

# **Configuring Virtual Machine Tracker**

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# **Information About Virtual Machine Tracker**

### **Guidelines and Limitations for VM Tracker**

VM Tracker has the following guidelines and limitations:

- VM Tracker supports up to four vCenter connections.
- VM Tracker supports high availability and the fault tolerance features of vCenter.
- VM Tracker supports up to 64 VMs per host.
- VM Tracker supports up to 350 hosts across all vCenters.
- VM Tracker supports up to 600 VLANs.
- VM Tracker supports only 507 VLANs in Per VLAN Rapid Spanning Tree (PVRST) mode due to hardware limitations. To enable more than 507 VLANs, use Multiple Spanning Tree (MST).
- The current version of VM Tracker is supported only on ESXi 5.1 and ESXi 5.5 on Windows and Linux.
- The current version of VM Tracker supports only VMware orchestration. It does not support orchestration with other hypervisors.
- For all ports on which VM Tracker is enabled, you must not perform any Layer 2 or Layer 3 configuration that is related to switchports and VLANs. However, you can update the native VLAN.
- VM Tracker does not support VLAN 4095.

- VM Tracker is not supported on the virtual port channel (vPC) switch although it can be configured on the downstream switch on the vPC setup.
- You must connect the host directly to the Cisco Nexus 3000 Series ports. Host connectivity through the IOM, fabric extender (FEX), or chassis is not supported.
- If you do not specify the virtual routing and forwarding (VRF) while configuring the remote IP address, the management VRF is used.
- If you do not configure a VLAN as a native VLAN on the interface, VM Tracker cannot remove this VLAN and disable VM Tracker.
- For vCenter version 5.1 and 5.5, the CDP information can contain a maximum of 32 characters for the name of the switch. If the name of the switch exceeds 32 characters, VM Tracker will not work.

# **Enabling Virtual Machine Tracker**

By default, the VM Tracker feature is enabled on all interfaces.

### **SUMMARY STEPS**

- 1. switch# configure terminal
- 2. switch(config)# [no] feature vmtracker

### **DETAILED STEPS**

	Command or Action	Purpose
Step 1	switch# configure terminal	Enters global configuration mode.
Step 2	switch(config)# [no] feature vmtracker	Enables the VM Tracker feature on all interfaces.
		The <b>no</b> form of the command disables the VM Tracker feature on all interfaces.

This example shows how to enable VM Tracker:

```
switch# configure terminal
switch(config)# feature vmtracker
switch(config)#
```

# **Creating a New Connection to vCenter**

### SUMMARY STEPS

- 1. switch# configure terminal
- 2. switch(config)# [no] vmtracker connection connection-name
- **3.** switch(config-vmt-conn)# **[no] remote** {**ip address** *ip address* | **port** *port number* | **vrf** *vrf name*}
- 4. switch(config-vmt-conn)# username username password password
- 5. switch(config-vmt-conn)# [no] connect

### **DETAILED STEPS**

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	Command or Action	Purpose
Step 1	switch# configure terminal	Enters global configuration mode.
Step 2	<pre>switch(config)# [no] vmtracker connection connection-name</pre>	Enters VM Tracker connection configuration mode for the connection name specified. The <b>no</b> form of the command disables the connection.
Step 3	<pre>switch(config-vmt-conn)# [no] remote {ip address ip_address   port port_number   vrf vrf_name}</pre>	Configures remote IP parameters. The default value for <i>port_number</i> is 80. If <i>vrf_name</i> is not specified, the default value is <b>management</b> .
Step 4	switch(config-vmt-conn)# <b>username</b> username <b>password</b> password	Verifies the username and password to connect to vCenter.
Step 5	switch(config-vmt-conn)# [no] connect	Connects to vCenter. The <b>no</b> form of the command disconnects VM Tracker from vCenter.

#### Example

This example shows how to create a new connection to VMware vCenter:

```
switch# configure terminal
switch(config)# vmtracker connection conn1
switch(config-vmt-conn)# remote ip address 20.1.1.1 port 80 vrf management
switch(config-vmt-conn)# username user1 password abc1234
switch(config-vmt-conn)# connect
```

# Synchronizing Information with VMware vCenter

By default, VM Tracker tracks all asynchronous events from VMware vCenter and updates the switchport configuration immediately. Optionally, you can also configure a synchronizing mechanism that synchronizes all host, VM, and port group information automatically with VMware vCenter at a specified interval.

Command	Purpose
[no] set interval find-new-host val	Sets the interval, in seconds, for finding hosts that are newly connected to vCenter. The <b>no</b> form of the command disables the previously configured interval. The default duration is 3600 seconds.
[no] set interval sync-full-info val	Sets the interval, in seconds, for synchronizing all host, VM, and port group related information with vCenter. The <b>no</b> form of the command disables the previously configured interval. The default duration is 3600 seconds.

Command	Purpose
vmtracker connection connection-name refresh	Synchronizes all host, VM, and port group related information with vCenter immediately for the specified connection.

• This example shows how to set an interval for finding hosts that are newly connected to vCenter:

switch(config-vmt-conn)# set interval find-new-host 300

• This example shows how to set an interval for synchronizing all host, VM, and port group information with vCenter:

switch(config-vmt-conn)# set interval sync-full-info 120

• This example shows how to immediately synchronize all host, VM, and port group information with vCenter:

switch(config-vmt-conn) # vmtracker connection conn1 refresh

# **Verifying the Virtual Machine Tracker Configuration**

Use the following commands to display and verify VM Tracker configuration information:

Command	Purpose
show running-config vmtracker [all]	Displays the VM Tracker configuration.
<pre>show vmtracker [connection conn_name] {{info [interface intf_id ]{summary   detail   host   vm   port-group}}   event-history}</pre>	Displays the VM Tracker configuration based on the following: • Connection • Interface • Event history
<pre>show vmtracker [connection conn_name] status</pre>	Displays the IP address and connection status of the vCenter connection specified.
show logging level vmtracker	Displays the logging level of the syslog messages for VM Tracker.
show system internal vmtracker info all	Displays the complete configuration information of VM Tracker.

