.132.974](#): OJVM PATCH SET UPDATE 11,2.0.4.191015
- Patch [29.997.937](#): DSTv34 for RDBMS (TZDATA2019G)
- Patch [29.997.959](#): DSTV34 OJVM (TZDATA2019B)
- Oracle GoldenGate – Patch consigliate server RDBMS Oracle
- Patch [19.440.386](#): FAILED TO RAISE ORA-1 FOR PK UPDATE WHEN CONSTRAINT=IMMEDIATE
- Patch [19.277.336](#): INTEGRATED REPLICAT INVALIDATES DEPENDENT PACKAGES RESULTING IN AN ORA-4068
- Patch [24.286.409](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.6 FOR BUGS 20.647.412 21.534.893
- Patch [24.010.393](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.6 FOR BUGS 12.897.813 21.281.961
- Patch [19.306.797](#): HEARTBEAT REDO IS NOT GENERATED NON-RAC HOSTS WHEN SUPPLEMENTAL LOGGING ENABLED
- Patch [19.563.715](#): LOGMINER DOES NOT MAKE PROGRESS WHEN 4GB OR MORE MEMORY IS USED IN GOLDENGATE
- Patch [20.425.790](#): LOGMINER PATCHES SHOULD TRANSPARENTLY FUNCTION IN A NON-PARTITIONING ENABLED DB

- Patch [17.031.322](#): 46719: OCIXMLDBREWWRITEXML RETURNED BIND VARIABLES ARE NOT WHITESPACE PRESERVING
- Patch [30.303.921](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.190416 FOR BUGS 29.879.564 14.312.810
- Patch [30.293.609](#): MERGE REQUEST ON TOP OF DATABASE PSU 11,2.0.4.190416 FOR BUGS 29.600.521 23.262.847
- Patch [26.744.595](#): LGSB:APPLY ABORTS W/ ORA-26786 (ROW-EXISTS) COLLISION WITH HCC(PR)-NO HCC(SB)
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Patch Oracle 29913194, rilasciata a ottobre 2019

Bug corretti:

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## Version 11.2.0.4.v21

La versione 11.2.0.4.v21 include quanto segue:

- Patch [29.497.421](#): DATABASE PATCH SET UPDATE 11,2.0.4.190716

- Patch [29.610.422](#): OJVM PATCH SET UPDATE 11.2.0.4.190716
- Patch [28.852.325](#): DSTv33 for RDBMS (TZDATA2018G)
- Patch [28.852.334](#): DSTv33 for OJVM (TZDATA2018G)
- Patch [30.018.733](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR

## Patch Oracle 29497421, rilasciata a luglio 2019

### Bug corretti:

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## Versione 11.2.0.4.v20

La versione 11.2.0.4.v20 include quanto segue:

- Patch [29.141.056](#): DATABASE PATCH SET UPDATE 11,2.0.4.190416
- Patch [29.251.270](#): OJVM PATCH SET UPDATE 11,2.0.4.190416
- Patch [28.852.325](#): DSTv33 for RDBMS (TZDATA2018G)
- Patch [28.852.334](#): DSTv33 for OJVM (TZDATA2018G)
- Patch [29.638.593](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [28.730.253](#): SUPPORT NEW ERA REIWA FOR JAPANESE IMPERIAL CALENDAR



## Patch Oracle 22768427, rilasciata ad aprile 2019

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16285691, 19211433, 20331945, 17883081, 17705023, 24316947, 17614227  
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## Versione 11.2.0.4.v19

La versione 11.2.0.4.v19 include quanto segue:

- Patch [28.729.262](#): Oracle Database Patch Set Update 11,2.0.4.190115
- Patch [28.790.660](#): Oracle JVM Patch Set Update 11,2.0.4.190115
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [27.015.468](#): DSTv32 for OJVM (TZDATA2018E)
- Patch [27.216.420](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches

## Patch Oracle 28729262, rilasciata a gennaio 2019

Bug corretti:

17288409, 21051852, 24316947, 17811429, 17205719, 18607546, 25654936  
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25655390, 16472716, 17835048, 17050888, 17936109, 14010183, 17325413  
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17186905, 19972564, 17019345, 19699191, 18315328, 27441326, 17437634  
24570598, 22353199, 18093615, 19006849, 28806384, 17392698, 19013183  
17296856, 18674024, 26569225, 17232014, 16855292, 21051840, 14692762  
17762296, 17705023, 23294548, 22351572, 22507234, 19121551, 20324049  
21330264, 26198926, 19854503, 23315889, 26030218, 26910644, 21868720  
19309466, 27567477, 25764020, 18681862, 17365043, 17390160, 18554763  
20031873, 20558005, 24717859, 21795111, 18456514, 13955826, 16306373  
18139690, 17501491, 17752121, 17299889, 21668627, 23713236, 24652769  
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19211433, 19888853, 25914276, 24563422, 17951233, 18094246, 17649265  
19615136, 17011832, 17477958, 16870214, 18522509, 20631274, 16091637  
17323222, 16595641, 16524926, 18228645, 17484731, 18282562, 17596908  
18272672, 18031668, 17156148, 16494615, 22683225, 20869721, 17545847  
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27374796, 16392068, 18440095, 19271443, 21351877, 20513399, 18092127  
17614227, 18440047, 18849970, 14106803, 16903536, 20725343, 18973907  
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19718981, 17291347, 17892268, 11733603, 16285691, 17587063, 21343775  
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19777862, 17824637, 23065323, 21656630, 19697993, 17903598, 16571443  
18306996, 18166013, 19578350, 14852021, 18674047, 17853456, 12364061  
24411921, 19207117, 22195448

## Versione 11.2.0.4.v18

La versione 11.2.0.4.v18 include quanto segue:

- Patch [28.204.707](#): Oracle Database Patch Set Update 11,2.0.4.181016
- Patch [28.440.700](#): Oracle JVM Patch Set Update 11,2.0.4.181016
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [27.015.468](#): DSTv32 for OJVM (TZDATA2018E)
- Patch [27.216.420](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Le patch 27659043 e 19692824 ora sono incluse nel Patch Set Update del database

## Patch Oracle 28204707, rilasciata a ottobre 2018

Bug corretti:

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18641419, 18262334, 25600421, 17006183, 16065166, 18277454, 18685892
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## Versione 11.2.0.4.v17

La versione 11.2.0.4.v17 include quanto segue:

- Patch [27.734.982](#): Oracle Database Patch Set Update 11,2.0.4.180717
- Patch [27.923.163](#): Oracle JVM Patch Set Update 11,2.0.4.180717
- Patch [28.125.601](#): DSTv32 for RDBMS (TZDATA2018E)
- Patch [27.015.468](#): DSTv32 for OJVM (TZDATA2018E)
- Patch [27.216.420](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [27.659.043](#): MES Bundle 405
- Patch [19.692.824](#): DBCONTROL is not coming up on OEL 7



## Patch Oracle 27734982, rilasciata a luglio 2018

### Bug corretti:

17288409, 21051852, 24316947, 17811429, 17205719, 18607546, 25654936  
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17903598, 16571443, 18306996, 19578350, 14852021, 17853456, 18674047  
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## Versione 11.2.0.4.v16

La versione 11.2.0.4.v16 include quanto segue:

- Patch [27.338.049](#): DATABASE PATCH SET UPDATE 11,2.0.4.180417
- Patch [27.475.598](#): OJVM PATCH SET UPDATE 11,2.0.4.180417
- Patch [27.015.449](#): RDBMS - PROACTIVE DSTV31 UPDATE - TZDATA2017C
- Patch [27.015.468](#): PROACTIVE DSTV31 UPDATE - TZDATA2017C - NEED OJVM FIX
- Patch [27.216.420](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [27.659.043](#): MES 405 BUNDLE ON TOP OF RDBMS 11,2.0.4.180116 PSU
- Patch [19.692.824](#): DBCONTROL is not coming up on OEL 7
- Supporto per il pacchetto DBMS\_ADVANCED\_REWRITE
- È stato corretto un bug dove DBA\_LOCKS e visualizzazioni associate disponibili nelle nuove istanze database di 11.2.0.4.v15 non sono state create negli aggiornamenti a 11.2.0.4.v15. Le visualizzazioni sono ora create in istanze database nuove e aggiornate di 11.2.0.4.v16 e versioni successive.

## Patch Oracle 27338049, rilasciata ad aprile 2018

Bug corretti:

21174504, 17184721, 21538558, 16091637, 18092127, 17381384, 15979965  
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## Versione 11.2.0.4.v15

La versione 11.2.0.4.v15 include quanto segue:

- Patch [26.925.576](#): DATABASE PATCH SET UPDATE 11,2.0.4.180116
- Patch [26.925.532](#): OJVM PATCH SET UPDATE 11,2.0.4.180116
- Patch [27.015.449](#): RDBMS - PROACTIVE DSTV31 UPDATE - TZDATA2017C
- Patch [27.015.468](#): PROACTIVE DSTV31 UPDATE - TZDATA2017C - NEED OJVM FIX
- Patch [27.216.420](#): Oracle GoldenGate - Oracle RDBMS Server Recommended Patches
- Patch [27.244.661](#): MES 405 BUNDLE ON TOP OF RDBMS 11,2.0.4.180116 PSU

- Patch [19.692.824](#): DBCONTROL is not coming up on OEL 7
- Supporto per DBA\_LOCKS e visualizzazioni associate

## Patch Oracle 26925576, rilasciata a gennaio 2018

### Bug corretti:

17288409, 21051852, 24316947, 17811429, 17205719, 18607546, 25654936  
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18441944, 16450169, 9756271, 17892268, 11733603, 16285691, 17587063

21343775, 18180390, 26474853, 16538760, 18193833, 21387964, 21051833  
17238511, 19777862, 23065323, 17824637, 16571443, 17903598, 18306996  
19578350, 14852021, 17853456, 18674047, 12364061, 19207117, 24411921, 22195448

## Versione 11.2.0.4.v14

La versione 11.2.0.4.v14 include quanto segue:

