在VMWare ESXi主機上安裝虛擬Cisco Unified SIP代理(vCUSP)

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簡介

本文檔介紹在ESXi主機上安裝Virtual vCUSP的過程。

必要條件

需求

思科建議您瞭解以下主題:

- Cisco整合SIP代理(CUSP)
- 整合運算系統(UCS)伺服器

在應用本文檔中介紹的步驟之前所需的專案和操作

- Cisco Unified SIP Proxy(CUSP)OVA檔案。
- 整合運算系統(UCS)伺服器
- UCS伺服器上應安裝VMware ESXi(從版本5.1開始)。
- 部署CUSP OVA之前,應在ESXi主機上完成網路配置。
- 具有以下硬體要求的物理主機:
- vCPU = 2

記憶體= 4GB

- 硬碟= 80GB
- 網路:VLAN的IP地址
- VMware ESXi平台支援:支援的最低版本為5.1

採用元件

本檔案中的資訊是根據以下軟體版本:

- UCSC-C240-M4S伺服器。
- 部署的VMware ESXi版本: ESXi 6.0U2
- CUSP版本:- 9.0.1

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路正在作用,請確保您已瞭解任何指令可能造成的影響。

關於ESXi網路

本文檔利用ESXi主機上的標準交換機使用網路配置。您也可以使用分散式虛擬交換器(DVS)。

網路標準交換機虛擬交換機(vSwitch)負責將虛擬機器連線到虛擬網路。vSwitch的工作方式與物理交 換機類似(有一些限制),並控制虛擬機器彼此之間的通訊方式。

這是ESXi主機的標準交換機配置快照。



部署CUSP伺服器的步驟

- 步驟1. 在ESXi主機上部署CUSP OVA:
 - 按一下Browse</mark>選項,並從本地電腦上載CUSP OVA檔案。



步驟2. 確認OVF模板詳細資訊。



步驟3. 指定部署名稱,以便輕鬆識別裝置。

| @ 10.197.253.84 - vSphere Client | 5 | | | | - 🗆 × |
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| 8 C | | | | | |
| E 10.197.252.04 | had Ge | Deploy OVF Template Name and Location Specify a name and loca | ton for the deployed template | D X | whesh Add Networking Properties |
| 1 | | Source OVE Terrolate Details | Nane: | | |
| | • | Name and Location Disk Format Network Mapping Ready to Complete | [CLSP MANAGER 9.0.1 - adoegar] The name can contain up to 80 characters and it must be unique within the inventory folder. | | |
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_{步驟4.選}擇磁碟格式。

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| 8 10.197.252.84 | Objective OVF Template Object over the virtual disks? Object format In which format do you want to store the virtual disks? |
| | Sonce Only Transient Datain Name and Costone Network Mapping Ready to Complete Datastore: Springpath06-POrQ2010/09H Available space (SD): Table Format Network Mapping Ready to Complete Complete Available space (SD): 16.0 Table Provision Lazy Zenoed C Thick Provision Thick Provision |
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| Name Tarpe | Status Details Initiated by Requested Start TL Start Time Completed Time |
| 🛃 Taska | Evaluation Mode: 59 days remaining (root) |

步驟5. 選擇要部署裝置的VM網路。

| File Edit View Inventory Ad | Iministration Plug | -ins Help Inventory | | | | | | |
|--|--|--|---|---|----------------------------|---------|--|--|
| I0.197.252.84 #CBVM-FCH2101V85H | hol Witware Getting So Handware Health Proces Memory Storag • Networe | Source O'Template Deploy OVF Template Network Mapping What networks should the Source OVF Template Details Name and Jocoton | kaation (59 days remaining) he deployed template use? Map the networks used in this OVF t | × נ | Add Networking Propietties | | | |
| | Storing Network Paivet Software License Time C Orisi at Authet | Osk Formal Retwork Happing Ready to Complete | Source Networks VM Network Description: | Destination Networks Storage Controller Management Network | | | | |
| | Securit Host C System Agent Advan | | | | Ψ. | | | |
| Recent Tasks | | | | < Back Next > | Cancel | Clear × | | |
| Name Tar | rpet | Status | Details Initiated by R | equested Start Tius 🖙 Start Time Comp | oleted Time | | | |

