在Cisco MSE 3365上安裝CMX 10.5

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簡介

本文檔將指導網路管理員在MSE 3365裝置上安裝Cisco CMX 10.5。此過程還包括有關如何設定安裝所需的思科整合管理控制器(CIMC)的說明。

附註:無法從CMX 10.2、10.3或10.4升級到10.5。需要全新安裝。如果嘗試直接升級,則會 彈出以下錯誤消息:

MD5不匹配,看起來cmx檔案已損壞。請重新下載,然後重試。

從10.5版本升級到更新版本(例如,從10.5.0-206升級到10.5.1-26)可通過GUI完成:系統 — >設定 — >升級

安裝10.5.1時,為了避免觸及CSCvn64747,建議先安裝10.5.0,然後升級到10.5.1。

必要條件

需求

Cisco MSE 3365。

Cisco CMX 10.5 ISO檔案。

採用元件

本指南中使用的元件:

- •採用CIMC版本2.0(3i)的Cisco MSE 3365,
- •思科互連行動體驗版本10.5.0-206。
- 運行MacOS Mojave和Google Chrome作為網路瀏覽器的MacBook。

設定

CIMC配置和KVM啟動

步驟1插入顯示器和鍵盤。啟動電腦。按F8進入CIMC配置:

圖1.啟動螢幕

ıılıılı cısco

Press <F2> Setup, <F6> Boot Menu, <F7> Diagnostics, <F8>Cisco IMC Configuration, <F12> Network Boot

Bios Version : C220M4.2.0.3d.0.111120141447 Platform ID : C220M4

Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC MAC Address : 78:BA:F9:ED:8F:68

Processor(s) Intel(R) Xeon(R) CPU E5–2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz Entering CIMC Configuration Utility...

步驟2 配置CIMC引數,按F10儲存並等待45秒以應用更改。按F5刷新並驗證設定是否已應用。按一下ESC退出。

圖2. Cisco CIMC配置實用程式



要從您的網路訪問CIMC,請通過裝置背面的管理埠將MSE 3365連線到交換機。

圖3.管理介面



步驟3 在Chrome Web瀏覽器中,前往http://<cimc_ip_address>。如果需要許可權才能運行Adobe Flash player,請按**get Adobe flash player和Allow**:

圖4. 啟動CIMC介面



步驟4 首次登入時,預設使用者名稱將為admin。預設密碼為password。

圖5. CIMC GUI訪問



步驟5 按Launch KVM Console,然後按OK。如果您正在運行CIMC v2(圖5),則運行KVM需要 Java 1.6.0_14版或更高版本。

圖6.在CIMC v2上啟動KVM控制檯

| Cisco Integra | ated Managemen | t Controller | | Cisco IMC Hostname: Logged in as: | C220-FCH1915349W admin@10.61.78.71 | |
|-----------------------|---------------------|--------------------------|--|--------------------------------------|---------------------------------------|---------|
| cisco | | | | | | Log Out |
| Overall Server Status | C J 🕹 🖩 🜑 | 0 | | | | |
| Good | Server Summary | | | | | |
| Server Admin Storage | Actions | Server Properties | | | | |
| Cumment | L Power On Server | Product Name: | | | | |
| Inventory | | Serial Number: | | | | |
| Sensors | Power on server | PID: | The KVM Viewer requires Java 1.6.0_14 or higher for proper functioning. It seems that | | | |
| Remote Presence | Shut Down Server | UUID: | you have either not installed Java or has Java lower than 1.6.0.14. Would you still | | | |
| BIOS | Power Cycle Server | BIOS Version: | like to continue? | | | |
| Power Policies | Hard Reset Server | Description: | [] [] | | | |
| Faults and Logs | Launch KVM Console | | | J | | |
| Troubleshooting | Turn On Locator LED | Server Status | | | | |
| | | Power State: | Read | | | |
| | | Temperature: | 2 Good | | | |
| | | Overall DIMM Status: | V Good | | | |
| | | Power Supplies: | V Good | | | |
| | | Fans | V Great | | | |
| | | Locator LED: | () of | | | |
| | | Overall Storage Status: | Good | | | |
| | | | | J | | |
| | | Server Utilization | | | | |
| | | Overall Utilization (%): | 1 | | | |
| | | Memory Utilization (%): | | | | |
| | | 10 Utilization (%): | | | | 2 |
| | | | | | Save Changes Reset | Values |
| | | | | | | |