# **Enabling Virtual Machine Tracker on Specific Interfaces**

When VM Tracker is enabled by using the **[no] feature vmtracker** command, it is enabled on all interfaces by default. You can optionally disable and enable it on specific interfaces by using the **[no] vmtracker enable** command.

### SUMMARY STEPS

- 1. switch# configure terminal
- **2.** switch(config)# **interface** *type slot/port*
- 3. switch(config-if)# [no] vmtracker enable

### **DETAILED STEPS**

	Command or Action	Purpose
Step 1	switch# configure terminal	Enters global configuration mode.
Step 2	<pre>switch(config)# interface type slot/port</pre>	Enters the interface configuration mode for the specified interface.
Step 3	switch(config-if)# [no] vmtracker enable	Enables the VM Tracker feature on the specified interface. The <b>no</b> form of the command disables the VM Tracker feature on the specified interface.

### Example

This example shows how to enable VM Tracker on a specified interface:

```
switch# configure terminal
switch(config)# interface ethernet 1/3/1
switch(config-if)# vmtracker enable
```

# **Configuring Dynamic VLAN Creation**

## **Enabling Dynamic VLAN Creation**

Dynamic creation and deletion of VLANs globally is enabled by default. When dynamic VLAN creation is enabled, if a VM is moved from one host to another and the VLAN required for this VM does not exist on the switch, the required VLAN is automatically created on the switch. You can also disable this capability. However, if you disable dynamic VLAN creation, you must manually create all the required VLANs.

### Before you begin

Ensure that the VM Tracker feature is enabled.

### **SUMMARY STEPS**

- 1. switch# configure terminal
- 2. switch(config)# vmtracker connection connection-name
- 3. switch(config-vmt-conn)# [no] autovlan enable

#### **DETAILED STEPS**

	Command or Action	Purpose
Step 1	switch# configure terminal	Enters global configuration mode.
Step 2	<pre>switch(config)# vmtracker connection connection-name</pre>	Enters VM Tracker connection configuration mode for the connection name specified.
Step 3	switch(config-vmt-conn)# [no] autovlan enable	Enables dynamic VLAN creation and deletion. The <b>no</b> form of the command disables dynamic VLAN creation and deletion.

This example shows how to enable dynamic VLAN creation:

```
switch# configure terminal
switch(config)# vmtracker connection conn1
switch(config-vmt-conn)# autovlan enable
```

## **Configuring an Allowed VLAN List**

By default, all VLANs can be configured dynamically on interfaces. You can also define a restricted list of such VLANs.

#### Before you begin

Ensure that the VM Tracker feature is enabled.

### **SUMMARY STEPS**

- 1. switch# configure terminal
- 2. switch(config)# vmtracker connection connection-name
- **3.** switch(config-vmt-conn)# allowed-vlans {allow-vlans | add add-vlans | except except-vlans | remove remove-vlans | all}

#### **DETAILED STEPS**

	Command or Action	Purpose
Step 1	switch# configure terminal	Enters global configuration mode.
Step 2	<pre>switch(config)# vmtracker connection connection-name</pre>	Enters VM Tracker connection configuration mode for the connection name specified.
Step 3	switch(config-vmt-conn)# allowed-vlans {allow-vlans   add add-vlans   except except-vlans   remove remove-vlans   all}	Configures a list of VLANs that can be dynamically configured on interfaces.

This example shows how to configure a list of allowed VLANs:

```
switch# configure terminal
switch(config)# vmtracker connection test
```

```
switch(config-vmt-conn)# allowed-vlans 100-101
```

## **Example Configuration for Virtual Machine Tracker**

This example shows how to create a connection with vCenter:

```
switch# configure terminal
switch(config) # feature vmtracker
switch(config) # vmtracker connection test
switch(config-vmt-conn)# remote ip address 20.1.1.1 port 80 vrf management
switch(config-vmt-conn)# username user1 password abc@123
switch(config-vmt-conn)# connect
switch(config-vmt-conn)# show vmtracker status
Connection
                 Host/IP
                                                  status
_____
vc1
                 22.0.1.251
                                                 No Connect
vc2
                  22.0.1.247
                                                  Connected
switch# show vmtracker connection vc2 status
                  Host/TP
Connection
                                                  status
_____
vc2
                  22.0.1.247
                                                  Connected
switch# show running-config vmtracker
!Command: show running-config vmtracker
!Time: Thu Oct 9 18:04:10 2014
version 7.1(0)N1(1)
feature vmtracker
vmtracker connection vcl
 remote ip address 22.0.1.251
 username administrator password 5 00rlUinh
 no autovlan enable
 connect
switch# show running-config vmtracker all
!Command: show running-config vmtracker all
!Time: Thu Oct 9 18:10:00 2014
version 7.1(0)N1(1)
feature vmtracker
vmtracker connection vcl
 set interval pending-task-polling 2
 set interval sync-full-info 3600
 set interval find-new-host 3600
 remote ip address 22.0.1.251 port 80 vrf management
 username administrator password 5 OOrlUinh
 no autovlan enable
 allowed-vlans all
 connect
switch# show running-config interface port-channel 301
```

!Command: show running-config interface port-channel301
!Time: Thu Oct 9 18:06:23 2014

#### version 7.1(0)N1(1)

```
interface port-channel301
  switchport mode trunk
  switchport trunk allowed vlan 1,1001,1005
  vpc 301
```

#### switch# show vmtracker event-history

Event Histo	ory (Cor	nn:vc2	2 NumEv:439 IP:22	.0.1.247)					
EventId	Time			Event Msg					
12505	Oct 09	2014	17:14:32:475968	Removed TCLI first-dc	102	28	on	22.0.2.102	from
12504	Oct 09	2014	17:14:32:475958	Removed TCLI first-dc	102	29	on	22.0.2.102	from
12501	Oct 09	2014	17:14:31:535716	Removed TCLI first-dc	102	26	on	22.0.2.102	from
12500	Oct 09	2014	17:14:31:535711	Removed TCLI first-dc	102	27	on	22.0.2.102	from

