

CEDGES تاعومچم نم راج نيوكت ىلع لوصحلا ةجمر ب ةهجاو ءاعدتسا مادختسا ب ةددعتم تاقىب طتلا

تايوت حمللا

[ةمدقملا](#)

[ةلكشملا](#)

[تاقىب طتلا ةجمر ب ةهجاو ءاعدتسا ىلع ةماع ةرطن](#)

[يصن جمانرب يف Curl مادختسا](#)

ةمدقملا

فيكو vManage يف ةرفوتملا API تاءاعدتسا ضعب مادختسا ةيفيك دنتسملا اذه حضوي
يصن جمانرب مادختسا ب اهليغشتل اهفييك كتنكمي.

ةلكشملا

ةيشغتل ناك اذا عيجمتلا ةلهس امئاد تسيل vManage نم اهبلط كتنكمي يتلا تامولعمل
Cisco Edge تاهجوم نم فالآ وأ تائم ىلع يوتحت

الاثم:

ىلإ لقنتلا وه دحاولا Cisco Edge هجومل راج نيوكت ىلع لوصحلل ةطاسب قرطال رثكأ
ليغشتو (...) يواضيبلا لكشلا قوف رقنا ةكبشلا ةفاح ةمئاق > ةزهجال > نيوكتلا
عمو txt. قيسنت لثم رخآ فلم يف هظفحو هخسنو نيوكتلا عيجم ديدحت بجي م ث. نيوكتلا
امم Cisco Edge تاهجوم نم ديدعل نيوكت ىلع لوصحلل ديرت ام دنع ةلكشملا رهظت ،كلذ
تقول نم ريثكلال كلهتسيو ةقهرم ةمهمل هذه لعجي.

Catalyst SD-WAN

The network is out of compliance due to licensing, please [click here](#) for more actions. Snooze

Devices

WAN Edge List Control Components Unclaimed WAN Edges

WAN Edge List (7/527)

Q cedge

Export Bootstrap Configuration Sync Smart Account Add PAYG WAN Edges Upload WAN Edge List

Site Name	Hostname	Tags	Config Locked	Managed By	Device Status	Version	Reachability	Site ID	Mode	Config Group	Assigned Template	As of: Aug 2
SITE_101	cedge1	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	101	vmanage	-	C8k-Template-V1	
SITE_202	cedge2	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	202	vmanage	-	C8k-Template-V1	
SITE_203	cedge3	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	203	vmanage	-	C8k-Template-V1	
SITE_204	cedge4	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	204	vmanage	-	C8k-Template-V1	C8000v ...
SITE_205	cedge5	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	205	vmanage	-	C8k-Template-V1	C8000v ...
SITE_206	cedge6	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	206	vmanage	-	C8k-Template-V1	C8000v ...
SITE_207	cedge7	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑	207	vmanage	-	C8k-Template-V1	C8000v ...

Running Configuration
Local Configuration
Delete WAN Edge
Config Unlock
Change Device Values
Template Log
Device Bring Up

Catalyst SD-WAN

The network is out of compliance due to licensing, please [click here](#) for more actions.

Devices

WAN Edge List Control Components Unclaimed WAN Edges

WAN Edge List (7/527)

Q cedge

Export Bootstrap Configuration Sync Smart Account Add PAYG WAN Edges Upload WAN Edge List

Site Name	Hostname	Tags	Config Locked	Managed By	Device Status	Version	Reachability
SITE_101	cedge1	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑
SITE_202	cedge2	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑
SITE_203	cedge3	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑
SITE_204	cedge4	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑
SITE_205	cedge5	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑
SITE_206	cedge6	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑
SITE_207	cedge7	Add Tag	Yes	Template C8k-Template-V1	In Sync	17.14.01a.0.1470	↑

