安全性與資料加密
Cloud Volumes ONTAP

NetApp
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安全性與資料加密

使用 NetApp 加密解決方案加密磁碟區

支援NetApp Volume Encryption（NVE）和NetApp Aggregate Encryption（NAE）Cloud Volumes ONTAP 。NVE 和 NAE 是軟體型解決方案、可對磁碟區進行（ FIPS ） 140-2 相容的閒置資料加密。 "深入瞭解這些加密解決方案"。

外部金鑰管理程式支援NVE和NAE。

新的Aggregate在您設定外部金鑰管理程式之後、預設會啟用NAE。非 NAE Aggregate 一部分的新磁碟區預設會啟用 NVE （例如、如果在設定外部金鑰管理程式之前已建立現有的 Aggregate ）。

不支援內建金鑰管理。 Cloud Volumes ONTAP

您的支援系統應該已向 NetApp 註冊。 Cloud Volumes ONTAPNetApp Volume Encryption授權會自動安裝在Cloud Volumes ONTAP 每個註冊NetApp支援的支援系統上。

- "新增 NetApp 支援網站帳戶至 Cloud Manager"
- "註冊隨用隨付系統"

Cloud Manager 不會在中國地區的系統上安裝 NVE 授權。

步驟

1. 檢閱中支援的關鍵管理程式清單 "NetApp 互通性對照表工具"。

   搜尋 * 關鍵經理 * 解決方案。

2. "連線 Cloud Volumes ONTAP 至 CLI"。
3. 設定外部金鑰管理。

   "如ONTAP 需相關指示、請參閱《產品資訊》文件"。

改善防範勒索軟體的能力

勒索軟體攻擊可能會耗費一定的時間、資源和商譽。Cloud Manager 可讓您針對勒索軟體實作 NetApp 解決方案、提供有效的可見度、偵測及補救工具。

步驟

1. 在工作環境中、按一下 * 勒索軟體 * 圖示。

2. 實作 NetApp 勒索軟體解決方案：

   a. 如果您的磁碟區未啟用 Snapshot 原則、請按一下「 * 啟動 Snapshot Policy* 」。

      NetApp Snapshot 技術提供業界最佳的勒索軟體補救解決方案。成功還原的關鍵在於從未受感染的備份還原。Snapshot 複本為唯讀、可防止勒索軟體毀損。他們也能提供精細度、以建立單一檔案複本或完整災難恢復解決方案的映像。

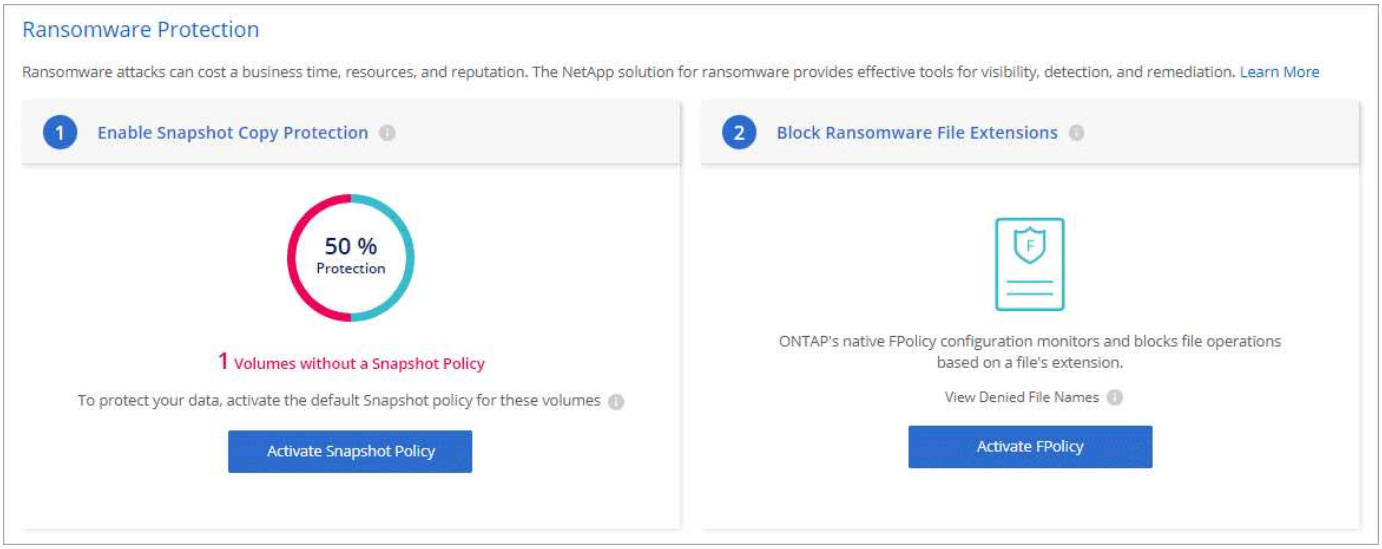
   b. 按一下「 * 啟動 FPolicy* 」以啟用 ONTAP 的 FPolicy 解決方案、此解決方案可根據檔案副檔名來封鎖檔案作業。

      這項預防解決方案可封鎖常見的勒索軟體檔案類型、藉此改善保護、避免勒索軟體攻擊。

      預設FPolicy範圍會封鎖下列副檔名的檔案：

      微、加密、鎖定、加密、加密、 crinf, r5a、XRNT, XDBL、R16M01D05、 Pzdc、好、好！、天哪！、RDM、 RRK、加密RS、crjoker、EnCipErEd、LeChiffre

      Cloud Manager會在Cloud Volumes ONTAP 啟用FPolicy on功能時建立此範圍。此清單是根據常見的勒索軟體檔案類型。您可以使用Cloud Volumes ONTAP 來自於整個CLI的_vserver fpolicy scoon__命令來自訂封鎖的副檔名。



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