



# 開始使用 Kubernetes clusters

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# 開始使用

## Kubernetes的Cloud Manager資料管理功能

Astra Trident是由NetApp維護的完全支援開放原始碼專案。Astra Trident與Kubernetes及其持續Volume架構原生整合、可從執行任何NetApp儲存平台組合的系統無縫配置及管理Volume。 ["深入瞭解 Trident"](#)。

### 功能

您可以使用Cloud Manager直接管理Kubernetes叢集。

- 安裝Astra Trident。
- 新增及管理叢集、做為混合雲基礎架構的一部分。
- 新增及管理儲存類別、並將其連線至工作環境。
- 使用Cloud Backup Service 還原備份持續的Volume。

### 支援的Kubernetes部署

Cloud Manager支援在下列環境中執行的託管Kubernetes叢集：

- ["Amazon Elastic Kubernetes服務 \(Amazon EKS\) "](#)
- ["Microsoft Azure Kubernetes服務 \(英文\) "](#)
- ["Google Kubernetes Engine \(GKE\) "](#)

### 支援的Astra Trident部署

需要最新版Astra Trident的四種版本之一。您可以直接從Cloud Manager安裝Astra Trident。您應該 ["檢閱先決條件"](#) 安裝之前。

若要升級Astra Trident、["與營運者一起升級"](#)。

### 支援的後端儲存設備

NetApp的Astra Trident必須安裝在每個Kubernetes叢集上、Cloud Volumes ONTAP 而且必須將其設定為叢集的後端儲存設備。

### 成本

在Cloud Manager中探索Kubernetes叢集並不收費、但當您使用Cloud Backup Service 支援功能來備份持續的Volume時、系統將會收取您的費用。

## 開始使用Kubernetes叢集

將Kubernetes叢集新增至Cloud Manager、只需幾個快速步驟即可進行進階資料管理。

## 快速入門

請依照下列步驟快速入門。

確保您的環境符合叢集類型的先決條件。

["AWS中Kubernetes叢集的需求"](#)

["Azure中Kubernetes叢集的需求"](#)

["Google Cloud中Kubernetes叢集的需求"](#)

您可以新增Kubernetes叢集、並使用Cloud Manager將其連線至工作環境。

["新增Amazon Kubernetes叢集"](#)

["新增Azure Kubernetes叢集"](#)

["新增Google Cloud Kubernetes叢集"](#)

使用原生 Kubernetes 介面和架構來要求及管理持續磁碟區。Cloud Manager 會建立 NFS 和 iSCSI 儲存類別、供您在配置持續磁碟區時使用。

["深入瞭解Astra Trident的第一個磁碟區資源配置"](#)。

將Kubernetes叢集新增至Cloud Manager之後、即可從Cloud Manager資源頁面管理叢集。

["瞭解如何管理Kubernetes叢集。"](#)

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