

# **Intersight Device Connector**

This chapter describes how to connect devices in a secure way to send information and receive control instructions on Cisco MDS 9000 Family switches.

- Device Connector, on page 1
- Guidelines and Limitations for Device Connector, on page 2
- Configuring NXDC, on page 2
- Verifying NXDC, on page 3

## **Device Connector**

Beginning with Cisco NX-OS MDS 9000 Release 9.3(2), the Device Connector on NX-OS feature is supported which provides a secure way for the connected devices to send information and receive control instructions from the Cisco Intersight portal, using a secure Internet connection.

The Cisco MDS 9000 switch must properly resolve svc.intersight.com and allow outbound initiated HTTPS connections on port 443. To resolve svc.intersight.com, you must configure DNS on the Cisco MDS 9000 devices. If a proxy is required for an HTTPS connection to svc.intersight.com, the proxy can be configured in the NXDC user interface.

The NXDC is enabled by default on all Cisco MDS 9000 series switches and it starts at boot by default, and attempts to connect to the cloud service. Once a secure connection has been established and the device connector is registered with the Intersight service, the device connector collects detailed inventory, health status and sends the adoption telemetry data to the Intersight database. Inventory is refreshed once in a day.

The NXDC feature integration resolves not managed switches with the following capabilities:

- It provides fast and quick solution to gather basic data from unmanaged switches.
- It stores private and organized data of all devices in a single location.
- It manages the data securely in the cloud.
- It is flexible for future extensions and upgradability.



### **Guidelines and Limitations for Device Connector**

The following are the guidelines and limitations for Device Connector.

• Extra port may be displayed during a port scan. The ports are seen only in the local IPv4 or IPv6.

### **Configuring NXDC**

To configure NXDC, follow the below steps:

Note By default the NXDC feature is enabled.

#### SUMMARY STEPS

- 1. no feature intersight
- **2.** intersight proxy <proxy-name> port <proxy-port>
- **3.** intersight connection *<name>*
- 4. intersight trustpoint <trustpoint-label>

#### **DETAILED STEPS**

	Command or Action	Purpose	
Step 1	no feature intersight	Disables the intersight process and removes all NXDC configuration and logs store.	
	switch(config)# no feature intersight		
Step 2	<pre>intersight proxy <proxy-name> port <proxy-port></proxy-port></proxy-name></pre>	<ul> <li>Configures the proxy server for intersight connection.</li> <li><i>proxy-name</i>: IPv4 or IPv6 address or DNS name of proxy server.</li> <li><i>proxy-port</i>: Proxy port number. The range is 1-65535. The default value is 8080.</li> </ul>	
	<pre>Example: switch(config)# intersight proxy proxy.esl.cisco.com port 8080</pre>		
		<b>Note</b> If Proxy is enabled with the smart license configuration on Cisco MDS 9000 switches, the NXDC inherits this configuration and attempts to connect with Cisco Intersight Cloud.	
Step 3	intersight connection <name></name>	<ul> <li>Sets the DNS name for intersight connection. It can be used to change from intersight to NDSaaS.</li> <li><i>name</i>: Name value is string. The maximum size is 128.</li> </ul>	
	<pre>switch(config)# intersight connection qaconnect.starshipcloud.com</pre>		
Step 4	<pre>intersight trustpoint <trustpoint-label></trustpoint-label></pre>	Configures certificates for intersight connection.	
	<b>Example:</b> switch(config)#intersight trustpoint mds-stage-onprem	<i>trustpoint-label</i> : Crypto ca truspoint label. For more information refer to <i>Cisco MDS 9000 Series NX-OS Security Configuration Guide</i> .	