#### switch# show logging level vmtracker

Facility	Default	Severity	Current	Session	Severity
vmtracker		2		7	
0(emergencies) 3(errors) 6(information)		1(alerts) 4(warnings) 7(debugging)	2(critic 5(notifi	cal) Loations;	)

!How to disconnect from vcenter

#### switch# configure terminal

Enter configuration commands, one per line. End with CNTL/Z. switch(config)# vmtracker connection vc2 switch(config-vmt-conn)# no connect

switch# show vmtracker connection vc2 status

Connection	Host/IP	status
vc2	22.0.1.247	No Connect

#### switch# show running-config interface port-channel 301

!Command: show running-config interface port-channel301
!Time: Thu Oct 9 18:17:04 2014

```
version 7.1(0)N1(1)
```

interface port-channel301
 switchport mode trunk
 switchport trunk allowed vlan 1
 vpc 301

switch# show vmtracker info host

Switch: FOC1721R0UG

Interface	Host	VMNIC
port-channel201 Switch: FOC1736R028	22.0.2.3	vmnic0
Interface	Host	VMNIC

#### switch# show vmtracker info vm

Switch: FOC1721R0UG

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Interface	VM	State
port-channel201 port-channel201 Switch: FOC1736R028 ========	ubuntu server 1 win7 1	on on
Interface	VM	State
port-channel201 port-channel203 port-channel203 port-channel202 port-channel202 port-channel202 port-channel202	ubuntu server 1 win7 1 TCL Inst 2.1 11 TCL Inst 2.3 10 TCL Inst 2.3 8 TCL Inst 2.3 9	on on on off off

#### switch# show vmtracker info summary

Switch: FOC1721R0UG		
Interface	VM	VLANs
<pre>port-channel201 port-channel201 Switch: FOC1736R028 ============</pre>	ubuntu server 1 win7 1	91 91
Interface	VM	VLANs
nort charnel 201		

switch# sh vmtracker info port-group

Switch: FOC1721R0UG

Interface	PortGroup	Туре	VLANS
port-channel201 port-channel201 Switch: FOC1736R028	VM Network 3 vpc po VM Network 3 vpc po	vSwitch vSwitch	91 91
Interface	PortGroup	Туре	VLANS
port-channel201 port-channel201 port-channel203 port-channel203 port-channel202 port-channel202	VM Network 3 vpc po VM Network 3 vpc po VM Network 200 21vpc AA-FEX VM Network 200 21vpc AA-FEX VM Network 4 AA FEX HIF PO VM Network 4 AA FEX HIF PO VM Network 4 AA FEX HIF PO	vSwitch vSwitch vSwitch vSwitch vSwitch vSwitch vSwitch	91 91 93 93 97 97 97

#### switch# show vmtracker info detail

Switch: FOC1721R0UG

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Interface	Host VLAN-H	VMNIC Range	M	State PortGroup
port-channel201	22.0.2.3	vmnic0	ubuntu server 1	on VM Network
port-channel201 3 vpc po Switch: FOC1736P028	22.0.2.3 91	vmnic0	win7 1	on VM Network
=======================================				

Interface	Host	VMNIC	VM	Stat	e PortGroup
	VLAN-1	Range			
port-channel201	22.0.2.3	vmnic1	ubuntu server 1	on	VM Network
3 vpc po	91				
port-channel201	22.0.2.3	vmnic1	win7 1	on	VM Network
3 vpc po	91				
port-channel203	22.0.2.1	vmnic1	TCL Inst 2.1 11	on	VM Network
200 2lvpc AA-FEX	93				
port-channel203	22.0.2.1	vmnic1	TCL Inst 2.1 12	on	VM Network
200 2lvpc AA-FEX	93				
port-channel202	22.0.2.3	vmnic2	TCL Inst 2.3 10	on	VM Network
4 AA FEX HIF PO	97				
port-channel202	22.0.2.3	vmnic2	TCL Inst 2.3 8	off	VM Network
4 AA FEX HIF PO	97				
port-channel202	22.0.2.3	vmnic2	TCL Inst 2.3 9	off	VM Network
4 AA FEX HIF PO	97				

#### switch# show system internal vmtracker info all

VM-Interface Mapping (Device:50:87:89:a1:f0:de)

Interface	Host	VMNIC	VM	State	PortGroup	VLAN-Range
port-channel2 port-channel2 VM-Interface Mag	10.193.174.213 10.193.174.213 pping (Device:50:	vmnic7 vmnic7 :87:89:a1	Site-1-Hos Site-1-Hos L:f0:df)	on on	dvPortGrou dvPortGrou	1-100 1-100
Interface	Host	VMNIC	VM	State	PortGroup	VLAN-Range