Running Configuration

Host: 40.40.40.1
Site ID: 204
Device Model: C8000v

```

system
 system-ip 40.40.40.1
 overlay-id 1
 site-id 204
 no transport-gateway enable
 port-offset 0
 control-session-pps 300
 admin-tech-on-failure
 sp-organization-name CISCORTPLAB
 organization-name CISCORTPLAB
 port-hop
 track-transport
 track-default-gateway
 console-baud-rate 9600
 no on-demand enable
 on-demand idle-timeout 10
 vbond 192.168.51.117 port 12346
 !
 banner login \x03Un authorised Logins tracked\x03
 banner motd \x03Restricted Use!\x03
 service timestamps debug datetime msec
 service timestamps log datetime msec
 service tcp-keepalives-in
 service tcp-keepalives-out
 no service tcp-small-servers
 no service udp-small-servers
 hostname cedge4
 username admin privilege 15 secret 9
 $0$3V6L3V6L2VUI2k$ysPx0DgI8RLjK9gMdmHdSHkdaMmhZGaUpch8tPfo
 vrf definition 10
 description Corporate
  
```

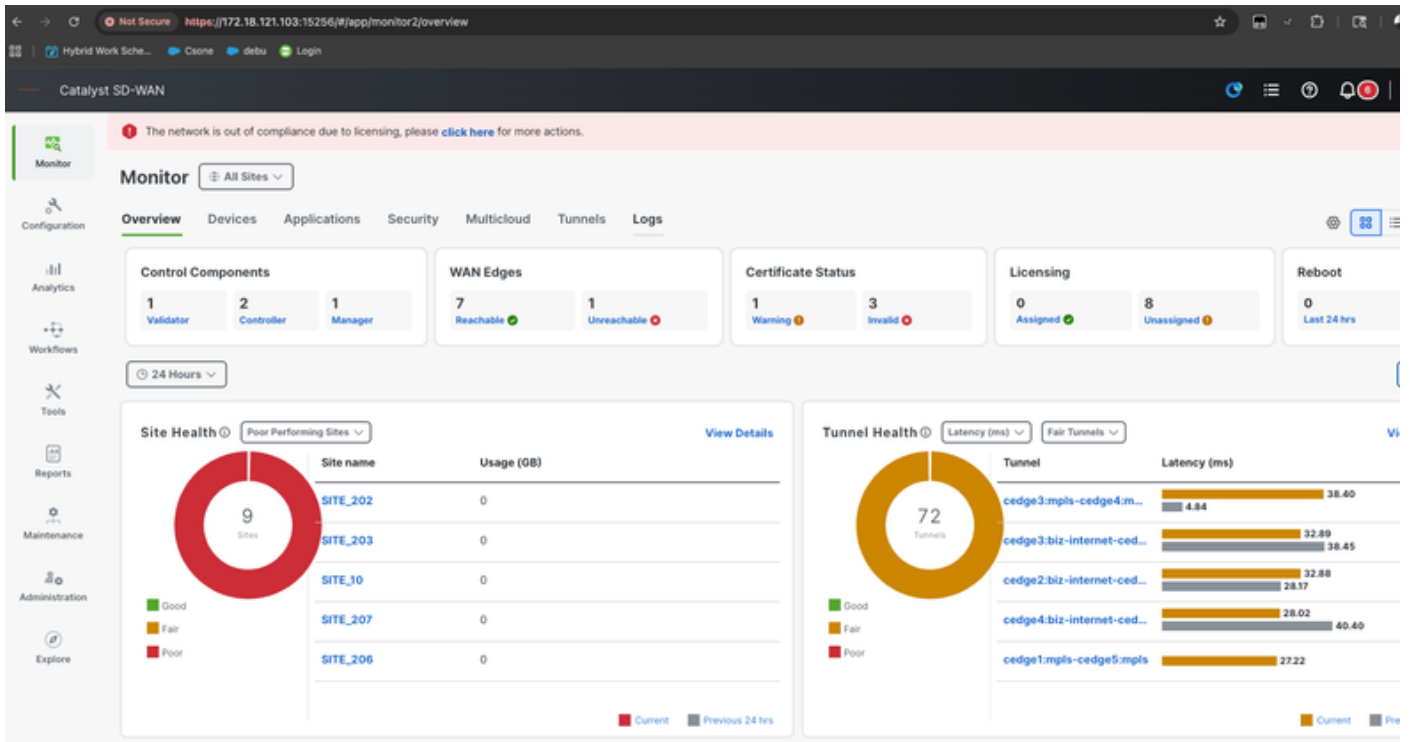
Close

تاقىب طتلا ةجر رب ةهجاو ءاعدتسإ ىل ءماع ءرطن

تامول ءملا ءىم ءىل ءلوص ءلل طىسب API ءاعدتسإ مءءءتسإ ءىفك ىل ءام وه ءارءال اءه ءول طملا .