# **Verifying NXDC**

To verify the NXDC configuration, use the following commands:

show system internal intersight info biow system internal intersight info bioxic (config) # show system internal intersight connector.db info: AccountOwnershipLate: Not Claimed AccountOwnershipLine: :0001-01-01T00:00:002 AccountOwnershipLine: :0001 :svc=staticl.intersight.com :dentily ::0001-01-01T00:002 AccountOwnershipLine: :000 :svc=staticl.intersight.com :cloudInsLide: :false Intersight connection state bioks system internal intersight connections switch(config) # show system internal intersight connection state Displays the device connections. switch(config) # show system internal intersight connections tate Displays the device connections. switch(config) # show system internal intersight connections tate Displays the device connections. switch(config) # show system internal intersight connections tate ConnectionStateQualifier : Connected ConnectionStateQualifier : Connected ConnectionStateQualifier : Connected ConnectionStateQualifier : Not Claimed AccountOwnershipDiater : Not Claimed Account	Command	Purpose	
<pre>switch(config) * show system internal intersight commetor.db Info: AccountOwnershipDiscr :Not Claimed AccountOwnershipId :: Not Claimed AccountOwnershipDiscr : AccountOwnershipDiscr : AccountOwnershipDiscr : DomainGroupWold :Sb301877872677345552rd4 AccountOwnershipDiscr : 1. :wr-staticl.uss-connect.com 2. :Swr.uss-connect.com 3. :swr.uss-connect.com 2. :Swr.uss-connect.com 3. :swr.intersight.com Identity :S331a496772612d3922c706 CloudDnabled :true ReadOnlyMode : false LocalConfigLockout :false TunneledWW ::false TunneledWW ::false TunneledWW ::false TunneledWW ::false TunneledWW ::false TunneledWW ::false TunneledWD : ProxyTopt :80 ProsyTopt :80 ProsyTopt :80 ProsyTopt :80 ProsyTopt :10 DyrayedAdminState :Automatic Show system internal intersight connection state AutoUpgradeAdminState : Automatic Displays the device connection. switch(config) * show system internal intersight connection state ReadOnlyMode : false ConnectionState : Connected ConnectionState : Connected ConnectionState : Not Claimed AccountOwnershipDiser : Primary BeviceRegistrationMoid : Primary Prime : Primary</pre>	show system internal intersight info	Displays the device connector system info.	
<pre>intersight connector.db Info: AccountOwnershipDiate :Not Claimed AccountOwnershipDiate :0001-01-01T00:00:002 AccountOwnershipDiate :0001 AccountOwnershipDiate :0001 Frowy-wss.esl.cisco.com ProxyPost :000 ProxyPost :0000 ProxyPost :000 ProxyPost :000 Pr</pre>		switch(config)# show sy	stem internal
<pre>Intersight connector.db Info: AccountOwnershiptise: Not Claimed AccountOwnershiptime :Not Claimed AccountOwnershiptime :0001-01-01T00:00:002 AccountOwnershiptime :0001-01-01T00:00:002 AccountOwnershiptime : DomainGroupMoid :b52941877a7662743465ccad AccountMoid :b52941877a7662743465ccad AccountMoid :b52941877a7662743465ccad AccountMoid :s950901294355 CloudDns :svc.ucs-connect.com 2. :svc.ucs-connect.com 3. :svc.ucs-connect.com 4. :svc-intersight.com identity :s3331a496f72612d3922c706 CloudEmabled :true ReadOnlyMode :false DocalConfigLocKout :false UnneledKVM :false HttpProxy: ProxyHost :proxyHost :proxyHost :proxyHost :80 Preferenc :0 ProxyType :Manual Target[1]: ProxyHost :proxyHost :s0 Proferenc :0 DigGevel :info DbVersion :1 AutoOppradeAdminState :Automatic Displays the device connections. switch(config) # show system internal intersight connection state AdminState : true ReadOnlyMode : false ConnectionState : Connected ConnectionState : Connected ConnectionState : Not Claimed AccountOwnershipTame : AccountOwnershipTame : Not Claimed AccountOwnershipTame : Not Claimed AccountOwnershipTame : Not Claimed AccountOwnershipTame : Primary PeviceMedistrationMode : Filmary PeviceMedistrationMode : ConnectionState : Not Claimed AccountOwnershipTame : Not Claimed AccountOwnershipTame : Primary PeviceMedistrationMode : ConnectionState : Primary PeviceMedistrationMode : StownershipTame : Not Claimed AccountOwnershipTame : Not Claime</pre>		intersight info	
