



Red Hat OpenShift Service on AWS 4

About

OpenShift Service on AWS Documentation.

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Abstract

Welcome to the official OpenShift Service on AWS documentation, where you can learn about OpenShift Service on AWS and start exploring its features.

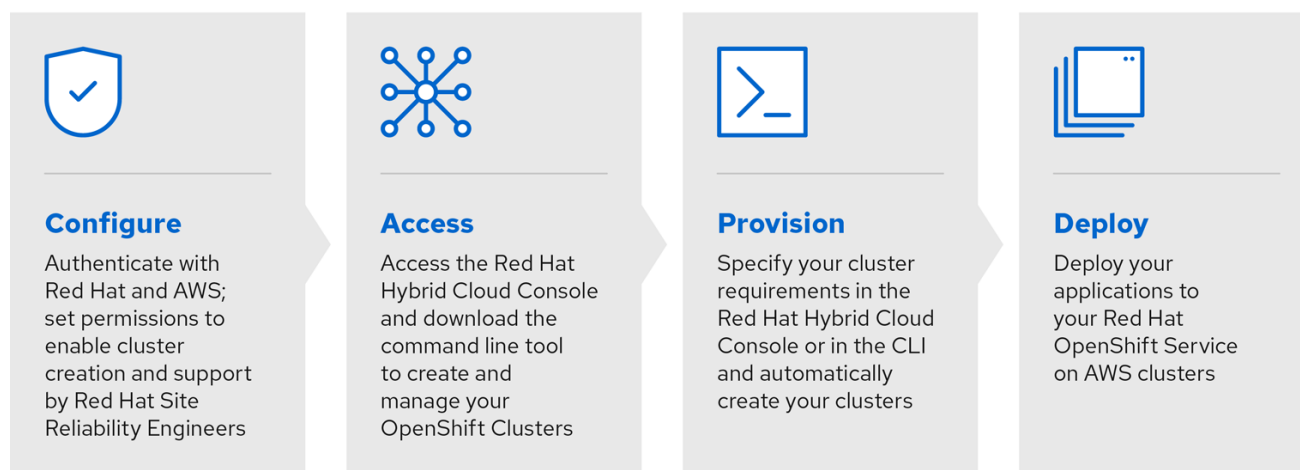
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CHAPTER 1. RED HAT OPENSIFT SERVICE ON AWS 4 DOCUMENTATION

Table of Contents

Welcome to the official Red Hat OpenShift Service on AWS (ROSA) documentation, where you can learn about ROSA and start exploring its features. To learn about ROSA, interacting with ROSA by using Red Hat OpenShift Cluster Manager and command-line interface (CLI) tools, consumption experience, and integration with Amazon Web Services (AWS) services, start with [the Introduction to ROSA documentation](#).



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To navigate the ROSA documentation, use the left navigation bar.

CHAPTER 2. LEARN MORE ABOUT ROSA WITH HCP

Red Hat OpenShift Service on AWS (ROSA) with hosted control planes (HCP) offers a reduced-cost solution to create a managed ROSA cluster with a focus on efficiency. You can quickly create a new cluster and deploy applications in minutes.

2.1. KEY FEATURES OF ROSA WITH HCP

- ROSA with HCP requires a minimum of only two nodes, making it ideal for smaller projects while still being able to scale to support larger projects and enterprises.
- The underlying control plane infrastructure is fully managed. Control plane components, such as the API server and etcd database, are hosted in a Red Hat-owned AWS account.
- Provisioning time is approximately 10 minutes.
- Customers can upgrade the control plane and machine pools separately, which means they do not have to shut down the entire cluster during upgrades.

2.2. GETTING STARTED WITH ROSA WITH HCP

Use the following sections to find content to help you learn about and use ROSA with HCP.

2.2.1. Architect

Learn about ROSA with HCP	Plan ROSA with HCP deployment	Additional resources
Architecture overview	Back up and restore	ROSA with HCP life cycle
ROSA with HCP architecture		ROSA with HCP service definition
		Getting support

2.2.2. Cluster Administrator

Learn about ROSA with HCP	Deploy ROSA with HCP	Manage ROSA with HCP	Additional resources
ROSA with HCP architecture	Installing ROSA with HCP	Logging	Getting Support
OpenShift Interactive Learning Portal	Storage	Monitoring overview	ROSA with HCP life cycle
	Back up and restore		
	Upgrading		

2.2.3. Developer

Learn about application development in ROSA with HCP	Deploy applications	Additional resources
Red Hat Developers site	Building applications overview	Getting support
Red Hat OpenShift Dev Spaces (formerly Red Hat CodeReady Workspaces)	Operators overview	
	Images	
	Developer-focused CLI	

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