CIMC v3(圖6)支援HTML5介面,不需要Java。

圖7.基於HTML的KVM



如果您決定使用基於HTML的KVM,您必須啟用彈出視窗或按一下連結手動開啟彈出視窗。

圖8.啟用彈出視窗

| | 🖬 🌣 |
|--|---|
| Pop-Up blocker is enabled. Please disable Pop-Up blocker or add the address bdsol-aci20-c240m4-1 to the allowed sites. | Pop-ups blocked: https://bdsol-aci20-c4-1:/html/kvmViewer.html Always allow pop-ups and redirects from https:// bdsol-aci20-c240m4-1 Continue blocking |
| C240-FCH1933V245 | Manage Done |
| 10.48.31.157 | |
| EC:BD:1D:09:2B:6A | |

步驟6 啟動KVM後,按**Virtual Media並啟用Virtual Devices**。啟用虛擬裝置後,下拉選單將展開並顯示其他選項。按「MAP CD/DVD」以對映ISO檔案:

圖9.對映虛擬介質

| Ś | Cisco Virtual KVM Console | File | View | Macros | Tools | Power | Virtual Media | Help | |
|-----|---------------------------|------|------|--------|-------|-------|---------------|----------------|-------------|
| • • | • | | | | | _ | Create Im | age | KVM Console |
| | | | | | | | 🗸 Activate V | îrtual Devices | |
| τ. | - + - 1 (D) D + | ~ | | 4 00 | 4 | - | Map CD/D | VD | |
| | NTEICKJ BOOT | н | gen | τuE | V1 | .5.3 | Map Remo | ovable Disk | |
| C | opyright (C) | 1 | 997 | -201 | 4, | Int | Map Flop | by | Jn |

步驟7 選擇下載的CMX影象,然後按**Map Device**。按下後,「Virtual Media(虛擬媒體)」選單將 再次展開,以顯示對映的映像:

圖10.對映虛擬介質

| ver | Virtual Media | Help | 💿 🖸 📀 |
|-----|-------------------|--|--------|
| | | 10.48.39.239 - KVM Console | |
| • | | Virtual Media - Map CD/DVD | |
| | Drive/Image File: | CISCO_CMX-10.5.0-206.is ≎ ✓ Read Only | Browse |
| | | Map Device | Cancel |

圖11.下拉選單將展開並顯示對映映像檔名

| Virtual Media | Help 😋 |
|-----------------------------------|---|
| Create Im | age |
| Activate V | 'irtual Devices |
| CISCO_CM Map Remo Map Flopp | MX-10.5.0-206.iso Mapped to CD/DVD ovable Disk oy |

步驟8 檢查映像是否正確連線後,前往Power索引標籤,然後選擇Reset System(warm boot)以重設 電腦。啟動過程中,按F7開始安裝對映映像:

圖12. KVM上的電源選項





CMX映像安裝

步驟1 選擇使用當前控制檯安裝CMX以繼續安裝。選定後,安裝指令碼將開始載入:

圖14. CMX安裝方法選擇



圖15. CentOS安裝指令碼跟蹤



步驟2 安裝程式啟動後,將要求確認。輸入**yes**,然後按Enter繼續安裝。「是」可能出現在左上角 :