AccountOwnershipState :Not Claimed AccountOwnershipTime :0001-01-01T00:00:002 AccountOwnershipTime :0001-01-01T00:00:002 AccountMoid :DDS140650cad AccountMoid :DS25001ca946ba00127e335 CloadDns : zwc.ucs-connect.com 2. :zwc.ucs-connect.com 3. :zwc.ucs-connect.com 4. :zwc-static1.intersight.com 4. :zwc-static1.intersight.com 4. :zwc-static1.intersight.com 4. :zwc-static1.intersight.com 5. :zwc.ucs-connect.com 7. :zwc.intersight.com 8. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.ucs-connect.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7. :zwc.intersight.com 7		Intersight connector.db	Info:
AccountOwnershipTime :0001-01-01200:00:002 AccountOwnershipTim :0001-01-01200:00:002 AccountModershipTime :0001-01-01200:00:002 AccountModershipTime :0001-01-01200:00:002 AccountModershipTime : DomainGroupMoid :5860901027e335 CloudDnsList: 1. :svc-static1.intersight.com 2. :svc.ucs-connect.com 3. :svc.intersight.com 4. :svc.intersight.com Identity :63931a496f72612d3922c706 CloudEnabled :true ReadOnlyMode :false TunneledKVM :false HttpProxy: ProxyHost :proxy-wsa.esl.clsco.com ProxyFort :80 Proferenc :0 ProxyFort :80 Proferenc :0 ProxyFort :80 Preferenc :0 ProxyFort :80 Preferenc :0 ProxyFort :80 Preferenc :0 Show system internal intersight connection state MutoUpgradAdminState :Automatic Show system internal intersight connection state ConnectionStateQualifier : ConnectionStateQualifier : ConnectionStateQualifier : ConnectionState : Not Claimed AccountOwnershipDate : Not		AccountOwnershipState	:Not Claimed
AccountOwnershipTime :0001-01-01T00:00:002 AccountOwnershipTime :0001-01-01T00:00:002 AccountMoid : 552541877652743465ccad AccountMoid : 5505901c894eba0001276335 CloudDmsi.st: 1. :svc-static1.ucs-connect.com 2. :svc.ucs-connect.com 3. :svc.intersight.com 4. :svc-static1.intersight.com 4. :svc-static1.intersight.com 4. :svc-static1.intersight.com 4. :svc-static1.intersight.com 5. :svc.intersight.com 6. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.intersight.com 7. :svc.int		AccountOwnershipUser	:
AccountOwnershipId : DomainGroupMoid :5b291877a7662743465ccad AccountMoid :560901ca94eba000127e335 CloudDnsList: 1. :svc-ucs-connect.com 2. :svc.ucs-connect.com 3. :svc.ucs-connect.com 3. :svc.ucs-connect.com 4. :svc-staticl.intersight.com Identity :639314496f72612d3922c706 CloudEnabled :true ReadOnlyMode :false TunneledKVM :false ConnetionState 2000 :false ConnectionState 2002-12-00711:21:35.6336224762 AccountOwnershipState : Not Claimed AccountOwnershipState : Not Claimed AccountOwnershipState : Not Claimed AccountOwnershipState : Primary PericeRegistrationMoid :		AccountOwnershipTime	:0001-01-01T00:00:002
bomainGroupMoid :b25241877a7662743465ccad AccountMoid :5960910:276335 CloudDns :svc.ucs-connect.com CloudDnsList: 1. :svc-staticl.intersight.com 4. :svc.ucs-connect.com 3. :svc.intersight.com 4. :svc-staticl.intersight.com Identity :63931a49672612d3922c706 CloudEnabled :true ReadOnlyMode :false LocalConfigLockout :false TunneledKVM :false HttpProxy: ProxyNost :proxy-wsa.esl.cisco.com ProxyPort :80 Preferenc :0 ProxyPort :80 Preferenc :0 ProxyPort :80 Preferenc :0 DbVersion :1 AutoUpgradeAdminState :Automatic show system internal intersight connection state Displays the device connections. switch (config) # show system internal intersight connection state Displays the device connection. switch (config) # show system internal intersight connection state : true ReadOnlyMode : false ConnectionState : Connected ConnectionState : Not Claimed AccountOwnershipTise : Primary DeviceRegistrationMoid : Frimary DeviceRegistrationMoid : Frimary DeviceRegistrationMoid :		AccountOwnershipId	:
<pre>:5b2541877a7662743465ccad AccountWold :3960901ca94eba000127e335 CloudDns :: svc.ucs-connect.com CloudDnsList:</pre>		DomainGroupMoid	
AccountMoid :5960910:2945ba00127e335 CloudDns :svc.ucs-connect.com 2. :svc.ucs-connect.com 2. :svc.intersight.com 1. :svc-staticl.ucs-connect.com 3. :svc.intersight.com 1. :svc.intersight.co		:5b2541877a7662743465cc	ad
<pre>show system internal intersight connections target []: show system internal intersight connection state show system internal intersight connection state connection state show system internal intersight connection state connection state connection state connection state connection state connection state connection connection</pre>		AccountMoid	
<pre>cloudDns :svc.ucs-connect.com</pre>		:5960901ca94eba000127e3	35
show system internal intersight connections state show system internal intersight connections state show system internal intersight connections state show system internal intersight connections state connections state show system internal intersight connections state connections state conne		CloudDns	:svc.ucs-connect.com
<pre>structure is structure is structure is in the structure is in the structure is it is structure is it is</pre>		CloudDnsList:	
<pre>2. :svc.ucs-connect.com 3. :svc.intersight.com 4. :svc-staticl.intersight.com Identity :63931a49672612d3922c706 CloudEnabled :true ReadonlyMode :false LocalConfigLockout :false LocalConfigLockout :false LocalConfigLockout :false HttpProxy:</pre>		:svc-static1.ucs-connec	t.com
3. :svc.intersight.com 4. :svc-staticl.intersight.com Identity :330149677261233922c706 CloudEnabled :true ReadOnlyMode :false LocalConfigLockout :false TunneledKVM :false HttpTroxy: ProxyHost :proxy=wsa.esl.cisco.com ProxyPort :80 Preferenc :0 ProxyType :Manual Target[1]: ProxyPort :80 Preferenc :0 LogLevel :info DbVersion :1 AutoOpgradeAdminState :Automatic show system internal intersight connection state Displays the device connections. switch (config) # show system internal intersight connection state Displays the device connection. switch (config) # show system internal intersight connection. Switch (config) # show system internal Switch (config) # show system		2.	:svc.ucs-connect.com
<pre>4. :svo=staticl.intersight.com Identity :63331a496f72612d3922c706 CloudEnabled :true ReadOnlyMode :false LocalConfigLockout :false LocalConfigLockout :false Internet intervent TunneledKVM :false HttpProxy:</pre>		3.	:svc.intersight.com
<pre>swc=staticl.intersight.com Identity :63331a496f72612d3922c706 CloudEnabled :true ReadOnlyMode :false LocalConfigLockout :false TunneledKVM :false HttpProxy:</pre>		4.	
Identity :63931a4967/2612d3922c706 CloudEnabled :true ReadOnlyMode :false LocalOnfigLockout :false TunneledKVM :false HttpProxyW ProxyNost :proxy-wsa.esl.cisco.com ProxyPort :80 Preferenc :0 ProxyPort :80 ProxyPort :80 ProyPort :80 ProxyPort :80 ProyPort :80 ProyPort :80 ProyPort :80 ProyPort :10 DoUgLevel :info DbVersion :1 AutoUpgradeAdminState :Automatic show system internal intersight connection state Displays the device connections. switch (config) f show system internal intersight connection-state AdminState : Connected ConnectionState(Qualifier : ConnectionStateQualifier : ConnectionStateQualifier : ConnectionStateQualifier : Not Claimed AccountOwnershipState : Not Claimed AccountOwnershipTame : 0001-01-01700:00:002 AccountOwnershipTame : DeviceRegistrationNovid : Primary DeviceRegistrationNovid :		:svc-static1.intersight	.com
<pre>:63931a496f72612d3922c706 CloudEnabled :true ReadOnlyMode :false LocalConfigLockout :false TunneledKVM :false HttpProxy:</pre>		Identity	