- PSU Oracle ottobre 2017, una combinazione di PSU database (patch 26392168) + PSU componente OJVM (patch 26635834)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 26950781)
- RSA Micro-Edition Suite Bundle (patch 26963526)
- File fuso orario DSTv30 (patch 25881255, OJVM patch 25881271)

## Patch Oracle 26392168, rilasciata a ottobre 2017

Bug corretti:

17288409, 21051852, 24316947, 17811429, 17205719, 18607546, 25654936  
20506699, 17816865, 25957038, 23330119, 17922254, 17754782, 13364795  
16934803, 17311728, 20387265, 17284817, 17441661, 24560906, 16992075  
17446237, 14015842, 19972569, 21756677, 17375354, 21538558, 20925795  
17449815, 26575788, 19463897, 13866822, 17235750, 17982555, 17478514  
18317531, 14338435, 18235390, 20803583, 19461270, 13944971, 20142975  
17811789, 16929165, 18704244, 24662775, 20506706, 17546973, 20334344  
25489607, 14054676, 17088068, 17346091, 18264060, 17343514, 21538567  
19680952, 18471685, 19211724, 21132297, 13951456, 21847223, 16315398  
18744139, 16850630, 23177648, 19049453, 18673304, 17883081, 19915271  
18641419, 18262334, 25600421, 17006183, 16065166, 18277454, 16833527  
10136473, 18051556, 17865671, 17852463, 18554871, 17853498, 18334586  
20879889, 17551709, 17588480, 19827973, 17344412, 17842825, 18828868  
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18316692, 22195457, 17313525, 12611721, 19544839, 18964939, 26667015  
17600719, 18191164, 19393542, 17571306, 20777150, 18482502, 19466309  
22243719, 17040527, 17165204, 18098207, 16785708, 17465741, 16180763  
17174582, 12982566, 16777840, 19463893, 22195465, 16875449, 22148226  
12816846, 17237521, 6599380, 19358317, 17811438, 25505394, 17811447  
17945983, 21983325, 18762750, 16912439, 17184721, 18061914, 17282229



18331850, 18202441, 17082359, 18723434, 21532755, 21972320, 19554106  
25505371, 14034426, 18339044, 19458377, 17752995, 20448824, 17891943  
17258090, 17767676, 16668584, 18384391, 17040764, 17381384, 15913355  
18356166, 14084247, 20596234, 20506715, 21756661, 13853126, 18203837  
14245531, 16043574, 21756699, 22195441, 17848897, 17877323, 19272701  
21453153, 20569094, 17468141, 20861693, 17786518, 17912217, 17037130  
16956380, 18155762, 17478145, 17394950, 18641461, 18189036, 18619917  
17027426, 21352646, 16268425, 24476274, 22195492, 19584068, 26544823  
18436307, 22507210, 17265217, 17634921, 13498382, 19469538, 21526048  
19258504, 18043064, 20004087, 17443671, 22195485, 18000422, 20004021  
22321756, 17571039, 21067387, 16832076, 22905130, 16344544, 21429602  
18009564, 14354737, 21286665, 18135678, 14521849, 18614015, 20441797  
18362222, 25655390, 16472716, 17835048, 17050888, 17936109, 14010183  
17325413, 18747196, 17761775, 16721594, 17082983, 20067212, 21179898  
17302277, 18084625, 24624166, 15990359, 26746894, 24842886, 23026585  
18203835, 17297939, 17811456, 16731148, 22380919, 21168487, 14133975  
13829543, 17215560, 17694209, 17385178, 18091059, 8322815, 18259031  
19689979, 17586955, 17201159, 17655634, 18331812, 19730508, 18868646  
17648596, 16220077, 16069901, 17348614, 17393915, 17957017, 17274537  
18096714, 17308789, 18436647, 14285317, 19289642, 14764829, 17622427  
18328509, 16943711, 22195477, 14368995, 22502493, 17346671, 18996843  
17783588, 21343838, 16618694, 17672719, 18856999, 18783224, 17851160  
17546761, 22168163, 17798953, 18273830, 22092979, 16596890, 19972566  
20828947, 13871092, 26667023, 17726838, 16384983, 22296366, 17360606  
22321741, 13645875, 25879656, 18199537, 16542886, 21787056, 17889549  
14565184, 20475845, 21281607, 17071721, 17610798, 20299015, 21343897  
22893153, 20657441, 17397545, 18230522, 16360112, 19769489, 12905058  
18641451, 12747740, 18430495, 25423453, 17016369, 17042658, 14602788  
17551063, 19972568, 21517440, 19788842, 18508861, 14657740, 17332800  
13837378, 17186905, 19972564, 19699191, 18315328, 17437634, 22353199  
18093615, 19006849, 19013183, 17296856, 18674024, 17232014, 16855292  
17762296, 14692762, 21051840, 17705023, 23294548, 22507234, 19121551  
21330264, 26198926, 19854503, 23315889, 26030218, 21868720, 19309466  
18681862, 17365043, 20558005, 18554763, 17390160, 18456514, 16306373  
13955826, 18139690, 17501491, 17752121, 21668627, 17299889, 23713236  
24652769, 17889583, 18673325, 22551446, 19721304, 18293054, 17242746  
19211433, 19888853, 17951233, 18094246, 17649265, 19615136, 17011832  
16870214, 17477958, 18522509, 20631274, 16091637, 17323222, 16595641  
16524926, 18228645, 18282562, 17596908, 18031668, 17156148, 16494615  
22683225, 20869721, 17545847, 25093656, 17655240, 24528741, 17614134  
25427662, 13558557, 17341326, 17891946, 17716305, 22657942, 18440095  
16392068, 19271443, 21351877, 18092127, 17614227, 18440047, 18849970  
16903536, 14106803, 18973907, 18673342, 17389192, 25505382, 19032867  
17612828, 16194160, 17006570, 25369547, 25505407, 16685417, 17721717

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17390431, 17570240, 16863422, 18325460, 17008068, 19727057, 16422541
19972570, 17267114, 18244962, 21538485, 18203838, 18765602, 16198143
17246576, 14829250, 17835627, 18247991, 14458214, 21051862, 17786278
16692232, 17227277, 24476265, 16042673, 16314254, 19285025, 16228604
16837842, 20144308, 17393683, 23536835, 25823754, 18899974, 17787259
24719736, 20331945, 19490948, 20074391, 15861775, 16399083, 25947799
18018515, 22683212, 21051858, 18260550, 17080436, 16613964, 17036973
16579084, 24433711, 18384537, 18280813, 20296213, 16901385, 15979965
23330124, 18441944, 16450169, 9756271, 17892268, 11733603, 16285691
17587063, 21343775, 26474853, 18180390, 16538760, 18193833, 21387964
21051833, 17238511, 19777862, 23065323, 17824637, 17903598, 16571443
18306996, 19578350, 14852021, 17853456, 18674047, 12364061, 24411921
19207117, 22195448
```

## Versione 11.2.0.4.v13

La versione 11.2.0.4.v13 include quanto segue:

- PSU Oracle luglio 2017, una combinazione di PSU database (patch 26609445) + PSU componente OJVM (patch 26027154)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 26554712)
- RSA Micro-Edition Suite Bundle (patch 26770426)
- File fuso orario DSTv30 (patch 25881255, OJVM patch 25881271)
- Supporto per la convalida dei file di istanza DB con l'utilità di convalida RMAN logica

Per ulteriori informazioni, consulta la pagina relativa a [Convalida dei file di istanze database](#) nella Guida per l'utente di Amazon RDS.

- Supporto per l'impostazione dell'edizione predefinita per un'istanza database

Per ulteriori informazioni, vedere [Impostazione dell'edizione predefinita per un'istanza DB](#) in Guida per l'utente di Amazon RDS.

## Patch Oracle 26609445, rilasciata a luglio 2017

Bug corretti:

```
17288409, 21051852, 24316947, 17811429, 17205719, 18607546, 20506699
```

17816865, 25957038, 23330119, 17922254, 17754782, 13364795, 16934803  
17311728, 20387265, 17284817, 17441661, 24560906, 16992075, 17446237  
14015842, 19972569, 21756677, 17375354, 21538558, 20925795, 17449815  
26575788, 19463897, 13866822, 17235750, 17982555, 17478514, 18317531  
14338435, 18235390, 20803583, 19461270, 13944971, 20142975, 17811789  
16929165, 18704244, 20506706, 17546973, 20334344, 14054676, 17088068  
17346091, 18264060, 17343514, 21538567, 19680952, 18471685, 19211724  
13951456, 21847223, 16315398, 18744139, 16850630, 23177648, 19049453  
18673304, 17883081, 19915271, 18641419, 18262334, 25600421, 17006183  
16065166, 18277454, 16833527, 10136473, 18051556, 17865671, 17852463  
18554871, 17853498, 18334586, 20879889, 17551709, 17588480, 19827973  
17344412, 17842825, 18828868, 20509482, 17025461, 11883252, 13609098  
17239687, 17602269, 19197175, 18316692, 22195457, 17313525, 12611721  
19544839, 18964939, 17600719, 18191164, 19393542, 17571306, 20777150  
18482502, 19466309, 22243719, 17040527, 17165204, 18098207, 16785708  
17465741, 16180763, 17174582, 12982566, 16777840, 19463893, 22195465  
16875449, 22148226, 12816846, 17237521, 6599380, 19358317, 17811438  
25505394, 17811447, 17945983, 21983325, 18762750, 16912439, 17184721  
18061914, 17282229, 18331850, 18202441, 17082359, 18723434, 21972320  
19554106, 25505371, 14034426, 18339044, 19458377, 17752995, 20448824  
17891943, 17258090, 17767676, 16668584, 18384391, 17040764, 17381384  
15913355, 18356166, 14084247, 20596234, 20506715, 21756661, 13853126  
18203837, 14245531, 16043574, 21756699, 22195441, 17848897, 17877323  
21453153, 17468141, 20861693, 17786518, 17912217, 17037130, 16956380  
18155762, 17478145, 17394950, 18641461, 18189036, 18619917, 17027426  
21352646, 16268425, 24476274, 22195492, 19584068, 26544823, 18436307  
22507210, 17265217, 17634921, 13498382, 19469538, 21526048, 19258504  
18043064, 20004087, 17443671, 22195485, 18000422, 20004021, 22321756  
17571039, 21067387, 16832076, 22905130, 16344544, 18009564, 14354737  
21286665, 18135678, 14521849, 18614015, 20441797, 18362222, 25655390  
16472716, 17835048, 17050888, 17936109, 14010183, 17325413, 18747196  
17761775, 16721594, 17082983, 20067212, 21179898, 17302277, 18084625  
15990359, 24842886, 18203835, 17297939, 17811456, 16731148, 22380919  
21168487, 14133975, 13829543, 17215560, 17694209, 17385178, 18091059  
8322815, 18259031, 19689979, 17586955, 17201159, 17655634, 18331812  
19730508, 18868646, 17648596, 16220077, 16069901, 17348614, 17393915  
17957017, 17274537, 18096714, 17308789, 18436647, 14285317, 19289642  
14764829, 17622427, 18328509, 16943711, 22195477, 14368995, 22502493  
17346671, 18996843, 17783588, 21343838, 16618694, 17672719, 18856999  
18783224, 17851160, 17546761, 22168163, 17798953, 18273830, 22092979  
16596890, 19972566, 13871092, 17726838, 16384983, 22296366, 17360606  
22321741, 13645875, 25879656, 18199537, 16542886, 21787056, 17889549  
14565184, 17071721, 17610798, 20299015, 21343897, 22893153, 20657441  
17397545, 18230522, 16360112, 19769489, 12905058, 18641451, 12747740

18430495, 25423453, 17016369, 17042658, 14602788, 17551063, 19972568  
21517440, 19788842, 18508861, 14657740, 17332800, 13837378, 17186905  
19972564, 19699191, 18315328, 17437634, 22353199, 18093615, 19006849  
19013183, 17296856, 18674024, 17232014, 16855292, 17762296, 14692762  
21051840, 17705023, 22507234, 19121551, 21330264, 19854503, 26030218  
21868720, 19309466, 18681862, 17365043, 20558005, 18554763, 17390160  
18456514, 16306373, 13955826, 18139690, 17501491, 17752121, 21668627  
17299889, 17889583, 18673325, 19721304, 18293054, 17242746, 19888853  
17951233, 18094246, 17649265, 19615136, 17011832, 16870214, 17477958  
18522509, 20631274, 16091637, 17323222, 16595641, 16524926, 18228645  
18282562, 17596908, 18031668, 17156148, 16494615, 22683225, 17545847  
25093656, 17655240, 24528741, 17614134, 25427662, 13558557, 17341326  
17891946, 17716305, 22657942, 18440095, 16392068, 19271443, 21351877  
18092127, 17614227, 18440047, 16903536, 14106803, 18973907, 18673342  
17389192, 25505382, 19032867, 17612828, 16194160, 17006570, 25369547  
25505407, 16685417, 17721717, 17390431, 17570240, 16863422, 18325460  
19727057, 16422541, 19972570, 17267114, 18244962, 21538485, 18203838  
18765602, 16198143, 17246576, 14829250, 17835627, 18247991, 14458214  
21051862, 16692232, 17786278, 17227277, 24476265, 16042673, 16314254  
16228604, 16837842, 17393683, 23536835, 25823754, 18899974, 17787259  
20331945, 20074391, 15861775, 16399083, 18018515, 22683212, 21051858  
18260550, 17080436, 16613964, 17036973, 16579084, 24433711, 18384537  
18280813, 20296213, 16901385, 15979965, 23330124, 18441944, 16450169  
9756271, 17892268, 11733603, 16285691, 17587063, 21343775, 18180390  
16538760, 18193833, 21387964, 21051833, 17238511, 19777862, 17824637  
16571443, 18306996, 19578350, 14852021, 17853456, 18674047, 12364061  
24411921, 19207117, 22195448

## Versione 11.2.0.4.v12

La versione 11.2.0.4.v12 include quanto segue:

- Patch Oracle 25440428, una combinazione di PSU database (patch 24732075) + PSU componente OJVM (patch 25434033)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 25734992)
- Bundle MES (patch 24975421 per 11.2.0.4)
- File fuso orario DSTv28 (patch 24701840)
- Supporto per il pacchetto DBMS\_CHANGE\_NOTIFICATION
- Supporto per pacchetti e visualizzazioni XSTREAM (potrebbe richiedere licenze aggiuntive)

## Patch Oracle 24732075, rilasciata ad aprile 2017

### Bug corretti:

17288409, 21051852, 24316947, 17811429, 17205719, 18607546, 20506699  
17816865, 17922254, 23330119, 17754782, 16934803, 13364795, 17311728  
17284817, 17441661, 24560906, 16992075, 17446237, 14015842, 19972569  
21756677, 17375354, 20925795, 21538558, 17449815, 19463897, 13866822  
17235750, 17982555, 17478514, 18317531, 14338435, 18235390, 20803583  
13944971, 20142975, 17811789, 16929165, 18704244, 20506706, 17546973  
20334344, 14054676, 17088068, 17346091, 18264060, 17343514, 21538567  
19680952, 18471685, 19211724, 13951456, 21847223, 16315398, 18744139  
16850630, 23177648, 19049453, 18673304, 17883081, 19915271, 18641419  
18262334, 17006183, 16065166, 18277454, 16833527, 10136473, 18051556  
17865671, 17852463, 18554871, 17853498, 18334586, 17551709, 17588480  
19827973, 17344412, 17842825, 18828868, 17025461, 11883252, 13609098  
17239687, 17602269, 19197175, 18316692, 22195457, 17313525, 12611721  
19544839, 18964939, 17600719, 18191164, 19393542, 17571306, 20777150  
18482502, 19466309, 22243719, 17040527, 17165204, 18098207, 16785708  
17465741, 17174582, 16180763, 12982566, 16777840, 19463893, 22195465  
16875449, 12816846, 22148226, 17237521, 6599380, 19358317, 25505394  
17811438, 17811447, 17945983, 21983325, 18762750, 16912439, 17184721  
18061914, 17282229, 18331850, 18202441, 17082359, 18723434, 21972320  
19554106, 25505371, 14034426, 18339044, 19458377, 17752995, 20448824  
17891943, 17258090, 17767676, 16668584, 18384391, 17040764, 17381384  
15913355, 18356166, 14084247, 20596234, 20506715, 21756661, 13853126  
18203837, 14245531, 16043574, 21756699, 22195441, 17848897, 17877323  
21453153, 17468141, 20861693, 17786518, 17912217, 17037130, 16956380  
18155762, 17478145, 17394950, 18641461, 18189036, 18619917, 17027426  
21352646, 16268425, 24476274, 22195492, 19584068, 18436307, 22507210  
17265217, 17634921, 13498382, 21526048, 19258504, 20004087, 17443671  
22195485, 18000422, 22321756, 20004021, 17571039, 21067387, 22905130  
16344544, 18009564, 14354737, 21286665, 18135678, 18614015, 20441797  
18362222, 17835048, 16472716, 17936109, 17050888, 14010183, 17325413  
18747196, 17761775, 16721594, 17082983, 20067212, 21179898, 17302277  
18084625, 15990359, 24842886, 18203835, 17297939, 17811456, 22380919  
16731148, 21168487, 14133975, 13829543, 17215560, 17694209, 17385178  
18091059, 8322815, 17586955, 17201159, 17655634, 18331812, 19730508  
18868646, 17648596, 16220077, 16069901, 17348614, 17393915, 17274537  
17957017, 18096714, 17308789, 18436647, 14285317, 19289642, 14764829  
17622427, 18328509, 16943711, 22195477, 14368995, 22502493, 17346671  
18996843, 17783588, 21343838, 16618694, 17672719, 18856999, 18783224

17851160, 17546761, 17798953, 18273830, 22092979, 16596890, 19972566  
16384983, 17726838, 22296366, 17360606, 22321741, 13645875, 18199537  
16542886, 21787056, 17889549, 14565184, 17071721, 17610798, 20299015  
21343897, 22893153, 20657441, 17397545, 18230522, 16360112, 19769489  
12905058, 18641451, 12747740, 18430495, 17016369, 17042658, 14602788  
17551063, 19972568, 21517440, 18508861, 19788842, 14657740, 17332800  
13837378, 19972564, 17186905, 18315328, 19699191, 17437634, 22353199  
18093615, 19006849, 19013183, 17296856, 18674024, 17232014, 16855292  
17762296, 14692762, 21051840, 17705023, 22507234, 19121551, 21330264  
19854503, 21868720, 19309466, 18681862, 20558005, 18554763, 17390160  
18456514, 16306373, 13955826, 18139690, 17501491, 17752121, 21668627  
17299889, 17889583, 18673325, 19721304, 18293054, 17242746, 17951233  
18094246, 17649265, 19615136, 17011832, 16870214, 17477958, 18522509  
20631274, 16091637, 17323222, 16595641, 16524926, 18228645, 18282562  
17596908, 18031668, 17156148, 16494615, 22683225, 17545847, 25093656  
17655240, 24528741, 17614134, 13558557, 17341326, 17891946, 17716305  
22657942, 18440095, 16392068, 19271443, 21351877, 18092127, 17614227  
18440047, 16903536, 14106803, 18973907, 18673342, 25505382, 19032867  
17389192, 17612828, 16194160, 17006570, 25369547, 25505407, 17721717  
17390431, 17570240, 16863422, 18325460, 19727057, 16422541, 19972570  
17267114, 18244962, 21538485, 18765602, 18203838, 16198143, 17246576  
14829250, 17835627, 18247991, 14458214, 21051862, 16692232, 17786278  