圖16.繼續安裝的提示可能不一致



圖17.按下Enter鍵後,安裝將開始

| • • • | | 10.48.39.239 - KVM Console | 2 |
|-------|--|---|--|
| | 3) [x] Installation source (Local media) | (x) Software selection (Minimal Install) (x) Kauma | Exit Code: 0x01 |
| | (Custom partitioning selected |) (Kdump is enabled) | MID16 VIFCOal |
| | 7) [] Metwork configuration | I User creation | |
| | (Not connected) | (No user will be created) | |
| | | | UD 8 (target id: 8) success |
| | Promess | | Exit Code: 8x88 |
| | Setting up the installation environme | nt | BATE 00001 0000 |
| | | Set Read Policy to Adaptive ReadAhead | on Adapter 8, VD 8 (target id: 8) success |
| | Creating disklabel on /dew/sda | | |
| | | | Exit Code: 0 |
| | Creating Xfs on /dev/sda2 | | |
| | Creating xfs on /dev/sda5 | Set Cache Policy to Direct on Adapter | 0, VD 0 (target id: 0) success |
| | Creating swap on /dev/sda6 | | Exit Code: 8x80 |
| | Creating xfs on /dev/sda3 .ether RAID18 is configured properly= | - | ==Test w |
| | Creating xfs on /dew/sda1 | | |
| | | RAID18 virtual drive configured and w | working |
| | Running pre-installation scripts | | Modify grub configuration for naming interfa |
| | .cs Starting mackage installation process | | |
| | Preparing transaction from installation | on source | |
| | Installing libgcc (1/293) | | |
| | Installing grub2-common (2/293) | | |
| | Installing centos-release (3/293) | | |
| | Installing setup (1/293) | | |
| | Installing happrinten (6/292) | | |
| | Installing grub2-nc-modules (7/293) | | |
| | Installing bind-license (8/293) | | |
| | Installing neurses-base (9/293) | | |
| | Installing firewalld-filesystem (18/2 | 93) | |
| | Installing tzdata (11/293) | | |
| | Installing glibc-common (12/293) | | |
| | Installing mss-softokn-freebl (13/293) |) | |
| | Installing libstdc++ (15/293) | | |
| | Installing neurses-libs (16/293) | | |
| | Installing bash (17/293) | | |
| | Installing libsepol (18/293) | | |
| | Installing pere (19/293) | | |
| | | | |

步驟3 安裝期間,提示符將顯示**Performing post-installation tasks**。這需要使用者按Enter鍵,才能 繼續安裝過程,該過程大約需要20-30分鐘:

圖18.提示資訊



CMX初始設定

步驟1 安裝完成後,電腦將自動重新啟動。這一次,在引導時不要按任何鍵:

圖19.無需任何使用者輸入即可繼續啟動過程

| Press <f2> Setup, <f6> Boot Menu, <f7> Diagnostics, <f8>Cisco IMC Configuration, Kf12> Network Boot Bios Version : C220M4.2.0.3d.0.111120141447 Platform ID : C220M4 Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC IPv4 Address : 78:BA:F9:ED:8F:68 Processor(s) Intel(R) Xeon(R) CPU E5-2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz</f8></f7></f6></f2> | 10.48.39.239 - KVM Console |
|---|--|
| <pre>Press <f2> Setup, <f6> Boot Menu, <f7> Diagnostics, <f8>Cisco IMC Configuration, <f12> Network Boot</f12></f8></f7></f6></f2></pre> Bios Version : C220M4.2.0.3d.0.111120141447 Platform ID : C220M4 Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC MAC Address : 78:BA:F9:ED:8F:68 Processor(s) Intel(R) Xeon(R) CPU E5-2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz | |
| <pre>Press <f2> Setup, <f6> Boot Menu, <f7> Diagnostics, <f8>Cisco IMC Configuration, <f12> Network Boot</f12></f8></f7></f6></f2></pre> Bios Version : C220M4.2.0.3d.0.111120141447 Platform ID : C220M4 Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC MAC Address : 78:BA:F9:ED:8F:68 Processor(s) Intel(R) Xeon(R) CPU E5-2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz | ıılııılıı cısco |
| Bios Version : C220M4.2.0.3d.0.111120141447 Platform ID : C220M4 Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC MAC Address : 78:BA:F9:ED:8F:68 Processor(s) Intel(R) Xeon(R) CPU E5-2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz | Press <f2> Setup, <f6> Boot Menu, <f7> Diagnostics, <f8>Cisco IMC Configuration, <f12> Network Boot</f12></f8></f7></f6></f2> |
| Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC MAC Address : 78:BA:F9:ED:8F:68 Processor(s) Intel(R) Xeon(R) CPU E5-2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz | Bios Version : C220M4.2.0.3d.0.111120141447 Platform ID : C220M4 |
| Processor(s) Intel(R) Xeon(R) CPU E5–2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz | Cisco IMC IPv4 Address : 10.48.39.239 Cisco IMC MAC Address : 78:BA:F9:ED:8F:68 |
| | Processor(s) Intel(R) Xeon(R) CPU E5–2650 v3 @ 2.30GHz Total Memory = 64 GB Effective Memory = 64 GB Memory Operating Speed 2133 Mhz |