CloudBnabled :rrue ReadOnlyMode :false LocalConfigLockout :false TunneledKVM :false HttpProxy: ProxyHost :proxy-wsa.esl.cisco.com ProxyPort :80 Preferenc :0 ProxyType :Manual Target[1]: ProxyHost :proxy-wsa.esl.cisco.com ProxyFort :80 Preference :0 LogLevel :info DbVersion :1 AutoUpgradeAdminState :Automatic bVersion :1 AutoUpgradeAdminState :Automatic bVersion :1 AutoUpgradeAdminState : true ReadOnlyMode : false ConnectionState : true ReadOnlyMode : false ConnectionState : connected ConnectionState : Connected ConnectionState : Not Claimed AccountOwnershipState : Not Claimed AccountOwnershipTime : 0001-01-01T00:00:002 AccountOwnershipTime : 0001-01-01T00:00:002 AccountO		:63931a496f72612d3922c7	06
ReadOnlyMode : false LocalConfigLockout : false TunneledKVM : false HttpProxy: ProxyHost :proxyHost : :proxyHost : :proxyType : Manual Target[1]: ProxyBost :proxyPort : 80 Preference :0 LogLevel : info DbVersion : 1 AutoUpgradeAdminState : Automatic show system internal intersight connection state Displays the device connections. switch (config) # show system internal intersight connection State : true ReadOnlyMode : false ConnectionState : Not Claimed AccountOwnershipUser : AccountOwnershipUser : AccountOwnership		CloudEnabled	:true
LocalConfigLockout :false TunneledKVM :false HttpProxy: ProxyHost :proxy-wsa.esl.cisco.com ProxyPort :80 Preferenc :0 ProxyType :Manual Target[1]: ProxyHost :proxy-wsa.esl.cisco.com ProxyPort :80 Preference :0 LogLevel :info DbVersion :1 AutoUpgradeAdminState :Automatic show system internal intersight connection state Displays the device connections. switch (config) # show system internal intersight connection state AdminState : true ReadOnlyMode : false ConnectionState : Connected ConnectionState : Connected ConnectionState : Not Claimed AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipUser : AccountOwnershipIme : 0001-01-01T00:00:002 AccountOwnershipIme : Primary DeviceRegistrationMoid : ProxyPort : ProxyPort : Displays : Primary DeviceRegistrationMoid : ProxyPort : ProxyPort : ProxyPort : ProxyPort : ProxyPort : ProxyPort : ProxyPort : ProxyPort : ProxyPort : Not Claimed AccountOwnershipIme : ProxyPort : ProxPort : ProxPort :		ReadOnlyMode	:false
TunneledWM       :false         HttpProxy:       ProxyHost         :proxy-wsa.esl.cisco.com       ProxyPort         ProxyType       :Manual         Target[1]:       ProxyHost         :proxy-wsa.esl.cisco.com       ProxyPort         ProxyPort       :80         Show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal       intersight connection-state         AdminState       : true         ReadOnlyMode       : false         ConnectionState       : ConnectionState		LocalConfigLockout	:false
http://wish         proxyHost         :proxy-wsa.esl.cisco.com         ProxyPort       :80         Preferenc       :0         ProxyType       :Manual         Target[1]:       ProxyNost         :proxy-wsa.esl.cisco.com       PrevyNost         :proxyPort       :80         PrevyPort       :80         ProxyPort       :80         PrevyNost       :160         DbVersion       :1         AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal       intersight connection-state         AdminState       : true         ReadOnlyMode       : false         ConnectionStateQuilifier       :         2022-12-09T11:21:33.653652476Z       AccountOwnershipState         AccountOwnershipTime       :         0001-01-0IT00:00:00Z       AccountOwnershipTime         AccountOwnershipTime       :         0001-01-0IT00:00:00Z       AccountOwnershipName         DeviceRegistrationMoid       :         PriceRegistrationMoid       :		TunneledKVM	:false
<pre>Fromymost :proxy=wsa.esl.cisco.com ProxyPort :80 Preferenc :0 ProxyType :Manual Target[1]: ProxyHost :proxy=wsa.esl.cisco.com ProxyPort :80 Preference :0 LogLevel :info DbVersion :1 AutoUpgradeAdminState :Automatic  show system internal intersight connection state Displays the device connections. switch (config) # show system internal intersight connection state AdminState : true ReadOnlyMode : false ConnectionState : Connected ConnectionState : Not Claimed AccountOwnershipStare : Not Claimed AccountOwnershipTime : 2022-12-09T11:21:33.653652476Z AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipTime : ProxyHost Pr</pre>		HttpProxy:	
