

ةيواح" تيبتت في vManage لشي في اذامل ام زاهج لعل "نامال قيبطت

تايوتحمل

[ةمدقمل](#)

[ةلكشمل](#)

[لحل](#)

[عجارمل](#)

ةمدقمل

نامال جهن مادختسا دنع نامال قيبطت ةيواح تيبتت بقلعتت ةلكشم دنستسمل اذه فصبي
هلح ةيوفيكو "زاهجال بلاق" في

ةلكشمل

نامال قيبطت ةيواح تيبتت بلطتي نامال جهن ب"زاهجال بلاق" قافرا مدختسمل لعل رذعتي
vManage لعل أطخال اذه عم

```
Failed to install 1/1 Security App container (app-hosting-UTD-Snort-Feature-aarch64_be-1.0.8_SV2.9.11.1_XE16.10). Failed to enabled iox: null
05 Apr 2019 11:46:09 AM IST
[5-Apr-2019 6:16:09 UTC] Total number of Security App containers to be installed: 1. Security App containers to be installed are following: [app-hosting-UTD-Snort-Feature-aarch64_be-1.0.8_SV2.9.11.1_XE16.10]
[5-Apr-2019 6:16:09 UTC] Started 1/1 Security app container (app-hosting-UTD-Snort-Feature-aarch64_be-1.0.8_SV2.9.11.1_XE16.10) installation
[5-Apr-2019 6:16:10 UTC] Checking if iox is enabled on device
[5-Apr-2019 6:16:18 UTC] Failed to install 1/1 Security App container (app-hosting-UTD-Snort-Feature-aarch64_be-1.0.8_SV2.9.11.1_XE16.10).
Failed to enabled iox: null
```

أطخال اذه ةطحال م نكمي vManage م كحتللا ةدحو لعل `/var/log/nms/vmanage-server.log` نم

```
05-Apr-2019 08:41:54,488 UTC ERROR [vManage] [AppHostingTemplateProcessor] (device-action-lxc_install-10) |default| Error while enabling iox on device-C1111X-8P-FGL230513Y0-1.1.1.1: rpc-reply error: <rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="5">
  <rpc-error>
    <error-type>application</error-type>
    <error-tag>invalid-value</error-tag>
    <error-severity>error</error-severity>
    <error-message unknown:lang="en">inconsistent value: Device refused one or more commands</error-message>
    <error-info>
      <severity xmlns=" http://cisco.com/yang/cisco-ia">error_cli</severity>;
      <detail xmlns=" http://cisco.com/yang/cisco-ia">;
      <bad-cli>
        <bad-command>iox</bad-command>
```

```

        <error-location>1</error-location>
        <parser-response/>          </bad-cli>
    </detail>
</error-info>
</rpc-error>
</rpc-reply>

at com.tailf.jnc.NetconfSession.recv_rpc_reply_ok(Unknown Source) [JNC-1.2.jar:]
at com.tailf.jnc.NetconfSession.recv_rpc_reply_ok(Unknown Source) [JNC-1.2.jar:]
at com.tailf.jnc.NetconfSession.commit(Unknown Source) [JNC-1.2.jar:]
at
com.viptela.vmanage.server.device.common.NetConfClient.commitAndUnlock(NetConfClient.java:458)
[classes:]
at
com.viptela.vmanage.server.deviceaction.processor.config.AppHostingTemplateProcessor.checkAndEnableIox(AppHostingTemplateProcessor.java:358) [classes:]
at
com.viptela.vmanage.server.deviceaction.processor.config.AppHostingTemplateProcessor.preTemplatePushCheck(AppHostingTemplateProcessor.java:173) [classes:]
at
com.viptela.vmanage.server.deviceaction.processor.service.lxc.LxcInstallActionProcessor$LxcInstallActionWorker.startMaintenanceDeviceActions(LxcInstallActionProcessor.java:340) [classes:]
at
com.viptela.vmanage.server.deviceaction.DefaultActionWorker.startDeviceAction(DefaultActionWorker.java:82) [classes:]
at
com.viptela.vmanage.server.deviceaction.AbstractActionWorker.call(AbstractActionWorker.java:117) [classes:]
at
com.viptela.vmanage.server.deviceaction.AbstractActionWorker.call(AbstractActionWorker.java:35) [classes:]
at java.util.concurrent.FutureTask.run(FutureTask.java:266) [rt.jar:1.8.0_162]
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149) [rt.jar:1.8.0_162]
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624) [rt.jar:1.8.0_162]
at java.lang.Thread.run(Thread.java:748) [rt.jar:1.8.0_162]