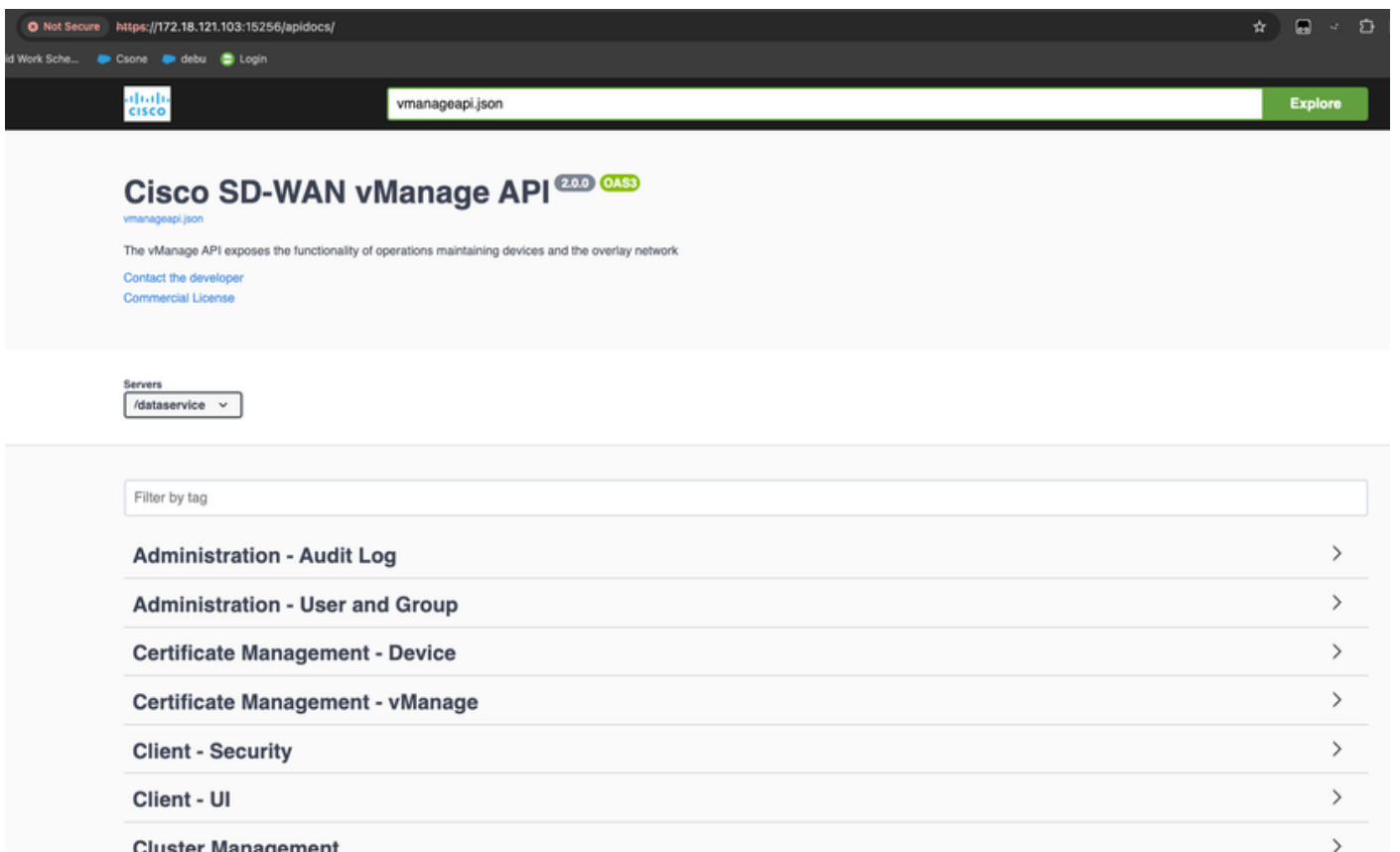
1. ءوطءال

IP ناوئع وأ URL ناوئع مءءءتساب ىءاء رماك vManage ىل ءل ءوءءال ءىءسءب مق



2. قوطخ

مق م هق صلو vManage ب صاخل URL ناوع خسن م دج ب وب ت ضرعت سم حت فا
(<https://172.18.121.103:15256/apidocs>).



3. قوطخ

زاهل ل صافات - ب قارم ب ت ك ، ث ح ب ل ع برم ي ف

Monitoring - Device Details

Monitoring - Device Details

GET /data/device/state/{state_data_type}

GET /data/device/state/{state_data_type}/fields

GET /data/device/state/{state_data_type}/query

GET /device

POST /device/blockSync

GET /device/config

4. ةوطخل

(API) تاقىب طتل ةحمر ب ةهجاو ءاعدت سا ةبرجت بجي ، دحاو زاهج نيوكت ىلع لوصحلل /device/config.

GET /device/config

Get device running configuration

Parameters

Try it out

Name	Description
deviceId required array[string] (query)	Device Id list

5. ةوطخل

(API) تاقىب طتل ةحمر ب ةهجاو ءاعدت سا ليغشت ب مقو Cisco Edge تاهجوم دحل system-ip لخدأ.

GET /device/config

Get device running configuration

Parameters

Cancel

Name	Description
deviceId required array[string] (query)	Device Id list

Execute

Responses

Curl **This curl can be used to run scripts**

```
curl -X GET "https://172.18.121.103:15256/dataservice/device/config?deviceId=10.10.10.1" -H "accept: text/plain" -H "X-XSRF-TOKEN: A7BBBCDFA4F0D326440E71247F7C007556F0EE0C7BEF98434C4CF4EE2D700005B9EABC14354244005A305008E468003DC010"