<pre>show system internal intersight connection state     ProsyPort :80     Preferenc :0     ProxyPort :80     ProxyHost     :proxyHost     :proxyPort :80     Preference :0     LogLevel :info     DbVersion :1     AutoUpgradeAdminState :Automatic  show system internal intersight connection state     Displays the device connections.     switch (config) # show system internal     intersight connection.state     AdminState : true     ReadOnlyMode : false     ConnectionState : Connected     ConnectionState : Connected     ConnectionState : Not Claimed     AccountOwnershipUser :     Acco</pre>		ProxyHost	
Preferenc       :0         ProxyType       :Manual         Target[1]:       ProxyHost         :proxyHost       :BO         :proxyPort       :80         Preference       :0         LogLevel       :info         DbVersion       :1         AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal       intersight connection-state         AdminState       :       true         ReadOnlyMode       :       false         ConnectionState       :       Connected         ConnectionState       :       Not Claimed         AccountOwnershipState       :       Not Claimed         AccountOwnershipUser       :       Not Claimed         AccountOwnershipUser <th></th> <th>ProvyPort</th> <th>• 80</th>		ProvyPort	• 80
ProxyType       :Manual         Target[1]:       ProxyHost         :proxyPort       :80         Preference       :0         LogLevel       :info         DbVersion       :1         AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch(config) # show system internal       intersight connection-state         AdminState       :       true         ReadOnlyMode       :       false         ConnectionItastDownTimeTs       :       2022-12-09T11:21:33.65362476Z         AccountOwnershipState       Not Claimed         AccountOwnershipTime       :       0001-01-01T00:002         AccountOwnershipTime       :       0001-01-00100:002         AccountOwnershipTime       :       Primary         DeviceRegistrationMoid       :       Primary		Preferenc	:0
Target[1]:       ProxyHost         :proxy-wsa.esl.cisco.com       ProxyPort         ProxyPort       :80         Preference       :0         LogLevel       :info         DbVersion       :1         AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal intersight connection-state       AdminState         AdminState       :       true         ReadOnlyMode       :       false         ConnectionState       :       ConnectionState         2022-12-09T11:21:33.653652476Z       AccountOwnershipState       :         AccountOwnershipState       :       Not Claimed         AccountOwnershipTime       :       0001-01-0100:000Z         AccountOwnershipTime       :       0001-01-0100:002         AccountOwnershipTime       :       Leadership       :         DeviceRegistrationMoid       :       Primary		ProxyType	··· ·Manual
ProxyHost         :proxyPost         :show system internal intersight connection state         Displays the device connections.         switch (config) # show system internal intersight connection-state         AdminState         intersight connection state         Displays the device connections.         switch (config) # show system internal intersight connection-state         AdminState       : true         ReadOnlyMode       : false         ConnectionState       : Connected         ConnectionState       : Not Claimed         AccountOwnershipUser       :         AccountOwnershipTime       :         0001-01-01T00:00:002       :         AccountOwnershipName       :         Leadership       : Primary         DeviceRegistrationMoid       :		Target[1]:	· Hallad 1