圖20.思科CMX初始登入



步驟3 系統提示您更改root和cmxadmin使用者的密碼。必須滿足密碼規範:

圖21.設定Cisco CMX密碼

10.48.39.239 - KVM Console ****** Adding default swap space ****** Password Specification ** Password must have 8 to 20 alphanumeric characters... ** ... starting with an alpha character ** Password must contain a digit and must also contain... ** ...digit keys special characters Setting new password for *root* Password: Confirm: Password changed successfully for root Setting new password for *cmxadmin* Password: Confirm:

步驟4 設定網路引數。需要能夠訪問網關和DNS才能應用網路設定。如果網路引數無法訪問,系統 將提示您再次配置網路引數。如果網路引數可以訪問,Keepalive服務將重新啟動。在此過程中,請 勿按Enter鍵!!!

圖22.初始設定時的網路配置

10.48.39.239 - KVM Console

******* ******* Configuring Network... ******* Please enter hostname: cmx-wlaaan Please enter IP address: 10.48.71.41 Please enter netmask: 255.255.255.128 Please enter gateway: 10.48.71.5 Please enter DNS server: 10.48.71.33 Please enter search domain name: cmxwlaaan.cisco.com Are the network settings correct?: yes Stopping keepalived service Verify keepalived service has been stopped Successfully stopped the keepalived service. Starting keepalived service

圖23.如果網關無法訪問,網路配置提示符將出現

Restarting network... Pinging 127.0.0.1.... Success Pinging 10.48.71.41.... Success Pinging Failed Error: The network is not configured properly Do you want to configure the network again?: _

步驟5 重新啟動keepalive服務後,安裝將提示輸入NTP伺服器IP地址、區域和國家/地區。如果未使用NTP,提示符將跳至Time zone和time/date配置。

圖24. NTP和時區配置

10.48.39.239 - KVM Console

Restarting network... Pinging 127.0.0.1.... Success Pinging 10.48.71.41..... Success Pinging 10.48.71.5.... Success Network configuration completed successfully Checking if the machine meets required specification... ----* *----*---*-----| Check | Minimum Required | Actual | Result | | Memory | 24GB 1 63GB ł --+ I CPU 18 1 20 . . . | Disk | 150GB ¦ 1167GB | ∎ . ---+-----i hostname i RFC Compliant Hostname i cmx-wlaaan i 🗉 🛛 i +----+----+---------+---Configuring NTP Server... ******** Please enter the NTP server name (blank for no NTP server) []: 10.48.71.33 Setting ntp server 10.48.71.33 Configuring Timezone and date... Please identify a location so that time zone rules can be set correctly. Please select a continent or ocean. 1) Africa Americas 3) Antarctica 4) Arctic Ocean 5) Asia 6) Atlantic Ocean Australia 8) Europe 9) Indian Ocean 10) Pacific Ocean 11) none - I want to specify the time zone using the Posix TZ format. #? 8_

圖25.國家選擇

Please select a country.