步驟6. 確認詳細資訊並按一下「完成」選項以部署VM。



步驟7. 正在進行VM安裝。



步驟8. CUPS VM部署已完成。突出顯示的是虛擬機器。



步驟9. 選擇CUSP VM,然後按一下Console頁籤。



步驟10. 輸入必要的詳細資訊以取得連線,例如IP位址、子網掩碼、預設閘道、DNS位址、NTP位址 使用者名稱/密碼。

| File View VM III IV IV | × |
|---|---|
| III I So I III III IIII IIII IIIIIIIIII | × |
| Number of active connections has changed. There are now 2 active connections to this console The you wish to start configuration now (y, n)? y | × |
| Do you wish to start configuration now (y,n)? y | |
| Do you wish to start configuration now (y,n)? у | |
| Do you wish to start configuration now (y,n)? y | |
| Do you wish to start configuration now (y,n)? y | |
| | |
| Are you sure (y,n)? y | |
| | |
| Service Engine IP Configuration * | |
| | |
| Please enter the IP address of your module: 10.197.252.66 Please enter the netwask of your module: 255.255.255.224 | |
| Please enter the default gateway for your module: 10.197.252.65 | |
| The following IP configuration is set: | |
| IP : 10.197.252.66 | |
| GATEWAY: 10.197.252.65 | |
| Do you wish to use this configuration (y,n) [n] y | |
| Enter Hostname | |
| (My-hostname, or enter to use se-10-197-252-66): CUSP-HDUEGHR | |
| Enter Domain Name (mydomain.com, or enter to use localdomain): _ | |
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步驟11.儲存配置後,開始安裝shell指令碼。

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步驟12. 準備使用CUSP VM。

CUSP MANAGER 9.0.1 - adoegar on hx1 X File View VM Number of active connections has changed. There are now 2 active connections to this console × STARTED: /usr/bin/ftpd_startup.sh STARTED: /bin/products/cusp/smartAgent_startup.sh Waiting 19 ... IMPORTANT:: IMPORTANT:: IMPORTANT:: Administrator Account Creation IMPORTANT:: Create an administrator account. IMPORTANT:: Give an administration account. IMPORTANT:: With this account, you can log in to the IMPORTANT:: Cisco Unified SIP Proxy IMPORTANT:: GUI and run the initialization wizard. IMPORTANT::: Enter administrator user ID: (user ID): admin Enter password for admin: (password): Confirm password for admin by reentering it: (password): SYSTEM ONLINE CUSP-ADOEGAR# _

步驟13. 在Web瀏覽器上鍵入IP地址並登入到CUSP伺服器。





使用命令列介面(CLI)在vCUSP上配置子介面

您可以在vCUSP中定義多個子介面,並且從vCUSP端對子介面的數量沒有特定限制。

以下是建立子介面的一個示例。

- **1.** 開啟vCUSP的SSH會話
- 2. 在configure terminal:

Interface FastEthernet 0.10
ip address 10.64.86.229 255.255.0.0
end

3.發出命令**show interfaces**以驗證:

```
se-10-106-108-78# sh interfaces
TastEthernet 0 is up, line protocol is up
 Internet address is 10.106.108.78 mask 255.255.255.224 (configured locally)
    32 packets input, 2244 bytes
    0 input errors, 0 dropped, 0 overrun, 0 frame errors
    36 packets output, 2408 bytes
    0 output errors, 0 dropped, 0 overrun, 0 collision errors
    0 output carrier detect errors
FastEthernet 1 is up, line protocol is up
    3 packets input, 180 bytes
    0 input errors, 0 dropped, 0 overrun, 0 frame errors
    7 packets output, 618 bytes
    0 output errors, 0 dropped, 0 overrun, 0 collision errors
    0 output carrier detect errors
FastEthernet 0.709 is up, line protocol is up
 Internet address is 10.106.108.89 mask 255.255.255.224 (configured locally)
    0 packets input, 0 bytes
    0 input errors, 0 dropped, 0 overrun, 0 frame errors
    4 packets output, 384 bytes
    0 output errors, 0 dropped, 0 overrun, 0 collision errors
    0 output carrier detect errors
astEthernet 0.10 is up, line protocol is up
 Internet address is 10.106.108.89 mask 255.255.255.224 (configured locally)
    0 packets input, 0 bytes
    0 input errors, 0 dropped, 0 overrun, 0 frame errors
    4 packets output, 384 bytes
    0 output errors, 0 dropped, 0 overrun, 0 collision errors
    0 output carrier detect errors
```

附註:現在無法在FastEthernet 1上建立子介面。