port-channel3 port-channel3 VM-Interface Ma	10.193.174.214 10.193.174.214 apping (Device:50	vmnic7 vmnic7 :87:89:a	Site-1-Hos Site-1-Hos 1:f0:e1)	on on	dvPortGrou dvPortGrou	1-100 1-100
Interface	Host	VMNIC	 VM	State	PortGroup	VLAN-Range
Host VM Info (C	Conn:conn1 IP:10.	193.174.	215)			
Host	VM		State	Por	tGroup	
10.193.174.213	Site-1-Host-1-V	M-1-Ubun	itu on	VM I	Network	
10.193.174.213	Site-1-Host-1-V	M-1-Ubun	tu on	dvP	ortGroup	
10.193.174.213	Site-1-Host-1-V	M-10-Ubu	int on	VM	Network	
10.193.174.213	Site-1-Host-1-V	M-2-Ubun	itu on	VM	Network	
10.193.174.213	Site-1-Host-1-V	M-2-Ubun	itu on	dvP	ortGroup	
10.193.174.213	Site-1-Host-1-V	M-3-Ubun M-4-Ubun	tu on	VM I VM I	Network	
10.193.174 213	Site-1-Host-1-V	M-5-IIhun	itu on	VM I	Network	
10.193.174.213	Site-1-Host-1-V	M-6-Ubun	itu on	VM	Network	
10.193.174.213	Site-1-Host-1-V	M-7-Ubun	itu on	VM	Network	
10.193.174.213	Site-1-Host-1-V	M-8-Ubun	itu on	VM	Network	
10.193.174.213	Site-1-Host-1-V	M-9-Ubun	itu on	VM	Network	
10.193.174.213	Site-1-vCenter-	Server	on	VM	Network	
10.193.174.214	Site-1-Host-2-V	M-l-Ubun M 1 Ubun	itu on	VM I duD	Network	
10.193.174.214	Site-1-Host-2-V	M-1-UDUN M-2-Ubun			Network	
10.193.174.214	Site-1-Host-2-V	M-2-Ubun M-2-Ubun	itu on	dvP	ortGroup	
10.193.174.214	Site-1-Host-2-V	M-3-Ubun	itu on	VM	Network	
10.193.174.214	Site-1-Host-2-V	M-4-Ubun	itu on	VM	Network	
10.193.174.214	Site-1-Host-2-V	M-5-Ubun	itu on	VM	Network	
10.193.174.214	Site-1-Host-2-V	M-6-Ubun	itu on	VM	Network	
10.193.174.214	Site-1-Host-2-V	M-7-Ubun M 0 Ubur	itu on	VM	Network	
10.193.1/4.214	SILE-I-HOSL-Z-V	M-8-0Dun	itu on	VM	Network	
Host CDP Info (	Conn:conn1 IP:10	.193.174	.215)			
Host	Switch	P	ort		VMNIC	Status
Host LLDP Info	(Conn:conn1 IP:1	0.193.17	4.215)			
Host	Switch	P	ort		VMNIC	Status
10.193.174.213	50:87:89:a1:f0:	df E	thernet1/2		vmnic5	connected
10.193.174.213	50:87:89:a1:f0:	de E	thernet1/1		vmnic7	connected
10.193.174.214	50:87:89:a1:f0:	el E	thernet1/4		vmnic5	connected
10.193.1/4.214	50:87:89:al:10:	eu E	thernet1/3		vmnic/	connected
Host vSwitch Pc	ort Group Info (C	onn:conn	1 IP:10.193	.174.2	15)	
Host	vSwitch		PortGrou	p		
10.193.174.213	vSwitch0		Manageme	nt Net	work	
10.193.174.213	vSwitch0		VM Netwo	rk		
10.193.174.214	vSwitch0		Manageme	nt Net	work	
10.193.174.214	vSwitch0		VM Netwo	rk		

Host vSwitch VMNIC Info (Conn:conn1 IP:10.193.174.215) \_\_\_\_\_ Host. VMNTC vSwitch \_\_\_\_\_ 10.193.174.213 vSwitch0 vmnic6 10.193.174.214 vSwitch0 vmnic6 \_\_\_\_\_ Host DVS Switch Port Group Info (Conn:conn1 IP:10.193.174.215) \_\_\_\_\_ DVS-Name Host PortGroup Vlan-Range \_\_\_\_\_ 10.193.174.213 dvSwitch-1-Site-1 dvPortGroup 1-100 10.193.174.213 dvSwitch-1-Site-1 dvSwitch-1-Site--DVUplinks-464 1-100 10.193.174.214 dvSwitch-1-Site-1 dvPortGroup 1 - 10010.193.174.214 dvSwitch-1-Site-1 dvSwitch-1-Site--DVUplinks-464 1-100 \_\_\_\_\_ Host DVS Switch VMNIC Info (Conn:connl TP:10.193.174.215) \_\_\_\_\_ Host DVS-Name VMNTC \_\_\_\_\_ 10.193.174.213 dvSwitch-1-Site-1 vmnic3 10.193.174.213 dvSwitch-1-Site-1 vmnic4 10.193.174.213 dvSwitch-1-Site-1 vmnic5 10.193.174.213 dvSwitch-1-Site-1 vmnic7 10.193.174.214 dvSwitch-1-Site-1 vmnic3 10.193.174.214 dvSwitch-1-Site-1 vmnic4 10.193.174.214 dvSwitch-1-Site-1 vmnic5 10.193.174.214 dvSwitch-1-Site-1 vmnic7 \_\_\_\_\_ Host Port Group Info (Conn:conn1 IP:10.193.174.215) \_\_\_\_\_ Host PortGroup VLAN \_\_\_\_\_ \_\_\_\_\_ 10.193.174.213 Management Network 0 10.193.174.213 VM Network 0 10.193.174.214 Management Network 0 10.193.174.214 VM Network 0 \_\_\_\_\_ Distributed Switch Info (Conn:conn1 IP:10.193.174.215) \_\_\_\_\_ ------DVS Name PortGroup VLAN Range \_\_\_\_\_ dvSwitch-1-Site-1 dvPortGroup 1-100 dvSwitch-1-Site-1 dvSwitch-1-Site--DVUplink 1-100 dvSwitch2 dvPortGroup 12-12 dvSwitch2-DVUplinks-221 0-4094 dvSwitch2 \_\_\_\_\_ Event History (Conn:conn1 NumEv:6 IP:10.193.174.215) \_\_\_\_\_ EventId Time Event Msg \_\_\_\_\_ \_\_\_\_\_ 19631 Sep 02 2014 11:34:53:799161 Network connectivity restored on DVPor ts: "2/00 d1 2c 50 0c d6 4c f6-48 6e 3 c 4b b0 13 83 bf". Physical NIC vmnic5 is up. 19630 Sep 02 2014 11:34:52:890965 Physical NIC vmnic5 linkstate is up. 19624 Sep 02 2014 11:31:17:453523 Network connectivity restored on DVPor ts: "2/00 d1 2c 50 0c d6 4c f6-48 6e 3 c 4b b0 13 83 bf". Physical NIC vmnic5