<pre>:proxy-wsa.esl.cisco.com</pre>		ProxyHost	
ProxyPort       :80         Preference       :0         LogLevel       :info         DbVersion       :1         AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal intersight connection-state       AdminState       : true         AdminState       : true       ReadOnlyMode       : false         ConnectionStateQualifier       :       ConnectionState       : 2022-12-09T11:21:33.653652476Z         AccountOwnershipState       : Not Claimed       AccountOwnershipUser       : AccountOwnershipUser       : AccountOwnershipIme       : 0001-01100:002         AccountOwnershipIme       : Leadership       : Primary       : Primary         DeviceRegistrationMoid       :       : Primary		:proxy-wsa.esl.cisco.co	m
Preference :0         LogLevel :info         DbVersion :1         AutoUpgradeAdminState :Automatic         show system internal intersight connection state         Switch (config) # show system internal intersight connection-state         AdminState : true         ReadOnlyMode : false         ConnectionState (connectionState)         ConnectionState : Connected         ConnectionState : Not Claimed         AccountOwnershipState : Not Claimed         AccountOwnershipTime :         001-01-01T00:00:002         AccountOwnershipName :         Leadership : Primary         DeviceRegistrationMoid :		ProxyPort	:80
LogLevel:infoDbVersion:1AutoUpgradeAdminState:Automaticshow system internal intersight connection stateDisplays the device connections.switch (config) # show system internalintersight connection-stateAdminState: trueReadOnlyMode: falseConnectionState: ConnectedConnectionLastDownTimeTs:2022-12-09T11:21:33.653652476ZAccountOwnershipState: Not ClaimedAccountOwnershipTime:001-01-01T00:00.00Z.AccountOwnershipName:Leadership: PrimaryDeviceRegistrationMoid:		Preference	:0
DbVersion       :1         AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch(config)# show system internal intersight connection-state       AdminState       : true         AdminState       : true       ReadOnlyMode       : false         ConnectionState       : Connected       ConnectionState       : Connected         ConnectionLastDownTimeTs       :       :       :         2022-12-09T11:21:33.653652476Z       AccountOwnershipState       : Not Claimed         AccountOwnershipState       : Not Claimed       :         AccountOwnershipTime       :       :       :         0001-01-01T00:00:00Z       :       :       :         AccountOwnershipName       :       :       :         Displays the device connectionMoid       :       :       :		LogLevel	:info
AutoUpgradeAdminState       :Automatic         show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal intersight connection-state       AdminState       : true         AdminState       : true       ReadOnlyMode       : false         ConnectionState       : Connected       ConnectionState       : Connected         ConnectionLastDownTimeTs       :       2022-12-09T11:21:33.653652476Z       AccountOwnershipUser       : Not Claimed         AccountOwnershipUser       :       AccountOwnershipUser       : Not Claimed         AccountOwnershipIme       :       0001-01-01T00:00:00Z       AccountOwnershipIme       :         Displays the device connections       :       Primary       DeviceRegistrationMoid       :		DbVersion	:1
show system internal intersight connection state       Displays the device connections.         switch (config) # show system internal intersight connection-state       AdminState       true         AdminState       : true       ReadOnlyMode       false         ConnectionState       : Connected       ConnectionLastDownTimeTs       :         2022-12-09T11:21:33.653652476Z       AccountOwnershipUser       :       Not Claimed         AccountOwnershipTime       :       0001-01-01T00:00:00Z       AccountOwnershipName       :         Leadership       :       Primary       DeviceRegistrationMoid       :       Connert		AutoUpgradeAdminState	:Automatic
