

Architecture Diagrams

Local Clusters for Amazon EKS on AWS Outposts



Local Clusters for Amazon EKS on AWS Outposts: Architecture Diagrams

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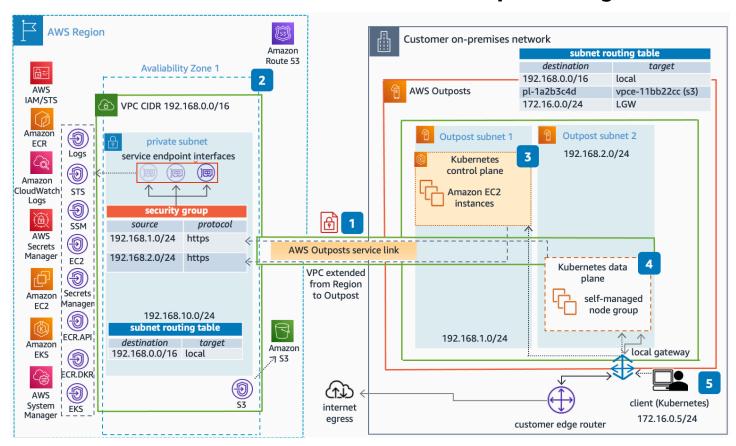
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Local Clusters for Amazon EKS on AWS Outposts

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This reference architecture diagram helps you deploy a local cluster for Amazon Elastic Kubernetes Service (Amazon EKS) on AWS Outposts.

Local Clusters for Amazon EKS on AWS Outposts Diagram



- 1. Ensure that you have a reliable network connection between AWS Outposts and its parent Region. Use a highly available, low-latency connectivity, such as AWS Direct Connect.
- 2. Create the Amazon Elastic Kubernetes Service (Amazon EKS) <u>local cluster VPC and its required</u> constructs.
- 3. Create a <u>local Amazon EKS cluster</u>, specifying the Kubernetes control plane subnet on AWS Outposts.
- 4. Create <u>self-managed</u> Amazon EKS nodes on AWS Outposts, following the recommended prerequisites.

- 5. Allow administrative access from the on-premises network to the Amazon EKS cluster endpoint using the local gateway (LGW). For more information, refer to Local gateway basics.
- 6. Refer to the local cluster for Amazon EKS on AWS Outposts considerations.



Note

Deploying a local cluster for Amazon EKS is currently only available through the AWS Outposts Rack offering.

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To customize this reference architecture diagram based on your business needs, download the ZIP file which contains an editable PowerPoint.

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Further reading

For additional information, refer to

- AWS Architecture Icons
- AWS Architecture Center
- **AWS Well-Architected**

Diagram history

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