17227277, 24476265, 16042673, 16314254, 16228604, 16837842, 17393683  
23536835, 17787259, 20331945, 20074391, 15861775, 16399083, 18018515  
22683212, 18260550, 21051858, 17080436, 16613964, 17036973, 16579084  
24433711, 18384537, 18280813, 20296213, 16901385, 15979965, 23330124  
18441944, 16450169, 9756271, 17892268, 11733603, 16285691, 17587063  
21343775, 18180390, 16538760, 18193833, 21387964, 21051833, 17238511  
17824637, 16571443, 18306996, 14852021, 17853456, 18674047, 12364061  
24411921, 22195448

## Versione 11.2.0.4.v11

La versione 11.2.0.4.v11 include quanto segue:

- Patch Oracle 24918033, una combinazione di PSU database (patch 24006111) + PSU componente OJVM (patch 24917954)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 24491261)
- Bundle MES (patch 24975421 per 11.2.0.4)

## Patch Oracle 24918033, rilasciata a gennaio 2017

### Bug corretti:

18933818, 19176885, 17201047, 25067795, 14774730, 19153980, 21911849  
23727132, 18166577, 24448240, 17056813, 21811517, 19909862, 22675136  
24534298, 19895326, 22253904, 17804361, 19231857, 17528315, 19058059  
19554117, 19007266, 17285560, 22670385, 18458318, 19187988, 23265914  
19006757, 19374518, 19223010, 25076732, 22118835, 19852360, 20408829  
21047766, 21566944,  
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18856999, 18783224, 17851160, 17546761, 17798953, 18273830, 22092979  
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18325460, 19727057, 16422541, 19972570, 17267114, 18244962, 21538485  
18765602, 18203838, 16198143, 17246576, 14829250, 17835627, 18247991  
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16314254, 16228604, 16837842, 17393683, 23536835, 17787259, 20331945  
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17080436, 16613964, 17036973, 16579084, 24433711, 18384537, 18280813  
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18193833, 21387964, 21051833, 17238511, 17824637, 16571443, 18306996  
14852021, 17853456, 18674047, 12364061, 22195448

## Versione 11.2.0.4.v10

La versione 11.2.0.4.v10 include quanto segue:

- Patch Oracle 24436313, una combinazione di PSU database (patch 24006111) + PSU componente OJVM (patch 24315821)



- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 24491261)
- Bundle MES (patch 24975421 per 11.2.0.4)

Baseline: PSU database Oracle 11.2.0.4.161018 (patch 24006111, rilasciata a ottobre 2016)

Bug corretti:

17288409, 21051852, 24316947, 17811429, 18607546, 17205719, 20506699  
17816865, 17922254, 23330119, 17754782, 16934803, 13364795, 17311728  
17441661, 17284817, 16992075, 17446237, 14015842, 19972569, 21756677  
17375354, 20925795, 21538558, 17449815, 19463897, 13866822, 17235750  
17982555, 17478514, 18317531, 14338435, 18235390, 20803583, 13944971  
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17602269, 19197175, 22195457, 18316692, 17313525, 12611721, 19544839  
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22195492, 19584068, 18436307, 22507210, 17265217, 17634921, 13498382  
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19121551, 21330264, 19854503, 21868720, 19309466, 18681862, 20558005  
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17477958, 18522509, 20631274, 16091637, 17323222, 16595641, 16524926  
18228645, 18282562, 17596908, 18031668, 17156148, 16494615, 22683225  
17545847, 17655240, 24528741, 17614134, 13558557, 17341326, 17891946  
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18440047, 16903536, 14106803, 18973907, 18673342, 19032867, 17389192  
17612828, 16194160, 17006570, 17721717, 17390431, 17570240, 16863422  
18325460, 19727057, 16422541, 19972570, 17267114, 18244962, 21538485  
18765602, 18203838, 16198143, 17246576, 14829250, 17835627, 18247991  
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16314254, 16228604, 16837842, 17393683, 23536835, 17787259, 20331945  
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17892268, 11733603, 16285691, 17587063, 21343775, 18180390, 16538760  
18193833, 21387964, 21051833, 17238511, 17824637, 16571443, 18306996  
14852021, 17853456, 18674047, 12364061, 22195448

## Versione 11.2.0.4.v9

La versione 11.2.0.4.v9 include quanto segue:

- Patch Oracle 23615392, una combinazione di PSU database (patch 23054359) + PSU componente OJVM (patch 23177551)

- File fuso orario DSTv26 (patch 22873635 per 11.2.0.4)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 24320398 per 11.2.0.4.160719)
- Bundle MES (patch 22695784 per 11.2.0.4)
- Aggiunta la possibilità di creare funzioni di verifica password personalizzate.

Per ulteriori informazioni, consulta [Creazione di funzioni personalizzate per verificare le password](#) nella Guida per l'utente di Amazon RDS.

- È stato corretto un bug che impediva la ricompilazione implicita di visualizzazioni di proprietà di SYS

**Baseline: PSU database Oracle 11.2.0.4.160719 (patch 23054359, rilasciata a luglio 2016)**

Bug corretti:

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17288409, 21051852, 17811429, 18607546, 17205719, 20506699, 17816865
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17478514, 18317531, 14338435, 18235390, 20803583, 13944971, 20142975
17811789, 16929165, 18704244, 20506706, 17546973, 20334344, 14054676
17088068, 17346091, 18264060, 17343514, 21538567, 19680952, 18471685
19211724, 13951456, 21847223, 16315398, 18744139, 16850630, 23177648
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19721304, 18293054, 17242746, 17951233, 18094246, 17649265, 19615136  
17011832, 16870214, 17477958, 18522509, 20631274, 16091637, 17323222  
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18765602, 18203838, 16198143, 17246576, 14829250, 17835627, 18247991  
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18674047, 12364061, 22195448

## Versione 11.2.0.4.v8

La versione 11.2.0.4.v8 include quanto segue:

- PSU Oracle 11.2.0.4.160419 (22502456)
- File fuso orario DSTv25 (patch 22037014)
- Patch RDBMS consigliate da Oracle per Oracle GoldenGate (patch 22576728)
- Bundle MES (patch 22695784 per 11.2.0.4)
- Aggiunge la possibilità per l'utente master di concedere privilegi su oggetti SYS con l'opzione di concessione utilizzando la procedura RDSADMIN.RDSADMIN\_UTIL.GRANT\_SYS\_OBJECT
- Aggiunge privilegi utente master per supportare gli schemi più comuni creati da Repository Creation Utility (RCU) di Oracle Fusion Middleware

**Baseline: PSU database Oracle 11.2.0.4.160419 (patch 22502456, rilasciata ad aprile 2016)**

Bug corretti:

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17288409, 21051852, 17811429, 18607546, 17205719, 20506699, 17816865
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18316692, 17313525, 12611721, 19544839, 18964939, 17600719, 18191164
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21179898, 17302277, 18084625, 15990359, 18203835, 17297939, 17811456  
16731148, 21168487, 13829543, 17215560, 14133975, 17694209, 17385178  
18091059, 8322815, 17586955, 17201159, 17655634, 18331812, 19730508  
18868646, 17648596, 16220077, 16069901, 17348614, 17393915, 17274537  
17957017, 18096714, 17308789, 18436647, 14285317, 19289642, 14764829  
18328509, 17622427, 22195477, 16943711, 22502493, 14368995, 17346671  
18996843, 17783588, 21343838, 16618694, 17672719, 18856999, 18783224  
17851160, 17546761, 17798953, 18273830, 22092979, 16596890, 19972566  
16384983, 17726838, 17360606, 22321741, 13645875, 18199537, 16542886  
21787056, 17889549, 14565184, 17071721, 17610798, 20299015, 21343897  
22893153, 20657441, 17397545, 18230522, 16360112, 19769489, 12905058  
18641451, 12747740, 18430495, 17016369, 17042658, 14602788, 17551063  
19972568, 21517440, 18508861, 19788842, 14657740, 17332800, 13837378  
19972564, 17186905, 18315328, 19699191, 17437634, 22353199, 18093615  
19006849, 19013183, 17296856, 18674024, 17232014, 16855292, 17762296  
14692762, 21051840, 17705023, 19121551, 21330264, 19854503, 21868720  
19309466, 18681862, 18554763, 20558005, 17390160, 18456514, 16306373  
13955826, 18139690, 17501491, 17752121, 21668627, 17299889, 17889583  
18673325, 19721304, 18293054, 17242746, 17951233, 17649265, 18094246  
19615136, 17011832, 16870214, 17477958, 18522509, 20631274, 16091637  
17323222, 16595641, 16524926, 18228645, 18282562, 17596908, 17156148  
18031668, 16494615, 22683225, 17545847, 17655240, 17614134, 13558557  
17341326, 17891946, 17716305, 16392068, 19271443, 21351877, 18092127  
18440047, 17614227, 14106803, 16903536, 18973907, 18673342, 19032867  
17389192, 17612828, 16194160, 17006570, 17721717, 17390431, 17570240  
16863422, 18325460, 19727057, 16422541, 19972570, 17267114, 18244962  
21538485, 18765602, 18203838, 16198143, 17246576, 14829250, 17835627  
18247991, 14458214, 21051862, 16692232, 17786278, 17227277, 16042673  
16314254, 16228604, 16837842, 17393683, 17787259, 20331945, 20074391  
15861775, 16399083, 18018515, 22683212, 18260550, 21051858, 17036973  
16613964, 17080436, 16579084, 18384537, 18280813, 20296213, 16901385  
15979965, 18441944, 16450169, 9756271, 17892268, 11733603, 16285691  
17587063, 21343775, 16538760, 18180390, 18193833, 21387964, 21051833  
17238511, 17824637, 16571443, 18306996, 14852021, 18674047, 17853456  
12364061, 22195448

## Versione 11.2.0.4.v7

La versione 11.2.0.4.v7 include quanto segue:

- PSU Oracle 11.2.0.4.160119 (21948347)
- File fuso orario DSTv25 - patch 22037014 per 11.2.0.4 e 12.1.0.2 (12.1.0.1 include DSTv24, patch 20875898 (invariato da 12.1.0.1.v3), perché una backport di DSTv25 non era disponibile in fase di creazione)
- È stato risolto un problema che impediva ai clienti di creare più di 10 oggetti Directory nel database
- È stato risolto un problema che impediva ai clienti di concedere nuovamente privilegi di lettura sugli oggetti Directory ADUMP e BDUMP

**Baseline: PSU database Oracle 11.2.0.4.160119 (patch 21948347, rilasciata a gennaio 2016)**

Bug corretti:

```
17288409, 21051852, 18607546, 17205719, 17811429, 17816865, 20506699
17922254, 17754782, 16934803, 13364795, 17311728, 17441661, 17284817
16992075, 17446237, 14015842, 19972569, 17449815, 21538558, 20925795
17375354, 19463897, 17982555, 17235750, 13866822, 17478514, 18317531
18235390, 14338435, 20803583, 13944971, 20142975, 17811789, 16929165
18704244, 20506706, 17546973, 20334344, 14054676, 17088068, 18264060
17346091, 17343514, 21538567, 19680952, 18471685, 19211724, 13951456
21847223, 16315398, 18744139, 16850630, 19049453, 18673304, 17883081
19915271, 18641419, 18262334, 17006183, 16065166, 18277454, 16833527
10136473, 18051556, 17865671, 17852463, 18554871, 17853498, 18334586
17588480, 17551709, 19827973, 17842825, 17344412, 18828868, 17025461
11883252, 13609098, 17239687, 17602269, 19197175, 22195457, 18316692
17313525, 12611721, 19544839, 18964939, 17600719, 18191164, 19393542
17571306, 18482502, 20777150, 19466309, 17040527, 17165204, 18098207
16785708, 17174582, 16180763, 17465741, 16777840, 12982566, 19463893
22195465, 12816846, 16875449, 17237521, 19358317, 17811438, 17811447
17945983, 18762750, 17184721, 16912439, 18061914, 17282229, 18331850
18202441, 17082359, 18723434, 21972320, 19554106, 14034426, 18339044
19458377, 17752995, 20448824, 17891943, 17258090, 17767676, 16668584
```

18384391, 17040764, 17381384, 15913355, 18356166, 14084247, 20506715  
13853126, 18203837, 14245531, 21756699, 16043574, 22195441, 17848897  
17877323, 21453153, 17468141, 20861693, 17786518, 17912217, 17037130  
18155762, 16956380, 17478145, 17394950, 18189036, 18641461, 18619917  
17027426, 21352646, 16268425, 22195492, 19584068, 18436307, 17265217  
17634921, 13498382, 21526048, 20004087, 22195485, 17443671, 18000422  
22321756, 20004021, 17571039, 21067387, 16344544, 18009564, 14354737  
18135678, 18614015, 20441797, 18362222, 17835048, 16472716, 17936109  
17050888, 17325413, 14010183, 18747196, 17761775, 16721594, 17082983  
20067212, 21179898, 17302277, 18084625, 15990359, 18203835, 17297939  
17811456, 16731148, 21168487, 17215560, 13829543, 14133975, 17694209  
18091059, 17385178, 8322815, 17586955, 17201159, 17655634, 18331812  
19730508, 18868646, 17648596, 16220077, 16069901, 17348614, 17393915  
17274537, 17957017, 18096714, 17308789, 18436647, 14285317, 19289642  
14764829, 18328509, 17622427, 22195477, 16943711, 14368995, 17346671  
18996843, 17783588, 21343838, 16618694, 17672719, 18856999, 18783224  
17851160, 17546761, 17798953, 18273830, 22092979, 19972566, 16384983  
17726838, 17360606, 22321741, 13645875, 18199537, 16542886, 21787056  
17889549, 14565184, 17071721, 17610798, 20299015, 21343897, 20657441  
17397545, 18230522, 16360112, 19769489, 12905058, 18641451, 12747740  
18430495, 17042658, 17016369, 14602788, 17551063, 19972568, 21517440  
18508861, 19788842, 14657740, 17332800, 13837378, 19972564, 17186905  
18315328, 19699191, 17437634, 19006849, 19013183, 17296856, 18674024  
17232014, 16855292, 21051840, 14692762, 17762296, 17705023, 19121551  
21330264, 19854503, 19309466, 18681862, 18554763, 20558005, 17390160  
18456514, 16306373, 13955826, 18139690, 17501491, 21668627, 17299889  
17752121, 17889583, 18673325, 18293054, 17242746, 17951233, 17649265  
18094246, 19615136, 17011832, 16870214, 17477958, 18522509, 20631274  
16091637, 17323222, 16595641, 16524926, 18228645, 18282562, 17596908  
17156148, 18031668, 16494615, 17545847, 17655240, 17614134, 13558557  
17341326, 17891946, 17716305, 16392068, 19271443, 21351877, 18092127  
18440047, 17614227, 14106803, 16903536, 18973907, 18673342, 19032867  
17389192, 17612828, 16194160, 17006570, 17721717, 17570240, 17390431  
16863422, 18325460, 19727057, 16422541, 19972570, 17267114, 18244962  
21538485, 18765602, 18203838, 16198143, 17246576, 14829250, 17835627  
18247991, 14458214, 21051862, 16692232, 17786278, 17227277, 16042673  
16314254, 16228604, 16837842, 17393683, 17787259, 20331945, 20074391  
15861775, 16399083, 18018515, 21051858, 18260550, 17036973, 16613964  
17080436, 16579084, 18384537, 18280813, 20296213, 16901385, 15979965  
18441944, 16450169, 9756271, 17892268, 11733603, 16285691, 17587063  
21343775, 16538760, 18180390, 18193833, 21051833, 17238511, 17824637  
16571443, 18306996, 14852021, 18674047, 17853456, 12364061, 22195448



## Versione 11.2.0.4.v6

La versione 11.2.0.4.v6 include quanto segue:

- Abilita crittografia SSL per Standard Edition e Standard Edition One

## Versione 11.2.0.4.v5

La versione 11.2.0.4.v5 include quanto segue:

- PSU Oracle 11.2.0.4.8 (21352635)
- Include patch ora legale, patch 20875898: DST-24, uscita dopo la PUS di aprile 2015.

**Baseline: PSU database Oracle 11.2.0.4.8 (patch 21352635, rilasciata a ottobre 2015)**

Bug corretti:

```
17288409, 21051852, 18607546, 17205719, 17811429, 17816865, 20506699
17922254, 17754782, 16934803, 13364795, 17311728, 17441661, 17284817
16992075, 17446237, 14015842, 19972569, 21538558, 20925795, 17449815
17375354, 19463897, 17982555, 17235750, 13866822, 18317531, 17478514
18235390, 14338435, 20803583, 13944971, 20142975, 17811789, 16929165
18704244, 20506706, 17546973, 20334344, 14054676, 17088068, 18264060
17346091, 17343514, 21538567, 19680952, 18471685, 19211724, 13951456
16315398, 18744139, 16850630, 19049453, 18673304, 17883081, 19915271
18641419, 18262334, 17006183, 16065166, 18277454, 16833527, 10136473
18051556, 17865671, 17852463, 18554871, 17853498, 18334586, 17588480
17551709, 19827973, 17842825, 17344412, 18828868, 17025461, 11883252
13609098, 17239687, 17602269, 19197175, 18316692, 17313525, 12611721
19544839, 18964939, 17600719, 18191164, 19393542, 17571306, 18482502
20777150, 19466309, 17040527, 17165204, 18098207, 16785708, 17174582
16180763, 17465741, 16777840, 12982566, 19463893, 12816846, 16875449
17237521, 19358317, 17811438, 17811447, 17945983, 18762750, 17184721
16912439, 18061914, 17282229, 18331850, 18202441, 17082359, 18723434
19554106, 14034426, 18339044, 19458377, 17752995, 20448824, 17891943
17258090, 17767676, 16668584, 18384391, 17040764, 17381384, 15913355
18356166, 14084247, 20506715, 13853126, 18203837, 14245531, 16043574
17848897, 17877323, 17468141, 17786518, 17912217, 17037130, 18155762
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16956380, 17478145, 17394950, 18189036, 18641461, 18619917, 17027426  
21352646, 16268425, 19584068, 18436307, 17265217, 17634921, 13498382  
20004087, 17443671, 18000422, 20004021, 17571039, 21067387, 16344544  
18009564, 14354737, 18135678, 18614015, 20441797, 18362222, 17835048  
16472716, 17936109, 17050888, 17325413, 14010183, 18747196, 17761775  
16721594, 17082983, 20067212, 21179898, 17302277, 18084625, 15990359  
18203835, 17297939, 17811456, 16731148, 17215560, 13829543, 14133975  
17694209, 18091059, 17385178, 8322815, 17586955, 17201159, 17655634  
18331812, 19730508, 18868646, 17648596, 16220077, 16069901, 17348614  
17393915, 17274537, 17957017, 18096714, 17308789, 18436647, 14285317  
19289642, 14764829, 18328509, 17622427, 16943711, 14368995, 17346671  
18996843, 17783588, 16618694, 17672719, 18856999, 18783224, 17851160  
17546761, 17798953, 18273830, 19972566, 16384983, 17726838, 17360606  
13645875, 18199537, 16542886, 17889549, 14565184, 17071721, 20299015  
17610798, 20657441, 17397545, 18230522, 16360112, 19769489, 12905058  
18641451, 12747740, 18430495, 17042658, 17016369, 14602788, 19972568  
18508861, 19788842, 14657740, 17332800, 13837378, 19972564, 17186905  
18315328, 19699191, 17437634, 19006849, 19013183, 17296856, 18674024  
17232014, 16855292, 21051840, 14692762, 17762296, 17705023, 19121551  
19854503, 19309466, 18681862, 18554763, 20558005, 17390160, 18456514  
16306373, 13955826, 18139690, 17501491, 17299889, 17752121, 17889583  
18673325, 18293054, 17242746, 17951233, 17649265, 18094246, 19615136  
17011832, 16870214, 17477958, 18522509, 20631274, 16091637, 17323222  
16595641, 16524926, 18228645, 18282562, 17596908, 17156148, 18031668  
16494615, 17545847, 17614134, 13558557, 17341326, 17891946, 17716305  
16392068, 19271443, 18092127, 18440047, 17614227, 14106803, 16903536  
18973907, 18673342, 17389192, 16194160, 17006570, 17612828, 17721717  
17570240, 17390431, 16863422, 18325460, 19727057, 16422541, 19972570  
17267114, 18244962, 21538485, 18765602, 18203838, 16198143, 17246576  
14829250, 17835627, 18247991, 14458214, 21051862, 16692232, 17786278  
17227277, 16042673, 16314254, 16228604, 16837842, 17393683, 17787259  
20331945, 20074391, 15861775, 16399083, 18018515, 18260550, 21051858  
17036973, 16613964, 17080436, 16579084, 18384537, 18280813, 20296213  
16901385, 15979965, 18441944, 16450169, 9756271, 17892268, 11733603  
16285691, 17587063, 16538760, 18180390, 18193833, 21051833, 17238511  
17824637, 16571443, 18306996, 14852021, 18674047, 17853456, 12364061

