



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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