19618	Sep 02 2014 01:44:08:66653	is up. Network connectiv ts: "2/00 d1 2c 5 c 4b b0 13 83 bf'	vity restored on DVPor 50 Oc d6 4c f6-48 6e 3 '. Physical NIC vmnic5
19612	Sep 02 2014 01:32:04:930919	is up. Network connectiv ts: "2/00 dl 2c 5 c 4b b0 13 83 bf"	vity restored on DVPor 50 Oc d6 4c f6-48 6e 3 '. Physical NIC vmnic5
19611	Sep 02 2014 01:32:04:930862	is up. Physical NIC vmn:	ic5 linkstate is up.
Time Info	(Conn:conn1 IP:10.193.174.215)		
 Туре			Time (ms)
Total Fetc	hing Time for All Host		660
Total Fetc	hing Time for All DVS	•	112
Max Time to	o Sync Full Host Info	•	57882
Max Time t	o Sync yShield Info	:	0
Max Time t	o Check unconnected Host Info	:	3091
Max Time t	o Sync Host Info	:	15162
Max Time t	o get one Host info	:	3152
Max Time t	o get one Virtual Machine info	:	3080
Max Time t	o get one CDP info	:	3102
Max Time t	o get VM port group Info	:	3580
Max Time t	o get task info	:	0
Max Time t	o process recv event	:	0
Max Time t	o get dvs info	:	3021
Max Time t	o get dvs port group info	:	3043
Counters T	nfo (Conn.conn1 IP.10 193 174	215)	
Туре			Counter
Property R	etrieval Fail	•	0
Wait for U	pdate Fail		0
Wait for U	pdate Timeout	:	7157
Create Tas	k Collector Fail	:	0
Create Eve	nt Collector Fail	:	0
Create Eve	nt Filter Fail	:	0
CDP Info R	etrieval Fail	:	0
Connect to	vCenter Fail	:	0
SOAP Memor	y Alloc Fail	:	0
Num Datace:	nter Property Retrieval	:	88
Num Connec	tion Verification	:	2227
Num Host P	roperty Retrieval	:	1311
Num VM Pro	perty Retrieval	:	11267
Num CDP/LL	DP Info Retrieval	:	1248
Num Task I	nfo Retrieval	:	0
Num DVS In	fo Retrieval	:	1228
Num DVS PG	Info Retrieval	:	2456
Num Switch	Into Retrieval	:	U
Num interi	ace configuration Time	:	0
Num of VLA	N Creation Time	:	0
Wait for T	N REMOVAL LIME	:	10
Num Rocur F	vent UmPoweredOnEvent	•	0
Num Recv F	vent VmPoweredOffEvent	•	0
Num Recv E	vent VmBeingHotMigratedEvent	•	0
Num Recv E	vent VmMigratedEvent	•	0
Num Recv E	vent VmFailedMigrateEvent	•	0
Num Recv E	vent VmReconfiguredEvent		0