```

Request URL

```
https://172.18.121.103:15256/dataservice/device/config?deviceId=10.10.10.1
```

Server response

Code	Details
200	In this section you can see the configuration of device. <pre>system system-ip 10.10.10.1 overlay-id 1 site-id 101 no transport-gateway enable port-offset 0 control-session-pps 300 admin-tech-on-failure sp-organization-name CISCORTPLAB organization-name CISCORTPLAB port-hop track-transport track-default-gateway console-baud-rate 9600 no on-demand enable on-demand idle-timeout 10 vbond 192.168.51.117 port 12346 ! banner login \x03Un authorised Logins tracked\x03 banner motd \x03Restricted Use\x03 service timestamps debug datetime msec service timestamps log datetime msec service tcp-keepalives-in service tcp-keepalives-out no service tcp-small-servers no service udp-small-servers hostname cedgel username admin privilege 15 secret 9 \$9\$3V6L3V6L2VUI2k\$ysPnX0dg8RLj9KgMdmfHdSHKdaMmiHzGaUpqH6pfTo</pre> This option downloads html file with the configuration. Download

ي ص ن ج م ا ن ر ب ي ف Curl م ا د خ ت س ا

ت ا ف ل م ء ا ش ن ا ل ي ص ن ج م ا ن ر ب ي ف ت ا ق ي ب ط ت ة ج م ر ب ة ه ج ا و ا ع ا د ت س ا م ا د خ ت س ا و ه ل ض ف ا ر ا ي خ ت ا ه ج و م ل ن ي و ك ت Cisco Edge.