```

```

05-Apr-2019 08:41:54,496 UTC ERROR [vManage] [LxcInstallActionProcessor] (device-action-lxc_install-10) |default| On device C1111X-8P-FGL230513Y0-1.1.1.1, Failed to install 1/1 Security App container (app-hosting-UTD-Snort-Feature-aarch64_be-1.0.8_SV2.9.11.1_XE16.10). Failed to enabled iox: null
05-Apr-2019 08:41:54,524 UTC INFO [vManage] [DeviceActionStatusDAO] (device-action-lxc_install-10) |default| End task lxc_install
05-Apr-2019 08:41:54,533 UTC INFO [vManage] [DeviceActionStatusDAO] (device-action-lxc_install-10) |default| Publish client event: ACTIVITY
05-Apr-2019 08:41:54,533 UTC INFO [vManage] [DeviceActionStatusDAO] (device-action-lxc_install-10) |default| Publish client event: DEVICE_ACTION

```

في لش ف" تامول عمل اب ةئيل لم لا ريغ لئاسر لا ضع ب رهظت ،هال عأ كلذ ةظحال م نكم مي امك فاك ريغ ةرك اذلا رادقم نأ نا حال الضعب في في نعي امم ني رادصإل الك في "غراف iox: نكي ممت زاهجال اب هقافرا مت يذل ددح مل نامأل ا قيبطت ةفاضتسا في رعت فل مل

لجال

"نامأل تاقيبطت ةفاضتسا" في رعت فل مل ببسب ةرك اذلا اب لكاشم ثودح هاب تشال ارظن ،يضارت فال في رعتال فل مل مادختسا فاشتكا م ث هنم ققحتال متي

SECURITY POLICY PARAMETERS

NAT

On Off

Resource Profile

ةركاذ نوكت ال امدنع لكاشم ببسي هنأ فورعمل نم يذلا ليعال فللمل نم ضيقنل لىل عة.ةفاك زاهال

هجوملا نأ فاشتكا متو هسفن زاهال لىل عةركاذلا كالهتسا نم ققحتل مت ،ةيلات ةوطخكو تياباجي ج 1 ةس ةركاذ لىل عةوتحي تياباجي ج 8 ةس يئوشع لوصو ةركاذ عم C111X (ةرحل ةركاذل نأ ةظحال م يجرى) طقف

```
cEdge10#show memory platform
Virtual memory      : 11512180736
Pages resident     : 730200
Major page faults  : 2501
Minor page faults  : 114581800

Architecture       : aarch64_be
Memory (kB)
  Physical         : 3758804
  Total            : 3758804
  Used             : 2620884
  Free             : 1137920
  Active           : 2191472
  Inactive         : 807536
  Inact-dirty      : 0
  Inact-clean      : 0
  Dirty            : 0
  AnonPages        : 1473636
  Bounce           : 0
  Cached           : 1212660
  Commit Limit     : 1813864
  Committed As     : 3224504
  High Total       : 0
  High Free        : 0
  Low Total        : 3758804
  Low Free         : 1137920
  Mapped           : 416524
  NFS Unstable     : 0
  Page Tables      : 17160
  Slab             : 170624
  Writeback        : 0

Swap (kB)
  Total            : 0
  Used             : 0
  Free             : 0
  Cached           : 0

Buffers (kB)       : 312844

Load Average
```

1-Min : 0.60
5-Min : 0.66
15-Min : 0.86

لوصو ةركاذى لىع يوتحي زاهجلى نأ نم دكأتلى مت **show version** جارخا نم تقولاسفن يف
(ةيداملى ةركاذلى ةظحالم) تياباجي 8 ةعس (RAM) يئوشع:

```
cisco C1111X-8P (1RU) processor with 1453914K/6147K bytes of memory.  
Processor board ID FGL230513Y0  
1 Virtual Ethernet interface  
10 Gigabit Ethernet interfaces  
32768K bytes of non-volatile configuration memory.  
8388608K bytes of physical memory.  
6336511K bytes of flash memory at bootflash:.
```