Num	Recv Event VmC	reatedEvent :	0	
Num	Recv Event VmC	lonedEvent :	0	
Num	Recv Event VmR	enamedEvent :	0	
Num	Recy Event VmR	emovedEvent :	0	
Num	Recy Event VmS	uspendedEvent :	0	
Num	Recy Event VmB	elocatedEvent :	0	
Num	Recy Event Tas	kEvent ·	0	
Mum	Recy Event Tub	ntFy .	10	
Num	Recv Event Eve	tConnectionLectEvent :	0	
Num	Recv Event Hos	tDiscoppostodEvent :	0	
Num	Recv Event Hos	+Canalasta d Break	0	
Num	Recv Event Hos	:	0	
Num	Recv Event Hos	tSnutdownEvent :	0	
Num	Recv Event Hos	tRemovedEvent :	0	
Num	Recv Event Hos	tIpChangedEvent :	0	
Num	Recv Event DVP	ortgroupCreatedEvent :	0	
Num	Recv Event DVP	ortgroupReconfiguredEvent :	0	
Num	Recv Event DVP	ortgroupDestroyedEvent :	0	
Num	Recv Event DVP	ortgroupRenamedEvent :	0	
Num	Recv Event Dvs	CreatedEvent :	0	
Num	Recv Event Dvs	DestroyedEvent :	0	
Num	Recv Event Dvs	RenamedEvent :	0	
Num	Recv Event Dvs	ReconfiguredEvent :	0	
Num	Recv Event Dvs	MergedEvent :	0	
Num	Recv Task Upda	teNetworkConfig :	0	
Num	Recy Task Upda	tePortGroup :	0	
Mum	Recy Task Pero	vePortGroup :	0	
Mam	Deer Task Kello	toWintwolCwitch	0	
num	Recv lask upua	: :	0	
Glok	al Counters In	fo		
GION				
TVDE	2		Counter	
- 100	-		councer	
	Elem VMTracker	ElemBoot ·	3	
Num	Elem VMTracker	ElemRoot :	3 1	
Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn :	3 1 0	
Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster :	3 1 0 2	
Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost :	3 1 0 3 0	
Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP :	3 1 0 3 0	
Num Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP :	3 1 0 3 0 4	
Num Num Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM :	3 1 0 3 0 4 19	
Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup :	3 1 0 3 0 4 19 23	
Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch :	3 1 0 3 0 4 19 23 2	
Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchVMNIC :	3 1 0 3 0 4 19 23 2 2	
Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchVMNIC : ElemHostvSwitchPortGroup :	3 1 0 3 0 4 19 23 2 2 4	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot:ElemRoot:Cluster:ElemHost:ElemHostCDP:ElemHostLLDP:ElemHostVM:ElemHostVMPortGroup:ElemHostvSwitch:ElemHostvSwitchVMNIC:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:	3 1 0 3 0 4 19 23 2 2 2 4 4 4	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchPortGroup : ElemHostvSwitchPortGroup : ElemHostPortGroup : ElemHostDVSSwitch :	3 1 0 3 0 4 19 23 2 2 2 4 4 4 2	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot:ElemRoot:Cluster:ElemHost:ElemHostCDP:ElemHostLLDP:ElemHostVM:ElemHostVSwitch:ElemHostvSwitch:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostPortGroup:ElemHostDVSswitch:ElemHostDVSswitch:ElemHostDVSswitch:ElemHostDVSswitchVMNIC:	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVWPortGroup : ElemHostvSwitch : ElemHostvSwitchVMNIC : ElemHostPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot:ElemRoot:Cluster:ElemHost:ElemHostCDP:ElemHostLLDP:ElemHostVMPortGroup:ElemHostvSwitch:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostDVSwitchPortGroup:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostDVSwitch:ElemHostVirtWire:	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot:ElemRoot:Cluster:ElemHost:ElemHostCDP:ElemHostLLDP:ElemHostVM:ElemHostVSwitch:ElemHostvSwitch:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostvSwitchPortGroup:ElemHostDVSSwitch:ElemHostDVSSwitch:ElemHostDVSswitchVMNIC:VirtWire_Type:ElemHostVirtWire:ElemHostVirtWire:	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 0 0	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitchVMNIC : VirtWire_Type : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 2	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitchVMNIC : ElemHostvSwitchPortGroup : ElemHostPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSwitchVMNIC : ElemHostVITWIRE : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemDVS : ElemDVS :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitchVMNIC : ElemHostPortGroup : ElemHostDVSswitchVMNIC : ElemHostDVSswitchVMNIC : ElemHostDVSswitchVMNIC : ElemHostVITWIre : ElemHostVirtualNic : ElemDVS : ElemDVSPortGroup : ElemPVSPortGroup : ElemPVSP : Elem	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 2 8 0 0 4 4 5 6 7 7 8 0 0 4 4 5 7 7 8 0 0 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitchVMNIC : ElemHostvSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitchVMNIC : VirtWire_Type : ElemHostVirtWire : ElemHostVirtwire : ElemHostVirtwire : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 0 2 4 4 4 4 4 4 4 4 4 4 4 4 4	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtualNic : ElemDVSPortGroup : ElemDviceID : ElemDevicePort :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 4 4 4 4 4 4 4	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchPortGroup : ElemHostDVSswitchPortGroup : ElemHostDVSswitch : ElemHostDVSswitch : ElemHostDVSswitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtwire : ElemDostVirtualNic : ElemDVS : ElemDVSPortGroup : ElemDVSPortGroup : ElemDvSPortGroup : ElemDvSPortGroup : ElemDviceID : ElemDevicePort : ElemDevicePort : ElemDevicePort :	3 1 0 3 0 4 19 23 2 2 2 4 4 4 2 8 0 0 0 2 4 4 4 4 4 4 4 4 4 4 4 4 4	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHost CDP : ElemHostLLDP : ElemHostVM : ElemHostVSwitch : ElemHostvSwitchVMNIC : ElemHostvSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemDVS : ElemDVS : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDvicePort : ElemDvicePort : ElemDvicePortHost : ElemBevicePortHost : El	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 4 4 4 4 4 2 8 0 0 0 2 2 2 2 4 4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHost CDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostVSwitch : ElemHostVSwitchVMNIC : ElemHostDVSwitchPortGroup : ElemHostDVSwitchVMNIC : ElemHostDVSwitchVMNIC : ElemHostDVSwitchVMNIC : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemDvS : ElemDVS : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDviceID : ElemDvicePort : ElemDevicePortHost : ElemDevicePortVM :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 4 4 4 4 8 0 0 2 2 2 2 4 4 4 2 8 0 0 2 2 2 2 4 4 4 2 2 2 2 4 4 4 2 2 2 2 2 4 4 4 2 2 2 2 2 4 4 4 4 2 2 2 2 2 4 4 4 4 2 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 2 2 2 4 4 4 4 2 8 8 0 0 2 2 4 4 4 4 4 2 2 4 4 4 4 2 2 4 4 4 4 2 8 8 0 0 2 4 4 4 4 2 8 8 0 0 2 4 4 4 4 2 8 8 0 0 2 4 4 4 4 4 2 8 8 0 0 2 4 4 4 4 4 4 2 8 8 0 0 2 4 4 4 4 2 8 8 2 2 2 4 4 4 4 4 8 8 2 2 2 2 4 4 4 4 8 8 2 2 2 2 2 4 4 4 4 8 2 2 2 2 2 2 2 2 2 2 2 2 2	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemRoot : ElemConn : Cluster : ElemHost : ElemHost CDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostvSwitch : ElemHostvSwitchPortGroup : ElemHostDVSSwitchVMNIC : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtwire : ElemDvS : ElemDvS : ElemDvS : ElemDvSportGroup : ElemDvSportGroup : ElemDvSportGroup : ElemDvicePort : ElemDvicePort : ElemDvicePortM : ElemDvicePortVM : El	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 4 4 4 8 8 0 0 0 0 0 0 0 0 4 19 23 2 2 2 4 4 4 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostVSwitch : ElemHostvSwitchVMNIC : ElemHostvSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVITWIRE : ElemHostVirtWire : ElemHostVirtWire : ElemDvSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDvSPortGroup : ElemDvicePort : ElemDevicePortMost : ElemDevicePortVMPortGroup :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 4 4 4 4 4 8 8 8 8 8	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostVSwitch : ElemHostvSwitchPortGroup : ElemHostPortGroup : ElemHostPortGroup : ElemHostDVSswitch : ElemHostDVSswitch : ElemHostDVSswitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemDvSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDvicePort : ElemDvicePort : ElemDvicePortMost : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroupVlanRange : ElemSwitchDeviceID :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 0 2 4 4 4 4 4 4 4 4 4 4 4 8 8 8 0 0 0 19 23 2 2 2 4 4 4 2 8 0 0 0 19 23 2 2 2 2 4 4 4 2 8 0 0 0 0 19 23 2 2 2 4 4 4 2 8 0 0 0 0 0 0 0 0 0 0 0 0 0	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostVSwitch : ElemHostvSwitchPortGroup : ElemHostVSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtWire : ElemDvSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDviceID : ElemDevicePort : ElemDevicePort : ElemDevicePortW : ElemDevicePortVMPortGroup : ElemDevicePortVMPortGroup : ElemDevicePortVMPortGroupVlanRange : ElemDevicePortVMPortGroupVlanRange : ElemSwitchDeviceID :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 0 2 4 4 4 4 4 4 4 4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostVSwitch : ElemHostvSwitchPortGroup : ElemHostVSwitchPortGroup : ElemHostDVSSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVirtWire : ElemHostVirtWire : ElemDvSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDviceID : ElemDvicePort : ElemDevicePortVM : ElemDevicePortVM : ElemDevicePortVMPortGroup : ElemDevicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemSwitchDeviceID : ElemSwitchDeviceIT : ElemSwitchDeviceIT : ElemSwitchDeviceIT :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 2 4 4 4 4 4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8	
Num Num Num Num Num Num Num Num Num Num	Elem VMTracker Elem VMTracker	ElemRoot : ElemConn : Cluster : ElemHost : ElemHostCDP : ElemHostLLDP : ElemHostVM : ElemHostVMPortGroup : ElemHostVSwitch : ElemHostvSwitchVMNIC : ElemHostvSwitchPortGroup : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostDVSSwitch : ElemHostVirtWire : ElemHostVirtWire : ElemHostVirtualNic : ElemDvSortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDVSPortGroup : ElemDvicePort : ElemDvicePort : ElemDvicePortMortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemDvicePortVMPortGroup : ElemSwitchDeviceID : ElemSwitchDeviceID : ElemSwitchDeviceID :	3 1 0 3 0 4 19 23 2 2 4 4 4 2 8 0 0 0 0 0 2 4 4 4 4 4 4 4 4 8 8 8 8 8 8 8 8 8 8 8 8 8	

