Kubernetes on AWS with Heptio

Increase development velocity and efficiency

Heptio

aws competency
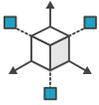
Heptio is an APN Technology Partner

Challenges

Many organizations like yours adopt Kubernetes to automate container deployments. To get the most value out of Kubernetes, you may need access to Kubernetes expertise, including validated designs, technologies to simplify management and expert guidance at every step of your journey. It is important to keep uptime, performance, recovery, and other related factors in mind when developing your Kubernetes management solution to ensure it works for your enterprise, which can be a challenge when you're managing large volume of clusters without the right management tools.

Solution

Heptio Kubernetes Subscription (HKS) enables you to adopt Kubernetes in production with validated designs for deployment, operations runbooks, Heptio tools that improve usability, plus 24x7 proactive and break-fix support. HKS can help you get more business value out of Kubernetes. With this solution, you deploy and manage Kubernetes clusters on Amazon Web Services (AWS) using Amazon Elastic Container Service for Kubernetes (Amazon EKS) or Amazon Elastic Compute Cloud (Amazon EC2).

Benefits

Heptio makes it easier to deploy and manage Kubernetes projects on AWS, with pragmatic solutions to address your organization's needs.

Validated designs
Leverage industry-standard best practices for deploying and operating Kubernetes.

Flexibility
Avoid vendor and distribution lock-in, with extensive application portability.

24x7 support
Get round-the-clock proactive and break-fix support for your Kubernetes deployments.

Map to Kubernetes Future
Heptio is founded by the creators of Kubernetes and actively contributes to the open source community.

Solution Space

Solution overview

Heptio Consulting Offer

Heptio has developed a consulting offer to jumpstart your adoption of Kubernetes on AWS. This consulting offer will provide your developers and IT teams with expert advice and customized, validated Kubernetes configurations on AWS, built on open-source technology.

How it works

Heptio enables you to unlock the full potential of upstream Kubernetes, so you can avoid distribution lock-in. You can scale your footprint without the expense of per-node or per-server pricing. Heptio helps you multiply developer velocity and resource efficiency, with a combination of validated designs, Heptio tools, and the expertise of two Kubernetes co-founders.

Parts	Tools	Expertise
Kubernetes binaris	**Operational toolkit**	**Proactive guidance**
Upstream or Heptio-supplied signed binaries	Tools that can help streamline deployment and maintenance	Dedicated customer reliability engineers that help you stay ahead of issues
Validated designs	**Heptio open-source**	**24x7 support**
Industry best practices for deploying and managing open source Kubernetes clusters	Projects that can improve the cost and complexity of running Kubernetes	Break-fix support for your Kubernetes deployment

Getting started

A Quick Start was made by AWS in partnership with Heptio. This Quick Start includes AWS CloudFormation templates that launch and configure all necessary AWS resources for your Kubernetes cluster.

Visit the solution page: Heptio Kubernetes
View the Quick Start: Kubernetes Quick Start
View the Deployment Guide: Deployment Guide