1) Albania 18) Guernsey 19) Hungary 2) Andorra 3) Austria 20) Ireland 21) Isle of Man 4) Belarus 22) Italy 5) Belgium 6) Bosnia & Herzegovina 23) Jersey 24) Latvia 7) Britain (UK) 8) Bulgaria 25) Liechtenstein 9) Croatia 26) Lithuania 10) Czech Republic 27) Luxembourg 28) Macedonia 11) Denmark 12) Estonia 29) Malta 30) Moldova 13) Finland 14) France 31) Monaco 15) Germany 32) Montenegro 33) Netherlands 16) Gibraltar 17) Greece 34) Norway #? 5 The following information has been given:

- 35) Poland
- 36) Portugal
- 37) Romania
- 38) Russia
- 39) San Marino
- 40) Serbia
- 41) Slovakia
- 42) Slovenia
- 43) Spain
- 44) Sweden
- 45) Switzerland
- 46) Turkey
- 47) Ukraine
- 48) Vatican City
- 49) Åland Islands

Belgium

Therefore TZ='Europe/Brussels' will be used. Local time is now: Mon Dec 17 22:08:50 CET 2018. Universal Time is now: Mon Dec 17 21:08:50 UTC 2018. Is the above information OK? 1) Yes 2) No #? 1 The Timezone selected is Europe/Brussels The current time is Mon Dec 17 21:08:58 UTC 2018

Enter Date (YYYY-mm-dd hh:mm:ss) (blank to sync with ntp): []:

步驟6 如果希望進行磁碟加密,則下一個提示會要求您選擇。CLI設定在此結束,其餘配置將通過 CMX Web介面(GUI)完成。

圖26.磁碟加密設定

| *************************************** |
|--|
| Disk Encryption |
| *************************************** |
| Do you want to encrypt the /opt partition of the disk ? [y/N]: n |
| *************************************** |
| CMX OS Configuration is complete. |
| Please visit below url to continue CMX configuration |
| *************************************** |
| |
| https://cmx-wlaaan:1984 |
| |
| [cmxadmin@localhost ~]\$ |

CMX節點安裝

通過https://<cmx_ip_address>:1984訪問CMX GUI。埠1984僅在初始設定或升級期間使用。

步驟1 使用cmxadmin user和先前配置的密碼登入。

圖27. CMX GUI節點安裝登入

| ← → C ▲ Not Secure https://10.48.71.41:1984/#login | | ☆ | • |) III | 8 | K 🖾 | • | = | 0 | : |
|--|---------------------------------|---|---|-------|---|-----|---|---|---|---|
| ultulti cax cisco | | | | | | | | | | |
| | | | | | | | | | | |
| | Welcome to the CMX Installation | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Sign in | | | | | | | | | |
| | © 2018 Cisco Systems, Inc. | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

步驟2 選擇CMX節點型別(位置或狀態)。 請注意,以後不能更改此項。選擇後,等待配置和啟動 完成。

圖28. CMX GUI節點選擇



圖29. CMX配置安裝

| ← → C ▲ Not Secure | https://10.48 | 3.71.41 :1984 | | | | | | | ¢ | • 🗉 | 0 5 | - 11 | 8.3 | : 🖂 | Ø | : |
|--------------------|---------------|----------------------|----|--|---------|---------------|--|--------------------|---|-----|--------|------|-----|-----|---|---|
| cisco | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | Welcom | e to t | he CMX In | stallation | | | | | | | | | |
| | 0 | Node Type | >0 | Services |) () | Configuration | 0 | Startup | > | 5 | Finish | | | | | |
| | | | | | | | Statu | s Console | | | | | | | | |
| | | | | ✔ Cache_6383 ฬ Cache_6384 ฬ Cache_6385 Gateway ฬ Consul ฬ Confd ฬ Database ฬ Cache_6378 ฬ Cache_6378 ฬ Cache_6381 ฬ Cache_6381 ฬ Cache_6381 ฬ Cache_6381 | | | Clesspywe Influxdb Cassandra Metrics Haproxy Configurat Iodocs Analytics Location Matabeng Nmspib Connect Hyperlocat | orker in ine | | | | | | | | |
| | | | | | Configu | ring Cassand | ra | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