<pre>switch(config)# show system internal intersight connection-state AdminState : true ReadOnlyMode : false ConnectionState : Connected ConnectionStateQualifier : ConnectionLastDownTimeTs : 2022-12-09T11:21:33.653652476Z AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : COND1=406672610420202706</pre>	show system internal intersight connection state	Displays the device connections.	
<pre>intersight connection-state AdminState : true ReadOnlyMode : false ConnectionState Connected ConnectionStateQualifier : ConnectionLastDownTimeTs : 2022-12-09T11:21:33.653652476Z AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0021=4067261042022-706</pre>		<pre>switch(config)# show system internal</pre>	
AdminState:trueReadOnlyMode:falseConnectionState:ConnectedConnectionStateQualifier:ConnectionLastDownTimeTs2022-12-09T11:21:33.653652476ZAccountOwnershipState:Not ClaimedAccountOwnershipUser:.AccountOwnershipTime:.0001-01-01T00:00:00ZAccountOwnershipName:.Leadership:PrimaryDeviceRegistrationMoid:.		intersight connection-s	tate
ReadOnlyMode: falseConnectionState: ConnectedConnectionStateQualifier:ConnectionLastDownTimeTs:2022-12-09T11:21:33.653652476ZAccountOwnershipState: Not ClaimedAccountOwnershipUser:AccountOwnershipTime:0001-01-01T00:00:00Z:AccountOwnershipName:Leadership: PrimaryDeviceRegistrationMoid:COULD 40667261042022-706		AdminState	: true
ConnectionState : Connected ConnectionStateQualifier : ConnectionLastDownTimeTs : 2022-12-09T11:21:33.653652476Z AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : COND1=40667261042022706		ReadOnlyMode	: false
ConnectionStateQualifier : ConnectionLastDownTimeTs : 2022-12-09T11:21:33.653652476Z AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0021=40657261202022706		ConnectionState	: Connected
ConnectionLastDownTimeTs : 2022-12-09T11:21:33.653652476Z AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0021=40657261042022=706		ConnectionStateQualifie	r :
2022-12-09T11:21:33.653652476Z AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0021=40.6726(2042022=706		ConnectionLastDownTimeT	s :
AccountOwnershipState : Not Claimed AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0001-00-0020-706		2022-12-09T11:21:33.653	652476Z
AccountOwnershipUser : AccountOwnershipTime : 0001-01-01T00:00:00Z AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0021=40657261042022=706		AccountOwnershipState	: Not Claimed
AccountOwnershipTime : 0001-01-01T00:002 AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid : C0021-00057261002020-706		AccountOwnershipUser	:
AccountOwnershipName : Leadership : Primary DeviceRegistrationMoid :		Accountownership'l'ime	:
Leadership : Primary DeviceRegistrationMoid :		AccountOurorshinNom	
DeviceRegistrationMoid : Primary		Leadership	· Drimary
		DeviceRegistrationMoid	• IIIaly
639314496172612639226706		63931a496f72612d3922c70	6

Туре	Data
Inventory	Device Name
	Product Type
	Version
	Serial number
	Cpu average load
	Memory usage
	Disk name, usage
	Device Up Time
	Device Id
	Interface information – name, up count, down count, operational state, transceiver status
	Telnet enable status
	Bootflash model, serial number
	Last Reboot Time
	Last Reset Reason
	System Up Time
License details	List of activated licenses
Feature details	List of activated features
Power Supply details	Product Id
	Serial Number
	Vendor Id
Fan details	Product Id
	Serial Number
	Vendor Id
Module details	Product Id
	Serial Number
	Vendor Id
Transceiver Details	Product Id
	Serial Number
	Vendor Id
	Part Number
Neighbor details	WWN of the neighbor switches in the fabric

The following adoption telemetry data is collected from switch and sent to Intersight.

I