ققحتلى متي كذل، نامألى قيبطت ةيواح تيبتت ةينكمإ مدع ءارو ببسلى وه ةركاذلى صقن
ةيساسألى ةمظنألى ROMmon تابلطتم نم ىندألى دحلى دوجول ارظن ROMmon رادصإ نم
زاهجلى لىع رادصإلى اذه لىع روثعل مت. IOS-XE SD-WAN. ةموعدملى

```
cEdge10#show platform | b Firmware  
Slot          CPLD Version          Firmware Version  
-----  
0              17100501              16.8(1r)  
R0             17100501              16.8(1r)  
F0             17100501              16.8(1r)
```

ىندألى دحلى وه 16.9(1r) رادصإلى نوكي، رادصإلى تاطحالم اق فوو 16.10.2 جم انرب لىغشت دنع
ىرخأ ةرم ةرحلى ةركاذلى نم ققحتلى متي و ROMmon ةيقرت تمت كذل، ROMmon نم بولطملى

```
cEdge10#sh memory platform  
Virtual memory : 11516805120  
Pages resident : 708276  
Major page faults: 2303  
Minor page faults: 1705306
```

```
Architecture : aarch64_be  
Memory (kB)  
Physical : 8143440  
Total : 8143440  
Used : 2571908  
Free : 5571532  
Active : 2213868  
Inactive : 1128140  
Inact-dirty : 0  
Inact-clean : 0  
Dirty : 8  
AnonPages : 1410328  
Bounce : 0  
Cached : 1619664  
Commit Limit : 4006184  
Committed As : 3136948  
High Total : 0  
High Free : 0  
Low Total : 8143440  
Low Free : 5571532  
Mapped : 397692  
NFS Unstable : 0  
Page Tables : 17216  
Slab : 158776
```

Writeback : 0

8 و تي اباجي ج 5 ن ع دي زي ام) ةي ن اجم و ةي ل ع ف ة رك اذ دوج و ة ظ ح الم ي ج ري ، ه ا ل ع ا ج ا خ ا ل ا ن م (ك ل ل ذ ل ا ق و ت ي ا ب ا ج ي ج).

ه ق ا ف ر ا و ز ا ه ج ل ا ب ل ا ق ل ص ف م ت ي ش ي ح ي ر خ ا ة ر م ا ذ ه ن ا م ا ل ا ق ي ب ط ت ة ي و ا ح ت ي ب ث ت ل ي غ ش ت د ع ب ح ج ا ن ل ا ت ي ب ث ل ل و ح ل ل ا س ر ل ا ة د ه ا ش م م ت ي و ي ر خ ا ة ر م :

```
%IOSXE-5-PLATFORM: R0/0: VCONFD_NOTIFIER: Install status: cc761b3b-cb3b-4070-81de-9b842fd68b27
download-start. Message Downloading http://10.10.10.100:8080/software/package/lxc/app-
hosting_UTD-Snort-Feature-x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-
ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar?deviceId=10.10.10.10
%Cisco-SDWAN-cEdge10-action_notifier-6-INFO-1400002: R0/0: VCONFD_NOTIFIER: Notification:
4/5/2019 09:54:4 system-software-install-status severity-level:minor host-name:cEdge10 system-
ip:10.10.10.10 status:download-start install-id:cc761b3b-cb3b-4070-81de-9b842fd68b27
message:Downloading http://10.10.10.100:8080/software/package/lxc/app-hosting_UTD-Snort-Feature-
x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-
ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar?deviceId=10.10.10.10
%IOSXE-5-PLATFORM: R0/0: VCONFD_NOTIFIER: Install status: cc761b3b-cb3b-4070-81de-9b842fd68b27
download-complete. Message Downloaded app image to /bootflash/.UTD_IMAGES/app-hosting_UTD-Snort-
Feature-x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar
%Cisco-SDWAN-cEdge10-action_notifier-6-INFO-1400002: R0/0: VCONFD_NOTIFIER: Notification:
4/5/2019 09:54:5 system-software-install-status severity-level:minor host-name:cEdge10 system-
ip:10.10.10.10 status:download-complete install-id:cc761b3b-cb3b-4070-81de-9b842fd68b27
message:Downloaded app image to /bootflash/.UTD_IMAGES/app-hosting_UTD-Snort-Feature-
x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar
%IOSXE-5-PLATFORM: R0/0: VCONFD_NOTIFIER: Install status: 9fd36cd6-f601-4fac-a5b0-1a36f06ba18a
verification-complete. Message NOOP
%Cisco-SDWAN-cEdge10-action_notifier-6-INFO-1400002: R0/0: VCONFD_NOTIFIER: Notification:
4/5/2019 9:54:5 system-software-install-status severity-level:minor host-name:cEdge10 system-
ip:10.10.10.10 status:verification-complete install-id:cc761b3b-cb3b-4070-81de-9b842fd68b27
message:NOOP
%VMAN-5-PACKAGE_SIGNING_LEVEL_ON_INSTALL: R0/0: vman: Package 'iox-
utd_1.0.8_SV2.9.11.1_XE16.10.tar' for service container 'utd' is 'Cisco signed', signing level
cached on original install is 'Cisco signed'
%VIRT_SERVICE-5-INSTALL_STATE: Successfully installed virtual service utd
%IOSXE-5-PLATFORM: R0/0: VCONFD_NOTIFIER: Install status: cc761b3b-cb3b-4070-81de-9b842fd68b27
install-start. Message Success, App state: DEPLOYED
%Cisco-SDWAN-cEdge10-action_notifier-6-INFO-1400002: R0/0: VCONFD_NOTIFIER: Notification:
4/5/2019 09:54:5 system-software-install-status severity-level:minor host-name:ISR-4331 system-
ip:10.10.10.10 status:install-start install-id:cc761b3b-cb3b-4070-81de-9b842fd68b27
message:Success, App state: DEPLOYED
```