## Versione 11.2.0.4.v4

La versione 11.2.0.4.v4 include quanto segue:

- PSU Oracle 11.2.0.4.6 (20299013)

- Installa knowledge base Oracle Text aggiuntive da Oracle Database. Esempi di media (inglese e francese)
- Fornisce l'accesso a DBMS\_REPAIR tramite RDSADMIN.RDSADMIN\_DBMS\_REPAIR
- Concede ALTER DATABASE LINK, ALTER PUBLIC DATABASE LINK, EXEMPT ACCESS POLICY, EXEMPT IDENTITY POLICY ed EXEMPT REDACTION POLICY a utente master

## Baseline: PSU database Oracle 11.2.0.4.6 (patch 20299013, rilasciata ad aprile 2015)

### Bug corretti:

17288409, 17798953, 18273830, 18607546, 17811429, 17205719, 20506699  
17816865, 19972566, 17922254, 17754782, 16384983, 17726838, 13364795  
16934803, 17311728, 17284817, 17441661, 17360606, 13645875, 18199537  
16992075, 16542886, 17446237, 14015842, 17889549, 14565184, 19972569  
17071721, 20299015, 17610798, 17375354, 17449815, 17397545, 19463897  
18230522, 13866822, 17235750, 17982555, 16360112, 18317531, 17478514  
19769489, 12905058, 14338435, 18235390, 13944971, 18641451, 20142975  
17811789, 16929165, 18704244, 12747740, 18430495, 20506706, 17546973  
14054676, 17088068, 17346091, 18264060, 17016369, 17042658, 17343514  
14602788, 19972568, 19680952, 18471685, 19788842, 18508861, 14657740  
17332800, 19211724, 13837378, 13951456, 16315398, 17186905, 18744139  
19972564, 16850630, 18315328, 17437634, 19049453, 18673304, 17883081  
19006849, 19915271, 19013183, 18641419, 17296856, 18674024, 18262334  
17006183, 18277454, 16833527, 17232014, 16855292, 10136473, 17762296  
14692762, 17705023, 18051556, 17865671, 17852463, 18554871, 17853498  
19121551, 18334586, 19854503, 17551709, 19309466, 17588480, 19827973  
17344412, 17842825, 18828868, 18681862, 18554763, 17390160, 18456514  
16306373, 17025461, 13955826, 18139690, 11883252, 13609098, 17501491  
17239687, 17752121, 17299889, 17602269, 19197175, 17889583, 18316692  
17313525, 18673325, 12611721, 19544839, 18293054, 17242746, 18964939  
17600719, 18191164, 19393542, 17571306, 18482502, 19466309, 17951233  
17649265, 18094246, 19615136, 17040527, 17011832, 17165204, 18098207  
16785708, 16870214, 17465741, 16180763, 17174582, 17477958, 12982566  
16777840, 18522509, 20631274, 16091637, 17323222, 19463893, 16595641  
16875449, 12816846, 16524926, 17237521, 18228645, 18282562, 17596908  
19358317, 17811438, 17811447, 17945983, 18762750, 17156148, 18031668  
16912439, 17184721, 16494615, 18061914, 17282229, 17545847, 18331850  
18202441, 17082359, 18723434, 19554106, 17614134, 13558557, 17341326  
14034426, 17891946, 18339044, 17716305, 19458377, 17752995, 16392068  
19271443, 17891943, 18092127, 17258090, 17767676, 16668584, 18384391

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17614227, 17040764, 16903536, 17381384, 14106803, 15913355, 18973907
18356166, 18673342, 17389192, 14084247, 16194160, 17612828, 17006570
20506715, 17721717, 13853126, 17390431, 18203837, 17570240, 14245531
16043574, 16863422, 17848897, 17877323, 18325460, 19727057, 17468141
17786518, 17912217, 16422541, 19972570, 17267114, 17037130, 18244962
18765602, 18203838, 18155762, 16956380, 16198143, 17246576, 17478145
17394950, 14829250, 18189036, 18641461, 18619917, 17835627, 17027426
16268425, 18247991, 19584068, 14458214, 18436307, 17265217, 17634921
13498382, 16692232, 17786278, 17227277, 16042673, 16314254, 17443671
18000422, 16228604, 16837842, 17571039, 17393683, 16344544, 17787259
18009564, 20074391, 14354737, 15861775, 18135678, 18614015, 16399083
18362222, 18018515, 16472716, 17835048, 17050888, 17936109, 14010183
17325413, 18747196, 17080436, 16613964, 17036973, 17761775, 16579084
16721594, 17082983, 18384537, 18280813, 20296213, 17302277, 16901385
18084625, 15979965, 15990359, 18203835, 17297939, 17811456, 16731148
13829543, 14133975, 17215560, 17694209, 18091059, 17385178, 8322815
17586955, 18441944, 17201159, 16450169, 9756271, 17655634, 19730508
17892268, 18868646, 17648596, 16220077, 16069901, 11733603, 16285691
17587063, 18180390, 16538760, 18193833, 17348614, 17393915, 17957017
17274537, 18096714, 17308789, 17238511, 18436647, 17824637, 14285317
19289642, 14764829, 17622427, 18328509, 16571443, 16943711, 14368995
18306996, 17346671, 14852021, 18996843, 17783588, 16618694, 17853456
18674047, 17672719, 18856999, 12364061, 18783224, 17851160, 17546761
```

## Versione 11.2.0.4.v3

La versione 11.2.0.4.v3 include quanto segue:

- PSU Oracle 11.2.0.4.4 (19121551)
- File DST più recente (DSTv23 - patch 19396455, rilasciata a ottobre 2014). Questa patch è incorporata per default solo nelle nuove istanze.

**Baseline: PSU database Oracle 11.2.0.4.4 (patch 19121551, rilasciata a ottobre 2014)**

Bug corretti:

```
19396455, 18759211, 17432124, 16799735,
17288409, 17205719, 17811429, 17754782, 17726838, 13364795, 17311728
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17284817, 17441661, 13645875, 18199537, 16992075, 16542886, 17446237
14565184, 17071721, 17610798, 17375354, 17449815, 17397545, 19463897
18230522, 17235750, 16360112, 13866822, 17982555, 17478514, 12905058
14338435, 13944971, 16929165, 12747740, 17546973, 14054676, 17088068
18264060, 17343514, 17016369, 17042658, 14602788, 14657740, 17332800
19211724, 13951456, 16315398, 17186905, 18744139, 16850630, 17437634
19049453, 18673304, 17883081, 18641419, 17296856, 18262334, 17006183
18277454, 17232014, 16855292, 10136473, 17705023, 17865671, 18554871
19121551, 17588480, 17551709, 17344412, 17842825, 18681862, 17390160
13955826, 13609098, 18139690, 17501491, 17239687, 17752121, 17299889
17602269, 18673325, 17313525, 17242746, 19544839, 17600719, 18191164
17571306, 19466309, 17951233, 18094246, 17165204, 17011832, 17040527
16785708, 16180763, 17477958, 17174582, 17465741, 18522509, 17323222
19463893, 16875449, 16524926, 17237521, 17596908, 17811438, 17811447
18031668, 16912439, 16494615, 18061914, 17545847, 17082359, 19554106
17614134, 17341326, 17891946, 19458377, 17716305, 17752995, 16392068
19271443, 17767676, 17614227, 17040764, 17381384, 18973907, 18673342
14084247, 17389192, 17006570, 17612828, 17721717, 13853126, 18203837
17390431, 17570240, 14245531, 16043574, 16863422, 19727057, 17468141
17786518, 17037130, 17267114, 18203838, 16198143, 16956380, 17478145
14829250, 17394950, 17027426, 16268425, 18247991, 19584068, 14458214
18436307, 17265217, 13498382, 16692232, 17786278, 17227277, 16042673
16314254, 17443671, 16228604, 16837842, 17393683, 17787259, 18009564
15861775, 16399083, 18018515, 16472716, 17050888, 14010183, 17325413
16613964, 17080436, 17036973, 17761775, 16721594, 18280813, 15979965
18203835, 17297939, 16731148, 17811456, 14133975, 17385178, 17586955
16450169, 17655634, 9756271, 17892268, 17648596, 16220077, 16069901
11733603, 16285691, 17587063, 18180390, 17393915, 18096714, 17238511
17824637, 14285317, 19289642, 14764829, 18328509, 17622427, 16943711
17346671, 18996843, 14852021, 17783588, 16618694, 17672719, 17546761

```

## Versione 11.2.0.4.v2 (Obsoleta)

La versione 11.2.0.4.v2 include quanto segue:

- PSU Oracle 11.2.0.4.3 (18522509)
- Accesso utente al pacchetto DBMS\_TRANSACTION per la pulizia di transazioni distribuite
- File DST più recente (DSTv22 - patch 18759211, rilasciata a giugno 2014). Questa patch è incorporata per default solo in nuove istanze database Oracle.
- Concede DBMS\_REPUTIL a ruolo DBA (aggiornamento a 11.2.0.4 lo revoca da pubblico)
- Privilegi concessi su DBMS\_TRANSACTION, v\$pending\_xatrans\$ e v\$xatrans\$

- Risolve un problema con i comandi DDL quando i nomi degli oggetti utente contengono "SYSTEM"
- Installa oggetti schema per supportare transazioni XA, consentendo a un manager delle transazioni esterno di gestire le transazioni
- Consente il troncamento di oggetti SYS e SYSTEM temporanei, consentendo il corretto funzionamento di strumenti quali LogMiner

Baseline: PSU database Oracle 11.2.0.4.3 (patch 18522509, rilasciata a luglio 2014)

Bug corretti:

```
17432124, 18759211, 18522509, 18031668, 17478514,
17752995, 17288409, 16392068, 17205719, 17811429, 17767676, 17614227
17040764, 17381384, 17754782, 17726838, 13364795, 17311728, 17389192
17006570, 17612828, 17284817, 17441661, 13853126, 17721717, 13645875
18203837, 17390431, 16542886, 16992075, 16043574, 17446237, 16863422
14565184, 17071721, 17610798, 17468141, 17786518, 17375354, 17397545
18203838, 16956380, 17478145, 16360112, 17235750, 17394950, 13866822
17478514, 17027426, 12905058, 14338435, 16268425, 13944971, 18247991
14458214, 16929165, 17265217, 13498382, 17786278, 17227277, 17546973
14054676, 17088068, 16314254, 17016369, 14602788, 17443671, 16228604
16837842, 17332800, 17393683, 13951456, 16315398, 18744139, 17186905
16850630, 17437634, 19049453, 17883081, 15861775, 17296856, 18277454
16399083, 16855292, 18018515, 10136473, 16472716, 17050888, 17865671
17325413, 14010183, 18554871, 17080436, 16613964, 17761775, 16721594
17588480, 17551709, 17344412, 18681862, 15979965, 13609098, 18139690
17501491, 17239687, 17752121, 17602269, 18203835, 17297939, 17313525
16731148, 17811456, 14133975, 17600719, 17385178, 17571306, 16450169
17655634, 18094246, 17892268, 17165204, 17011832, 17648596, 16785708
17477958, 16180763, 16220077, 17465741, 17174582, 18522509, 16069901
16285691, 17323222, 18180390, 17393915, 16875449, 18096714, 17238511
```

## Versione 11.2.0.4.v1

La versione 11.2.0.4.v1 include quanto segue:

- Oracle PSU 11.2.0.4.1
- Supporto per la creazione ed eliminazione di directory nello spazio di archiviazione dati principale

Per ulteriori informazioni, consulta [Creazione e rilascio di directory nello spazio di archiviazione dati principale](#) nella Guida per l'utente di Amazon RDS.

## Baseline: PSU database Oracle 11.2.0.4.1 (patch rilasciata a gennaio 2014)

### Bug corretti:

17432124, 16850630, 17551709, 13944971, 17811447,  
13866822, 17811429, 16069901, 16721594, 17443671,  
17478514, 17612828, 17610798, 17239687, 17501491  
17446237, 16450169, 17811438, 17288409, 17811456,  
12905058, 17088068, 16285691, 17332800

# Cronologia dei documenti per Amazon RDS per Oracle - Note di rilascio

La tabella seguente illustra le versioni di Amazon RDS per Oracle.

Modifica	Descrizione	Data
<a href="#">Amazon RDS supporta la RU Oracle April 2024 per 21c e 19c</a>	<a href="#">Amazon RDS for Oracle ha rilasciato la versione del motore di database 21.0.0.0.ru-2024-04.rur-2024-04.r1 e 19.0.0.0.ru-2024-04.rur-2024-04.r1 per supportare la RU di aprile 2024.</a>	6 maggio 2024
<a href="#">Amazon RDS supporta Oracle January 2024 RU per 21c e 19c</a>	<a href="#">Amazon RDS for Oracle ha rilasciato la versione del motore di database 21.0.0.0.ru-2024-01.rur-2024-01.r1 e 19.0.0.0.ru-2024-01.rur-2024-01.r1 per supportare la RU di gennaio 2024.</a>	5 febbraio 2024
<a href="#">Amazon RDS supporta Oracle di ottobre 2023 RU per 21c e 19c</a>	Amazon RDS per Oracle ha rilasciato la versione del motore del database <a href="#">21.0.0.0.ru-2023-10.rur-2023-10.r1</a> e <a href="#">19.0.0.0.ru-2023-10.rur-2023-10.r1</a> per supportare l'RU di ottobre 2023.	1 novembre 2023
<a href="#">Amazon RDS supporta Oracle RU di luglio 2023 per 21c e 19c</a>	Amazon RDS per Oracle ha rilasciato la versione del motore del database <a href="#">21.0.0.0.ru-2023-07.rur-2023-07.r1</a> e <a href="#">19,0.0.0.ru-2023-07.rur-2023-07.r1</a>	10 agosto 2023



	<a href="#">3-07.r1</a> a supporto dell'RU di luglio 2023.	
<a href="#">Amazon RDS supporta Oracle RU di aprile 2023 per 21c</a>	Amazon RDS per Oracle ha rilasciato il motore database versione <a href="#">19.0.0.0.ru-2023-04.rur-2023-04.r1</a> per supportar e l'RU di aprile 2023.	8 giugno 2023
<a href="#">Amazon RDS supporta Oracle RU di aprile 2023 per 19c</a>	Amazon RDS per Oracle ha rilasciato la versione del motore di database <a href="#">19.0.0.0.ru-2023-04.rur-2023-04.r1</a> per supportare l'RU di aprile 2023.	4 maggio 2023
<a href="#">Amazon RDS supporta il secondo rilascio di Oracle RU di gennaio 2023 per 21c e 19c</a>	Amazon RDS per Oracle ha rilasciato le versioni del motore del database <a href="#">19.0.0.0.ru-2023-01.rur-2023-07.r2</a> e <a href="#">21.0.0.0.ru-2023-01.rur-2023-01.r2</a> a supporto dell'RU di gennaio 2023.	5 aprile 2023
<a href="#">Amazon RDS supporta Oracle RU di gennaio 2023 per 21c e 19c</a>	Amazon RDS per Oracle ha rilasciato le versioni del motore del database <a href="#">19.0.0.0.ru-2023-01.rur-2023-01.r1</a> e <a href="#">21.0.0.0.ru-2023-01.rur-2023-01.r1</a> a supporto dell'RU di gennaio 2023.	16 febbraio 2023
<a href="#">Amazon RDS supporta Oracle di ottobre 2022 RU per 21c e 19</a>	Amazon RDS per Oracle ha rilasciato la versione del motore del database <a href="#">19.0.0.0.ru-2022-10.rur-2022-10.r1</a> e <a href="#">21.0.0.0.ru-2022-10.rur-2022-10.r1</a> per supportare l'RU di ottobre 2022.	10 novembre 2022

<a href="#">Amazon RDS supporta Oracle RU di luglio 2022 per 21c</a>	Amazon RDS per Oracle ha rilasciato le versioni del motore di database <a href="#">21.0.0.0.ru-2022-07.rur-2022-07.r1</a> per supportar e l'RU di luglio 2022 per 21c.	8 novembre 2022
<a href="#">Amazon RDS supporta Oracle RU e PSU di luglio 2022</a>	Amazon RDS per Oracle ha rilasciato le versioni del motore del database <a href="#">19.0.0.0.ru-2022-07.rur-2022-07.r1</a> e <a href="#">12.1.0.2.v29</a> a supporto dell'RU e PSU di luglio 2022.	5 ottobre 2022
<a href="#">Amazon RDS supporta Oracle di aprile 2022 RU, RUR e PSU</a>	Amazon RDS per Oracle ha rilasciato le versioni del motore di database <a href="#">21.0.0.0.ru-2022-04.rur-2022-04.r1</a> , <a href="#">19,0.0.0.ru-2022-04.rur-2022-04.r1</a> e <a href="#">12,1.0.2.v28</a> per supportar e RU, RUR e PSU di aprile 2022.	28 luglio 2022
<a href="#">Amazon RDS supporta Oracle di gennaio 2022 RU, RUR e PSU</a>	Amazon RDS per Oracle ha rilasciato le versioni del motore di database <a href="#">19.0.0.0.ru-2022-01.rur-2022-01.r1</a> , <a href="#">12.2.0.1.ru-2022-01.rur-2022-01.r1</a> e <a href="#">12.1.0.2.v27</a> per supportare RU, RUR e PSU di gennaio 2022.	28 marzo 2022
<a href="#">Versione iniziale</a>	Versione iniziale delle note di rilascio di Amazon RDS per Oracle.	22 marzo 2022

## Aggiornamenti precedenti

La tabella seguente descrive le modifiche importanti introdotte in ogni versione di Amazon RDS per Oracle prima del 22 marzo 2022.

Modifica	Descrizione	Data della modifica
Amazon RDS supporta Oracle di gennaio 2022 RU e RUR	Amazon RDS per Oracle ha rilasciato la versione del motore di database <a href="#">21.0.0.0.ru-2022-01.rur-2022-01.r1</a> per supportare RU e RUR di gennaio 2022.	7 marzo 2022
Amazon RDS supporta la PSU di Oracle di ottobre 2021	Amazon RDS for Oracle ha rilasciato la versione del motore di database Oracle 12.1.0.2.v26 a supporto delle Patch Set Update (PSU) di Oracle di ottobre 2021.	25 febbraio 2022
Amazon RDS supporta Oracle di ottobre 2021 RU e RUR	Amazon RDS for Oracle ha pubblicato le versioni 19.0.0.0.ru-2021-10.rur-2021-10.r1 e 12.2.0.1.ru-2021-10.rur-2021-10.r1 del motore del database per supportare l'aggiornamento della release (RU) e la revisione dell'aggiornamento della release (RUR) di ottobre 2021.	4 gennaio 2022
Amazon RDS for Oracle luglio 2021 RU e RUR	Amazon RDS for Oracle ha pubblicato le versioni 19.0.0.0.ru-2021-07.rur-2021-07.r1, 12.2.0.1.ru-2021-07.rur-2021-07.r1 e 12.1.0.2.v25 del motore del database per supportare l'aggiornamento della release (RU) e la revisione dell'aggiornamento della release (RUR) di luglio 2021.	31 agosto 2021
Amazon RDS for Oracle include l'aggiornamento del set di patch di aprile 2021 per Oracle Database	Amazon RDS ha pubblicato l'aggiornamento del set di patch 12.1.0.2.v24 (PSU).	28 maggio 2021

Modifica	Descrizione	Data della modifica
12c Release 1 (12.1.0.2)		
Amazon RDS for Oracle aprile 2021 RU e RUR	Amazon RDS for Oracle ha pubblicato le versioni 19.0.0.0.ru-2021-04.rur-2021-04.rur-2021-04.r1, 18.0.0.0.ru-2021-04.rur-2021-04.r1 e 12.2.0.1.ru-2021-04.rur-2021-04.r1 del motore di database per supportare l'aggiornamento della release (RU) di aprile 2021 e la revisione dell'aggiornamento della release (RUR) di aprile 2021.	21 maggio 2021
Amazon RDS for Oracle include la PSU di gennaio 2021 per la versione 12.1.0.2	Amazon RDS ha rilasciato un aggiornamento del motore database per Oracle Database 12c Release 1 (12.1.0.2). Inoltre, Amazon RDS ha rilasciato la versione del database 19.0.0.0.ru-2021-01.rur-2021-01.r2, che si consiglia in alternativa a 19.0.0.0.ru-2021-01.rur-2021-01.r1.	18 marzo 2021
Amazon RDS for Oracle include gli aggiornamenti RU, RUR e PSU di gennaio	Amazon RDS ha rilasciato gli aggiornamenti del modulo di gestione di database per Oracle Database versioni 12.2, 18c e 19c.	2 febbraio 2021
Amazon RDS for Oracle include il PSU di ottobre 2020 per Oracle Database 11g	Amazon RDS for Oracle ha rilasciato gli aggiornamenti del motore di database per Oracle Database 11g Enterprise Edition.	12 dicembre 2020

Modifica	Descrizione	Data della modifica
Amazon RDS for Oracle include aggiornamenti RU, RUR e PSU di ottobre	Amazon RDS for Oracle ha rilasciato gli aggiornamenti del modulo di gestione di database per tutte le versioni tranne 11.2. Inoltre, Amazon RDS for Oracle fornisce supporto per l'impostazione e la disimpostazione degli eventi di diagnostica del sistema utilizzando <code>rdsadmin.rdsadmin_util</code> il pacchetto e la risoluzione di GoldenGate un errore utilizzando la procedura <code>rdsadmin_util.truncate_apply \$_cdr_info</code>	24 novembre 2020
RDS per Oracle include aggiornamenti RU, RUR e PSU di luglio 2020	Amazon RDS for Oracle ha rilasciato aggiornamenti per il motore di database per luglio 2020.	8 agosto 2020
Amazon RDS for Oracle aprile 2020 RU, RUR e PSU	Amazon RDS for Oracle ha rilasciato aggiornamenti per il motore di database per aprile 2020.	13 maggio 2020
Amazon RDS for Oracle gennaio 2020 RU, RUR e PSU	Amazon RDS for Oracle ha rilasciato aggiornamenti per il motore di database per gennaio 2020.	20 febbraio 2020
Amazon RDS for Oracle ottobre 2019 RU e RUR per Oracle Database 19c	Amazon RDS for Oracle ha rilasciato aggiornamenti per il motore del database per ottobre 2019 per Oracle Database 19c.	9 gennaio 2020
Amazon RDS for Oracle ottobre 2019 RU, RUR e PSU	Amazon RDS for Oracle ha rilasciato aggiornamenti per il motore del database per ottobre 2019.	19 novembre 2019

Modifica	Descrizione	Data della modifica
Amazon RDS for Oracle luglio 2019 RU, RUR e PSU	Amazon RDS for Oracle ha rilasciato il motore database versione 12.2.0.1.ru-2019-07.rur-2019-07.r1 per supportare l'aggiornamento della release (RU) e la revisione dell'aggiornamento della release (RUR) di luglio 2019. Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v17 e 11.2.0.4.v21 per supportare il Patch Set Update (PSU) di Oracle Database di luglio 2019.	8 agosto 2019
Amazon RDS for Oracle aprile 2019 RU, RUR e PSU	Amazon RDS for Oracle ha rilasciato il motore database versione 12.2.0.1.ru-2019-04.rur-2019-04.r1 per supportare l'aggiornamento della release (RU) e la revisione dell'aggiornamento della release (RUR) di aprile 2019. Amazon RDS for Oracle ha reso disponibili il motore di database versioni 12.1.0.2.v16 and 11.2.0.4.v20 per supportare il Patch Set Update (PSU) di Oracle Database di aprile 2019.	16 maggio 2019
Amazon RDS for Oracle gennaio 2019 RU, RUR e PSU	Amazon RDS for Oracle ha rilasciato il motore database versione 12.2.0.1.ru-2019-01.rur-2019-01.r1 per supportare l'aggiornamento della release (RU) e la revisione dell'aggiornamento della release (RUR) di gennaio 2019. Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v15 and 11.2.0.4.v19 per supportare il Patch Set Update (PSU) di Oracle Database di gennaio 2019.	8 febbraio 2019
Amazon RDS for Oracle PSU ottobre 2018	Amazon RDS for Oracle ha rilasciato il motore di database versioni 12.1.0.2.v14 e 11.2.0.4.v18 a supporto del Patch Set Update (PSU) per database Oracle di ottobre 2018.	13 novembre 2018

Modifica	Descrizione	Data della modifica
PSU di Amazon RDS for Oracle di luglio	Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v13 e 11.2.0.4.v17 per supportare il Patch Set Update (PSU) di Oracle Database di luglio 2018.	3 ottobre 2018
PSU aprile 2018 per Amazon RDS for Oracle	Amazon RDS for Oracle ha reso disponibile il motore di database versioni 12.1.0.2.v12 e 11.2.0.4.v16 a supporto del Patch Set Update (PSU) di aprile 2018 per il database Oracle.	1 giugno 2018
PSU Oracle, gennaio 2018	Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v11 e 11.2.0.4.v15 a supporto del Patch Set Update (PSU) di Oracle per database di gennaio 2018.	22 febbraio 2018
PSU Oracle, ottobre 2017	Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v10 e 11.2.0.4.v14 a supporto del Patch Set Update (PSU) di Oracle per database di ottobre 2017.	19 dicembre 2017
PSU Oracle luglio 2017	Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v9 e 11.2.0.4.v13 a supporto del Patch Set Update (PSU) di Oracle per database di luglio 2017.	3 Novembre 2017
Nuova caratteristica	Amazon RDS for Oracle ha rilasciato il motore di database versione 12.1.0.2.v8 e 11.2.0.4.v12 a supporto del Patch Set Update (PSU) di Oracle per database di aprile 2017.	23 maggio 2017
Nuova caratteristica	Amazon RDS for Oracle ora include il Patch Set Update (PSU) di Oracle per database di gennaio 2017. Con tale patch, sono supportati i motori di database versione 12.1.0.2.v7 e 11.2.0.4.v11.	21 marzo 2017

Modifica	Descrizione	Data della modifica
Nuova caratteristica	Amazon RDS for Oracle ora include il Patch Set Update (PSU) di Oracle per database di ottobre 2016. Con tale patch, sono supportati i motori di database Oracle versione 12.1.0.2.v6 e 11.2.0.4.v10.	12 dicembre 2016
Nuova caratteristica	Amazon RDS for Oracle ora include il Patch Set Update (PSU) di Oracle per database di luglio 2016. Con tale patch, sono supportati i motori di database Oracle versione 12.1.0.2.v5, 12.1.0.1.v6 e 11.2.0.4.v9.	20 settembre 2016
Nuova caratteristica	Amazon RDS for Oracle ora include il Patch Set Update (PSU) di Oracle per database di aprile 2016. Con tale PSU, sono supportati i motori di database Oracle versione 12.1.0.2.v4, 12.1.0.1.v5 e 11.2.0.4.v8.	17 giugno 2016
Nuova caratteristica	Versione aggiornata per il supporto di Oracle Database versione 11.2.0.4.v7, 12.1.0.1.v4 e 12.1.0.2.v3 con il Patch Set Update (PSU) di Oracle di gennaio 2016.	1 Aprile 2016
Nuova caratteristica	Versione aggiornata per il supporto di Oracle Standard Edition Two con licenza Bring-Your-Own-License (uso di licenze proprie). Inoltre, è stato aggiunto il supporto di Oracle versione 11.2.0.4.v5, 12.1.0.1.v3 e 12.1.0.2.v2.	14 dicembre 2015
Nuova caratteristica	Aggiornato per supportare Oracle Database 12c Release 1 (12.1.0.2), inclusa l'opzione In-Memory, le patch PSU di Oracle Database 11g April e una migliore integrazione con CloudhSM. AWS	20 luglio 2015
Nuova caratteristica	Aggiornato per supportare Oracle Database 12c.	2 Aprile 2015



Modifica	Descrizione	Data della modifica
Nuova caratteristica	Aggiornato per supportare la versione 11.2.0.4.v3 di Oracle Database 11g, che include la PSU rilasciata a ottobre 2014.	20 Novembre 2014
Nuova caratteristica	Aggiornato per supportare la versione 11.2.0.4v2 di Oracle Database 11g.	16 Ottobre 2014
Nuova caratteristica	Aggiornato per supportare Oracle Database 11g (11.2.0.4).	23 Aprile 2014

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