Unconnected Hos	t Info (Conn:con	nl IP:10.19	3.174.215)			
Host Name						
172.23.40.129						
Dev-Id	Intf	IfIndex	Member of PO	NativeVlan	VMT Enable	bia-mac
		1-000000		1	1	
50:87:89:a1:f0:	de	14000000	port channerz	T	T	
SAL1819SALX	Ethernet1/10	1a001200		1	1	
50:87:89:a1:f0:	e7					
SAL1819SALX 50:87:89:a1:f0:	Ethernet1/11 e8	1a001400		1	1	
SAL1819SALX	Ethernet1/12	1a001600		1	1	
50:87:89:a1:f0:	e9					
SAL1819SALX	Ethernet1/13	1a001800		1	1	
50:8/:89:al:IU:	Ethornot1/1/	1-001-00		1	1	
50.87.89.a1.f0.	eh	14001400		T	T	
SAL1819SALX	Ethernet1/15	1a001c00		1	1	
50:87:89:a1:f0:	ec					
SAL1819SALX	Ethernet1/16	1a001e00		1	1	
50:87:89:a1:f0:	ed	1 000000		1	1	
SAL1819SALX 50:87:89:a1:f0:	Ethernet1/17 ee	1a002000		Ţ	Ţ	
SAL1819SALX	Ethernet1/18	1a002200		1	1	
50:87:89:al:10: Sat.1819Sat.X	ei Ethernet1/19	1=002400		1	1	
50:87:89:a1:f0:	f0	10002400		1	1	
SAL1819SALX	Ethernet1/2	1a000200	port-channel2	1	1	
50:87:89:a1:f0:	df	1 - 0 0 0 6 0 0		1	1	
50:87:89:a1:f0:	f1	14002600		Ţ	Ţ	
SAL1819SALX	Ethernet1/21	1a002800		1	1	
50:87:89:a1:f0:	f2	1 - 0 0 0 - 0 0		1	1	
SAL1819SALX 50.87.89.a1.f0.	f3	1a002a00		1	Ţ	
SAL1819SALX	Ethernet1/23	1a002c00		1	1	
50:87:89:a1:f0:	f4					
SAL1819SALX	Ethernet1/24	1a002e00		1	1	
50:8/:89:al:IU: SAT.1819SAT.X	IS Ethernet1/25	1a003000		1	1	
50:87:89:a1:f0:	f6	14003000		1	1	
SAL1819SALX	Ethernet1/26	1a003200		1	1	
50:87:89:a1:f0:	f7					
SAL1819SALX	Ethernet1/27	1a003400		1	1	
50:8/:89:al:IU: SAT.1819SAT.X	I8 Ethernet1/28	12003600		1	1	
50:87:89:a1:f0:	f9	14003000		±	1	
SAL1819SALX	Ethernet1/29	1a003800		1	1	
50:87:89:a1:f0:	fa					
SAL1819SALX 50:87:89:a1:f0:	Ethernet1/3 e0	la000400	port-channel3	1	1	
SAL1819SALX	Ethernet1/30	1a003a00		1	1	
50:87:89:a1:f0:	fb					
SAL1819SALX	Ethernet1/31	1a003c00		1	1	
50:87:89:a1:f0:	fc	1 - 0.0 2 - 0.0		1	1	
50:87:89:a1:f0:	fd	LAUUSEUU		Ť	Ŧ	