圖30. CMX啟動服務

| ← → C ▲ Not Secure h | ttps://10.48. | 71.41:1984 | | | | | | | $\dot{\mathbf{T}}$ | ٢ | | 0 | 9 11 | H | 20 | 8 | Ø | 1 |
|------------------------|---------------|------------|-----|------------------------------|---------|---------------|--------------------------------|------------|--------------------|---|---|--------|------|---|----|---|---|---|
| cisco cax | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | Welcome | e to ti | he CMX In | stallatior | n | | | | | | | | | | |
| | 0 | Node Type |) 0 | Services | 8 | Configuration | 0 | Startup | \geq | 6 | | Finish | | 1 | | | | |
| | | | | | | | State | Consola | | | | | | 1 | | | | |
| | | | | • Casha 6202 | | | Olectron | is console | | | | | | | | | | |
| | | | | Cache_6384 | | | Qiesspyw | orker | | | | | | | | | | |
| | | | | Cache_6385 | | | Cassandra | 8 | | | | | | | | | | |
| | | | | Gateway | | | Metrics | | | | | | | | | | | |
| | | | | ✓ Confid | | | Configural | tion | | | | | | | | | | |
| | | | | Database | | | ✓ lodocs | | | | | | | | | | | |
| | | | | Cache_6378 | | | nalytics | | | | | | | | | | | |
| | | | | Cache_6379 | | | V Location | nine | | | | | | | | | | |
| | | | | Cache_6381 | | | A Nmsplb | 9-10 | | | | | | | | | | |
| | | | | Cache_6382 | | | Connect | | | | | | | | | | | |
| | | | | | | | Hyperlocal | tion | | | | | | | | | | |
| | | | | | | 13% | | | | | | | | | | | | |
| | | | | | Starte | d Cassandra | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | _ | | _ | | | | | | | |

步驟3 按Please click to continue setup

圖31. CMX安裝完成

| | | | Welcome | e to ti | he CMX Ir | istallatio | n | | |
|---|-----------|---|--|----------|---------------------|---|---------------|---|--------|
| 0 | Node Type | 2 | Services | 3 | Configuration | 4 | Startup | 5 | Finish |
| | | | | | | Sta | tus Console | | |
| | | | Cache_6383 Cache_6384 Cache_6385 | | | ✓ Qlesspy Influxdb Cassand | worker Ira | | |
| | | | Gateway Consul Confd Database | | | Metrics Haproxy Configure Iodocs | ration | | |
| | | | Cache_6378 Cache_6379 Cache_6380 | | | Analytic♀ Location♥ Matlabe | s ngine | | |
| | | | Cache_6381 Cache_6382 | | | ♣ Nmsplb ⑦ Connec ♥ Hyperloc | tation | | |
| | | | Pleas | se click | 100% to continue | setup | | | |
| | | | | | | | | | |

安裝過程現已完成。現在您已重定向至設定助手,以完成節點的特定配置(對映匯入、與無線控制 器和郵件伺服器配對)。

圖32. CMX基本設定助手

| ← → C ▲ Not Secure M | tps://10.48.71.41/configure/#das | hboard | × 📬 🗄 | 1 o 🖓 🔛 🗑 🖬 I 🔘 E |
|-----------------------------------|----------------------------------|---|-------------------------------|----------------------------------|
| cisco 10.5.0-206 | SETUP ASSISTANT | ୧ ୫୬ ବ ୪% | Å | admin ~ |
| | | | | ard Alerts Patterns Metrics |
| | Introduction | Welcome to CMX | | |
| System at a Glar | Set New Password | Please proceed through this setup assistant to get your | system up and running. | © Settings |
| Node IP Address | Maps and Controllers | | | Memory CPU |
| | Mail Server | | | |
| cmx-wlaaan 10.48.71.4 | O Done! | | | 14.60% 1.41% |
| | | | | |
| | | | | |
| | | | | |
| Coverage Details | | | | |
| Access Points | | □ D | o not show setup again Cancel | Next System Time |
| Placed Missing Active AP AP AP | AP Campus Build | ling Floor Zone Total Client Client | Tag Tag Interferer AP | Client Total Mon Dec 17 22:18:17 |
| 0 0 0 | 0 | 0 0 0 | 0 0 0 0 | 0 0 |