# **■** NetApp

入门 Kubernetes clusters

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## 入门

## Kubernetes 在 Cloud Manager 中进行数据管理

Astra Trident 是由 NetApp 维护的一个完全受支持的开源项目。Astra Trident 与 Kubernetes 及其永久性卷框架本机集成,可从运行任意 NetApp 存储平台组合的系统无缝配置和管理卷。 "了解有关 Trident 的更多信息"。

#### 功能

您可以使用 Cloud Manager 直接管理 Kubernetes 集群。

- 安装 Astra Trident。
- 在混合云基础架构中添加和管理集群。
- 添加和管理存储类并将其连接到工作环境。
- 使用 Cloud Backup Service 备份永久性卷。

#### 支持的 Kubernetes 部署

Cloud Manager 支持在以下环境中运行的受管 Kubernetes 集群:

- "Amazon Elastic Kubernetes Service (Amazon EKS)"
- "Microsoft Azure Kubernetes Service (AKS)"
- "Google Kubernetes Engine (GKEE)"

#### 支持的 Astra Trident 部署

需要使用四个最新版本的 Astra Trident 之一。您可以直接从 Cloud Manager 安装 Astra Trident 。您应该 "查看前提条件" 安装前。

要升级 Astra Trident , "使用操作员升级"。

#### 支持的后端存储

必须在每个 Kubernetes 集群上安装 NetApp 的 Astra Trident ,并且必须将 Cloud Volumes ONTAP 配置为集群的后端存储。

#### 成本

在 Cloud Manager 中发现您的 Kubernetes 集群不收取任何费用,但在使用 Cloud Backup Service 备份永久性卷时,系统会向您收取费用。

### 开始使用 Kubernetes 集群

将 Kubernetes 集群添加到 Cloud Manager 中,以便通过几个快速步骤进行高级数据管

理。

#### 快速入门

按照以下步骤快速入门。

确保您的环境满足集群类型的前提条件。

"AWS 中 Kubernetes 集群的要求"

"Azure 中 Kubernetes 集群的要求"

"Google Cloud 中的 Kubernetes 集群的要求"

您可以使用 Cloud Manager 添加 Kubernetes 集群并将其连接到工作环境。

"添加 Amazon Kubernetes 集群"

"添加 Azure Kubernetes 集群"

"添加 Google Cloud Kubernetes 集群"

使用原生 Kubernetes 接口和构造请求和管理永久性卷。Cloud Manager 可创建 NFS 和 iSCSI 存储类,您可以在配置永久性卷时使用这些存储类。

"了解有关使用 Astra Trident 配置第一个卷的更多信息"。

将 Kubernetes 集群添加到 Cloud Manager 后,您可以从 Cloud Manager 资源页面管理这些集群。

"了解如何管理 Kubernetes 集群。"

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