SAL1819SALX	Ethernet1/33	1a004000		1	1
50:87:89:a1:f	0:fe				
SAL1819SALX	Ethernet1/34	1a004200		1	1
50:87:89:a1:f	0:ff				
SAL1819SALX	Ethernet1/35	1a004400		1	1
50:87:89:a1:f	1:00				
SAL1819SALX	Ethernet1/36	1a004600		1	1
50:87:89:a1:f	1:01				
SAL1819SALX	Ethernet1/37	1a004800		1	1
50:87:89:a1:f	1:02				
SAL1819SALX	Ethernet1/38	1a004a00		1	1
50:87:89:a1:f	1:03				
SAL1819SALX	Ethernet1/39	1a004c00		1	1
50:87:89:a1:f	1:04				
SAL1819SALX	Ethernet1/4	1a000600	port-channel3	1	1
50:87:89:a1:f	0:e1				
SAL1819SALX	Ethernet1/40	1a004e00		1	1
50:87:89:a1:f	1:05				
SAL1819SALX	Ethernet1/41	1a005000		1	1
50:87:89:a1:f	1:06				
SAL1819SALX	Ethernet1/42	1a005200		1	1
50:87:89:a1:f	1:07				
SAL1819SALX	Ethernet1/43	1a005400		1	1
50.87.89.a1.f	1.08	10000100		-	-
SAT.1819SALX	Ethernet1/44	1a005600		1	1
50.87.89.a1.f	1.09	14000000		-	-
90.07.09.01.1	Ethernet1//5	1 2005800		1	1
50.87.80.a1.f	1.0a	14005000		T	Ŧ
CAT 1010CATV	E+borpo+1/46	1-005-00		1	1
5ALIOI95ALA 50.07.00.01.f	ELHETHELI/40	14003400		T	T
0.07.09.a1.1	Ethorpot1/47	1-005-000		1	1
5ALIOI95ALA	ELHETHELI/4/	14003000		T	T
JU:8/:89:al:L	Tthemet1/40	1-005-00		1	1
SALI819SALX	Ethernet1/48	Lauuseuu		T	1
50:8/:89:al:I	1:Ud	1 000000		-	1
SALI819SALX	Ethernet1/5	1a000800		T	T
50:8/:89:al:1	U:eZ				
SALI819SALX	Ethernet1/6	1a000a00		T	Ţ
50:87:89:al:f	0:e3				
SAL1819SALX	Ethernet1/7	1a000c00		1	1
50:87:89:al:f	0:e4				
SAL1819SALX	Ethernet1/8	1a000e00		1	1
50:87:89:a1:f	0:e5				
SAL1819SALX	Ethernet1/9	1a001000		1	1
50:87:89:a1:f	0:e6				
SAL1819SALX	Ethernet2/1	1a006000		1	1
7c:69:f6:0f:e	b:20				
SAL1819SALX	Ethernet2/10	1a007200		1	1
7c:69:f6:0f:e	b:29				
SAL1819SALX	Ethernet2/11	1a007400		1	1
7c:69:f6:0f:e	b:2a				
SAL1819SALX	Ethernet2/12	1a007600		1	1
7c:69:f6:0f:e	b:2b				
SAL1819SALX	Ethernet2/2	1a006200	port-channel1	1	1
7c:69:f6:0f:e	b:21				
SAL1819SALX	Ethernet2/3	1a006400	port-channel1	1	1
7c:69:f6:0f:e	b:22				
SAL1819SALX	Ethernet2/4	1a006600	port-channel1	1	1
7c:69:f6:0f:e	b:23				_
SAL1819SALX	Ethernet2/5	1a006800	port-channel1	1	1
7c:69:f6:0f:e	b:24		- · · · · · · · · · · · · · · · · · · ·		-
SAL1819SALX	Ethernet2/6	1a006a00	port-channel1	1	1
7c:69:f6:0f.e	b:25		,	-	-
SAL1819SALX	Ethernet2/7	1a006c00		1	1
7c:69:f6:0f:e	b:26				-

SAL1819SALX	Ethernet2/8	1a006e00	1	1
7c:69:f6:0f:eb:	27			
SAL1819SALX	Ethernet2/9	1a007000	1	1
7c:69:f6:0f:eb:	28			
SAL1819SALX	Vlan1	9010001	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan2	9010002	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan3	9010003	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan4	9010004	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan5	9010005	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan6	9010006	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan7	9010007	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	Vlan8	9010008	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	ii1/1/1	4a000000	0	1
00:00:00:00:00:	00			
SAL1819SALX	ii1/1/10	4a000009	0	1
00:00:00:00:00:	00			
SAL1819SALX	ii1/1/11	4a00000a	0	1
00:00:00:00:00:	00			
SAL1819SALX	ii1/1/12	4a00000b	0	1
00:00:00:00:00:	00			
SAL1819SALX	ii1/1/2	4a000001	0	1
00:00:00:00:00:	00			
SAL1819SALX	ii1/1/3	4a000002	0	1
00:00:00:00:00:	00			
SAL1819SALX	iil/1/4	4a000003	0	1
00:00:00:00:00:	00	4 000004	0	1
SAL1819SALX	111/1/5	4a000004	0	Ţ
00:00:00:00:00:00:	00	4 000005	0	1
SALI8I9SALX	111/1/6	4a000005	0	T
	UU 	4-00000	0	1
SALI8I9SALX	111/1//	42000006	0	T
00:00:00:00:00:00:	J J J J J J J O	4-00007	0	1
00.00.00.00.00.00.	111/1/0	44000007	0	T
00:00:00:00:00:00:	υυ 	1-00008	0	1
00.00.00.00.00.00.	111/1/5	44000000	0	1
SAT.1819SAT.X	lc-eth0/1	6201000	0	1
00.00.7c.3d.fe.	10 001071	0201000	0	1
90.00.70.50.10. 97118109717	mam+0	500000	0	1
JALLOIJJALA	liigiiico	3000000	0	1
SAT.1819SAT.X	nort-channel1	1600000	1	1
00.00.00.00.00.00.		10000000	T	1
SAT.1819SAT.X	port-channel?	1600001	1	1
00.00.00.00.00.00.	00	1000001	±	-
SAT.1819SAT.X	nort-channel3	1600002	1	1
00:00:00:00:00.00.	00		-	-
SAL1819SALX	sup-eth0	1500000	0	1
00:00:7c:3d:fe:	09			
SAL1819SALX	sup-eth1	15010000	0	1
00:00:00:00:00:	00			