1. ة و ط خ ل ا

خ س ن ل ا ت ا ف ل م ع ي م ج ن ي ز خ ت ه ي ف م ت ي د ل ج م ء ا ش ن ا ب م ق ، C L I و shell ر م ا و ا ر ط س ي ف ، ا ل و ا ي ط ا ي ت ح ا ل ا .

```
lufrias@LUFRIAS-M-P9Q2 Desktop % mkdir Backup_cedges
lufrias@LUFRIAS-M-P9Q2 Desktop % cd Backup_cedges
lufrias@LUFRIAS-M-P9Q2 Backup_cedges % pwd
/Users/lufrias/Desktop/Backup_cedges
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %
```

2. ة و ط خ ل ا

ي ت ل Cisco Edge ت ا ه ج و م ل م ا ط ن ل ا ب ة ص ا خ ل ا I P ن ي و ا ن ع ع ي م ج م ا د خ ت س ا ب . t x t . ف ل م ء ا ش ن ا ب م ق ك ن ك م ي ي ت ل ا م ا ط ن ل ا ب ة ص ا خ ل ا I P ن ي و ا ن ع ة م ئ ا ق . ا ه ي ل ع ي ط ا ي ت ح ا ل ا خ س ن ل ا ا ر ج ا م ز ل ي C S V . ر ي د ص ت و v M a n a g e ف ل م ن م ا ه ي ل ع ل و ص ح ل ا

ا ق ب س م ه و ا ش ن ا م ت ي ذ ل ا ل ي ل د ل ا س ف ن ي ف ه ظ ف ح و S y s t e m - I P s . t x t م س ا ب ف ل م ل ا ة ي م س ت م ز ل ي (B a c k u p _ c e d g e s) .

Catalyst SD-WAN

The network is out of compliance due to licensing, please [click here](#) for more actions. Snooze

Devices

WAN Edge List Control Components Unclaimed WAN Edges

WAN Edge List (7/527) Export

Q: cedge

[Export Bootstrap Configuration](#) [Sync Smart Account](#) [Add PAYG WAN Edges](#) [Upload WAN Edge List](#) As of: Aug 27, 2025 11:40 AM

Chassis Number	Site Name	Hostname	Tags	Config Locked	Managed By	Device Status	Version	Reachability	Site ID	Mode	Actions
CBK-D4105C39-2EAE-2B27-122A-F6C0F72EE1B4	SITE_201	cedge1	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	101	vmanage	...
CBK-121CA2D0-41E6-2217-C121-0EE1B4D0A8AE	SITE_202	cedge2	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	202	vmanage	...
CBK-02E80530-267B-DC53-F8B4-24AF3D4D29D4	SITE_203	cedge3	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	203	vmanage	...
CBK-EE98CF9C-18E7-4714-A579-2DEB43E2DF86	SITE_204	cedge4	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	204	vmanage	...
CBK-62F690FE-0226-F996-485A-EA811A91C2B2	SITE_205	cedge5	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	205	vmanage	...
CBK-76AFD19D-9AFB-1348-E556-F1D0B79GA48A	SITE_206	cedge6	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	206	vmanage	...
CBK-964D392C-E19D-14F7-8E4C-F13B8A650C0B	SITE_207	cedge7	Add Tag	Yes	Template CBK-Template-V1	In Sync	1714.01a.0.1470	↑	207	vmanage	...

System-IPs.txt

```

1 10.10.10.1
2 20.20.20.1
3 30.30.30.1
4 40.40.40.1
5 50.50.50.1
6 60.60.60.1
7 70.70.70.1
8

```

3. قوطخا

فلم الاظفح نم دكأت

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % ls -l
total 8
-rw-r--r--@ 1 lufrias staff 77 Aug 27 12:20 System-IPs.txt
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %

```

4. قوطخا

صريحاً طقف 6or any notepad، م ادختسإ ن كم مل ن م .ي صن ل ا جم ان رب ل ا ءاش ن إ ل ة ع بات م ل اب مق
ش. ق ي س ن ت ب ه ظ ف ح ي ل ع .

