



Architecture Diagrams

Local Clusters for Amazon EKS on AWS Outposts



Local Clusters for Amazon EKS on AWS Outposts: Architecture Diagrams

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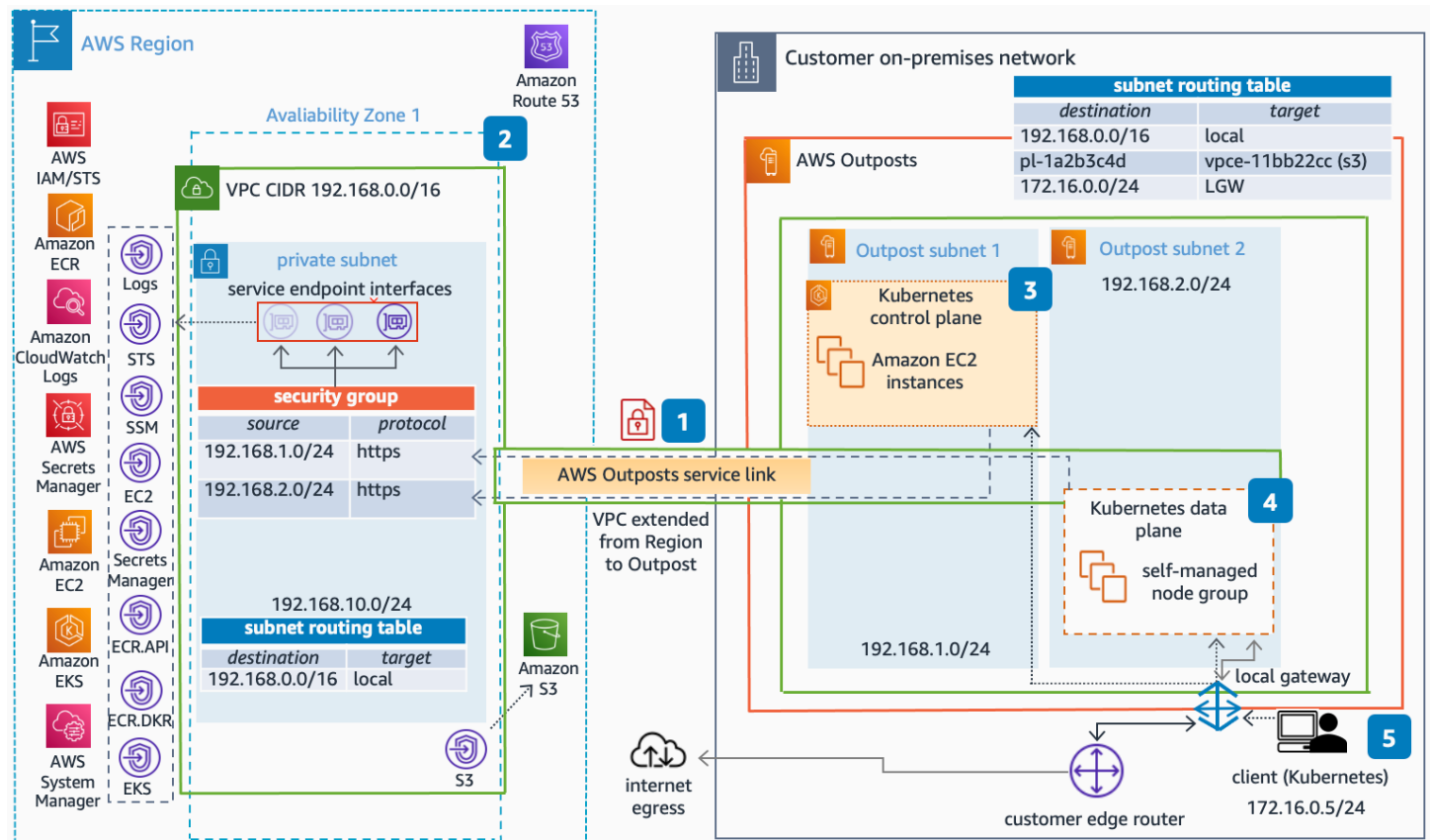
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Local Clusters for Amazon EKS on AWS Outposts

Publication date: **June 02, 2023** ([Diagram history](#))

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) [local cluster VPC and its required constructs](#).
3. Create a [local Amazon EKS cluster](#), specifying the Kubernetes control plane subnet on AWS Outposts.
4. Create [self-managed](#) 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.

Further reading

For additional information, refer to

- [AWS Architecture Icons](#)
- [AWS Architecture Center](#)
- [AWS Well-Architected](#)

Diagram history

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Change	Description	Date
Initial publication	Reference architecture diagram first published.	June 2, 2023

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