vManage ب ن ا ج ن م ت ي ب ث ل ل ا ح ا ج ن ي د م ة ي و ر ن ك م ي ا ن ه و :

```
[6-Apr-2019 12:38:13 CEST] Total number of Security App containers to be installed: 1. Security
App containers to be installed are following: [app-hosting-UTD-Snort-Feature-x86_64-
1.0.8_SV2.9.11.1_XE16.10]
[6-Apr-2019 12:38:13 CEST] Started 1/1 Security app container (app-hosting-UTD-Snort-Feature-
x86_64-1.0.8_SV2.9.11.1_XE16.10) installation
[6-Apr-2019 12:38:14 CEST] Checking if iox is enabled on device
[6-Apr-2019 12:38:17 CEST] Waiting for iox to be enabled on device
[6-Apr-2019 12:40:05 CEST] iox enable
[6-Apr-2019 12:40:05 CEST] Iox enabled on device
[6-Apr-2019 12:40:11 CEST] Security App container image: app-hosting_UTD-Snort-Feature-
x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar
[6-Apr-2019 12:40:19 CEST] Connection Instance: 0, Color: biz-internet
[6-Apr-2019 12:40:19 CEST] Downloading http://10.10.10.100:8080/software/package/lxc/app-
hosting_UTD-Snort-Feature-x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-
ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar?deviceId=10.10.10.10
[6-Apr-2019 12:56:45 CEST] Downloaded app image to /bootflash/.UTD_IMAGES/app-hosting_UTD-Snort-
```

```
Feature-x86_64_1.0.8_SV2.9.11.1_XE16.10_secapp-ucmk9.16.10.2.1.0.8_SV2.9.11.1_XE16.10.x86_64.tar
[6-Apr-2019 12:56:48 CEST]
[6-Apr-2019 12:57:19 CEST] Success, App state: DEPLOYED
[6-Apr-2019 12:57:27 CEST] utd installed successfully
Current state is deployed

[6-Apr-2019 12:57:27 CEST] app-hosting-UTD-Snort-Feature-x86_64 installed in DEPLOYED state
[6-Apr-2019 12:57:27 CEST] Finished 1/1 Security app container (app-hosting-UTD-Snort-Feature-
x86_64-1.0.8_SV2.9.11.1_XE16.10) installation
```

عجارج

- https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Security/Configuring_Security_Virtual_Image_for_IPS%2F%2FIDS_and_URL_Filtering
- https://sdwan-docs.cisco.com/Product_Documentation/Software_Features/Release_18.4/Release_Notes/Release_Notes_for_IOS_XE_SD-WAN_Release_16.10_and_SD-WAN_Release_18.4#ROMmon_Requirements_Matrix

ةمچرتل هذه لوج

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت
ملاعلاء انءمچي فني مدختسمل معدى وتحم مي دقتل ةيرشبل او
امك ةقيقد نوك تنل ةللأل ةمچرت لصف أن ةظحال مچري. ةصاخل مهتبل ب
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه
ىلإ أمئاد ةوچرلاب ي صؤت وتامچرتل هذه ةقد نع اهتيل وئسم Cisco
Systems (رفوتم طبارل) يلصلأل يزي لچنل دن تسمل