```
#!/bin/bash
```

```
#Define your variables
```

```
echo "Please type vManage URL in following format"
```

```
echo "https://172.18.121.103:15256 or https://vmanage.cisco.com"
```

```
read VMANAGE
```

```
echo "Please enter username to access vmanage"
```

```
read USER
```

```
echo "Password:"
```

```
read PASSWORD
```

```
#DEFINING THE API CALLS TO LOGIN AND BODY
```

```
security_url="$VMANAGE/j_security_check"
```

```
credentials="j_username=$USER&j_password=$PASSWORD"
```

```
#EXECUTE THE API CALL TO LOGIN TO THE VMANAGE.
```

```
curl --request POST --silent --insecure -c cookies.txt --url $security_url --data $credentials
```

```
#EXECUTE THE API CALL TO GET A TOKEN
```

```
TOKEN=$(curl "$VMANAGE/dataservice/client/token" -X GET -b cookies.txt -s --insecure)
```

```
arr_csv=()
```

```
while IFS= read -r line
```

```
do
```

```
    arr_csv+=("$line")
```

```
    curl --insecure -b cookies.txt -H "accept: text/plain" -H "X-XSRF-TOKEN: $TOKEN" -X GET "$VMANAGE/"
```

```
    echo $line
```

```
done < System-IPs.txt
```

```

echo "Running config was collected from following System_IPs:"

index=0

for record in "${arr_csv[@]}"
do
    echo "Record at index- $\{index\}$  :  $\{record\}$ "
    ((index++))
done

curl "$VMANAGE/logout" -b cookies.txt --silent --insecure -H "X-XSRF-TOKEN: $TOKEN"

echo "Check files, if they are empty or with message "Bad request" check user and password"

```

5. ةوطخل

ه.لغشت نكمي ثحب فلملا زايتما ريغت

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % ls -l
total 16
-rw-r--r--@ 1 lufrias  staff   77 Aug 27 12:20 System-IPs.txt
-rw-r--r--  1 lufrias  staff 1174 Aug 27 12:47 config_backup_script.sh
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %
lufrias@LUFRIAS-M-P9Q2 Backup_cedges % chmod +x config_backup_script.sh
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %
lufrias@LUFRIAS-M-P9Q2 Backup_cedges % ls -l
total 16
-rw-r--r--@ 1 lufrias  staff   77 Aug 27 12:20 System-IPs.txt
-rwxr-xr-x  1 lufrias  staff 1174 Aug 27 12:47 config_backup_script.sh
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %

```

6. ةوطخل

نأ رابتعالا يف عض .config_backup_script.sh /رمألا مادختساب يصننلا جمانربلا ليغشتب مق
ةزهجالا ةيمكل اقفو هلامكال تقولا ضعب قرغتسي رمألا اذه

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % ./config_backup_script.sh
Please type vManage URL in following format
https://172.18.121.103:15256 or https://vmanage.cisco.com
https://172.18.121.103:15256
Please enter username to access vmanage
admin
Password:

```

```

qwerty1234Q
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7238 0 7238 0 0 1133 0 --:--:-- 0:00:06 --:--:-- 1761
10.10.10.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7218 0 7218 0 0 1799 0 --:--:-- 0:00:04 --:--:-- 1800
20.20.20.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7225 0 7225 0 0 1978 0 --:--:-- 0:00:03 --:--:-- 1978
30.30.30.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7225 0 7225 0 0 1491 0 --:--:-- 0:00:04 --:--:-- 2031
40.40.40.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7225 0 7225 0 0 2717 0 --:--:-- 0:00:02 --:--:-- 2718
50.50.50.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7225 0 7225 0 0 1610 0 --:--:-- 0:00:04 --:--:-- 1641
60.60.60.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 7225 0 7225 0 0 1668 0 --:--:-- 0:00:04 --:--:-- 1668
70.70.70.1
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 40 0 40 0 0 108 0 --:--:-- --:--:-- --:--:-- 107
80.80.80.1

```

Running config was collected from following System_IPs:

```

Record at index-0 : 10.10.10.1
Record at index-1 : 20.20.20.1
Record at index-2 : 30.30.30.1
Record at index-3 : 40.40.40.1
Record at index-4 : 50.50.50.1
Record at index-5 : 60.60.60.1
Record at index-6 : 70.70.70.1
Record at index-7 : 80.80.80.1

```

Method Not AllowedCheck files, if they are empty or with message Bad request check user and password
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %

7. ةوطخل

ls -l رمأل مادختساب تافللمال دوجو نم ققحت ،اريخأ

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % ls -l
total 152
-rw-r--r-- 1 lufrias staff 7238 Sep 11 10:06 10.10.10.1.txt
-rw-r--r-- 1 lufrias staff 7218 Sep 11 10:06 20.20.20.1.txt

```

```

-rw-r--r-- 1 lufrias staff 7225 Sep 11 10:06 30.30.30.1.txt
-rw-r--r-- 1 lufrias staff 7225 Sep 11 10:06 40.40.40.1.txt
-rw-r--r-- 1 lufrias staff 7225 Sep 11 10:06 50.50.50.1.txt
-rw-r--r-- 1 lufrias staff 7225 Sep 11 10:06 60.60.60.1.txt
-rw-r--r-- 1 lufrias staff 7225 Sep 11 10:07 70.70.70.1.txt
-rw-r--r-- 1 lufrias staff 40 Sep 11 10:07 80.80.80.1.txt
-rw-r--r--@ 1 lufrias staff 88 Sep 10 11:48 System-IPs.txt
-rwxr-xr-x 1 lufrias staff 1352 Sep 11 09:49 config_backup_script.sh
-rw-r--r-- 1 lufrias staff 288 Sep 11 10:06 cookies.txt
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %

```

نيوكتال فلم نم ققحت.

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % more 10.10.10.1.txt
system
system-ip          10.10.10.1
overlay-id         1
site-id            101
no transport-gateway enable
port-offset        0
control-session-pps 300
admin-tech-on-failure
sp-organization-name CISCORTPLAB
organization-name   CISCORTPLAB
port-hop
track-transport
track-default-gateway
console-baud-rate   9600
no on-demand enable
on-demand idle-timeout 10
vbond 192.168.51.117 port 12346

```

مسا نم ققحتال عاجرلاف، "ئيس بلط" أطخ ةلاس رىل ع يوتحت وأ ةغراف تافلمل تناك اذا رورم لةم لك و ةقداصلم الم مدختسم.

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % more 30.30.30.1.txt
Bad Request
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %

```

دوجوم ريغ ماظنلل IP نأ ينعي اذهف "ماظنلل IP ل زاهج رىل ع روثعل متي مل" فلمل رهظأ اذا أطخل ال System-IP فذحو System-IPs.txt حيحصت بجي. vManage في

```

lufrias@LUFRIAS-M-P9Q2 Backup_cedges % more 80.80.80.1.txt
No device found for system IP 80.80.80.1
lufrias@LUFRIAS-M-P9Q2 Backup_cedges %

```

ةمچرتل هذه ل و ح

ةيلآل ا تاي ن ق ت ل ا ن م ة و م ج م ا د خ ت س ا ب د ن ت س م ل ا ا ذ ه Cisco ت م چ ر ت م ل ا ع ل ا ا ح ن ا ع م ج ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل ا و ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م چ ر ت ل ض ف ا ن ا ة ط ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب Cisco ي ل خ ت . ف ر ت ح م م چ ر ت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة م چ ر ت ل ا ع م ل ا ح ل ا و ه ي ل ا ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا م چ ر ت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا د ن ت س م ل ا