HP Network Node Manager i Software

Forcing an Interface to be Polled

Release 9.20

This document describes how to force NNMi to poll an interface. This document provides a step-by-step example of the recommended process.

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Problem Statement

By default, NNMi monitors interfaces that are connected in the NNMi topology or router interfaces that host an IP address. You might run into situations that require NNMi to monitor additional interfaces. This paper describes the steps you must complete to do this.

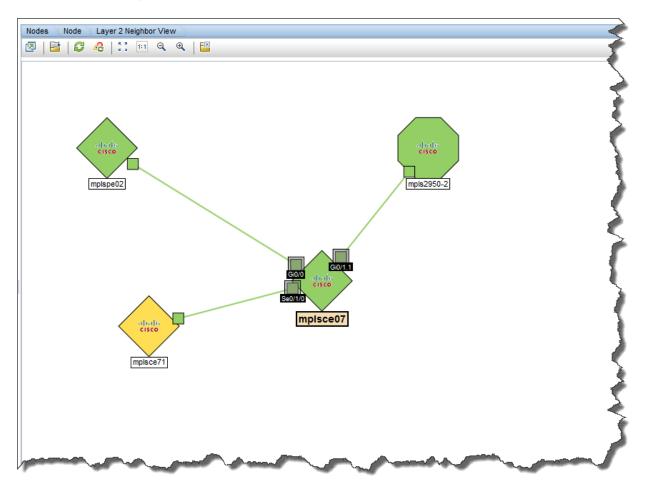
Solution

The easiest way to configure NNMi to monitor an interface is for you to create a monitoring configuration policy that monitors interfaces with a specific custom attribute. After you create this new monitoring policy, you must put the specific custom attribute on the interface. Finally, from the NNMi console, run a configuration poll on the node to let NNMi know that it needs to monitor the interface.

Solution Example

Refer to the node called mplsce07 shown in Figure 1. This node currently only has three connected interfaces: Gi0/1.1, Gi0/0 and Se0/1/0.

Figure 1: Node mplsce07



Double-click the node and choose the **Interfaces** tab to see the list of interfaces as shown in Figure 2. Note that other interfaces are monitored on this node as well because they have IP addresses assigned to them. Suppose that you would like to force interface Fa0/2/0 to be monitored in addition to the interfaces already being monitored. To do this, you must create an interface group; then create a polling policy for members of this interface group. Then you will assign this interface to be a member of the group.

Figure 2: Interface Fa0/2/0

Basics		d General	al IP A	ddress	es Interfac	ces Cards	Ports	VLAN	Ports Ro	uter Redund
Name	mplsce07	-				V				
	NAMES AND TAXABLE AND A DESCRIPTION	2 1	ß				1 - 18 of 18			
	Normal	Status	1.12	Oper	ifName	ifType	ifSpeed	ifIndex	if∆lias	Layer 2 Conne
Node Management Mode	Managed -				Gi0/0	ethernetCsmacd	1 Gbps	1		mplsce07[Gi0/0]
Node management mode		0	0	0	Se0/1/0	frameRelay	1.5 Mbps	3		Small Subnets-m
Device Profile	cisco2821		-	0	Gi0/1.1		-			
NMP Agent State			0			I2vlan	100 Mbps	18		mpls2950-2[Fa0
		· O	0	0	Tu1	tunnel	100 Kbps	10	Tunnel to r	
	Normal	Output de la construction de	0	0	Tu3	tunnel	100 Kbps	12	Tunnel to r	
Management Address ICMP State	Responding	0	0	0	Tu4	tunnel	100 Kbps	13	Tunnel to I	
Management Address ICMP Response Time	Vominal	0	0	0	Tu5	tunnel	100 Kbps	14	Tunnel to p	
Management Address		0	0	0	Tu7	tunnel	100 Kbps	15	Tunnel to g	
ICMP Response Time N Baseline	Normal Range	0	0	0	Lo0	softwareLoopbac	8 Gbps	8	Loopback	
State Last Modified	June 12, 2012 2:38:02 PM MDT	0	0	0	Tu8	tunnel	100 Kbps	16	Tunnel to r	
Notes		1 0	0	0	Tu9	tunnel	100 Kbps	17	tunnel to ra	
		0	0	0	Tu2	tunnel	100 Kbps	11	Tunnel to s	
			0	0	Tu0	tunnel	100 Kbps	9	Tunnel to r	
		Ø	5	R	Fa0/2/0	ethernetCsmacd	100 Mbps	4		
			R	R	Vo0	other	10 Gbps	5		9
		0	6	6	Gi0/1	ethernetCsmacd	100 Mbps	2	Dot1q Trur	
		0	6	6	Nu0	other	10 Gbps	6		
		0	5	5	Gi0/1.9	l2vlan	100 Mbps	19	Dot1q Trur	
		Updated: 7/				Total: 18 Se	ected: 1	Filter: OF		to refresh: OFF

Setting up Polling

This section describes a one-time action that you do not need to do for each additional managed interface.

Creating an Interface Group

- 1. The first step is to create an interface filter based on custom attributes as shown in Figure 3.
- 2. From the NNMi console, click **Configuration**.
- 3. Click Object Groups
- 4. Click Interface Groups
- 5. Click the **New** button to create a new Interface Group

Figure 3: Creating an Interface Filter

File View Tools Actions Help					1				
A Incident Management									
▲ Topology Maps	🔹 🖉 😱 🔄 🖉 🦻 🕈 🛛 🗙 🛛 🔛								
Monitoring	Name New	 Add to View Filter 	Add to Filter List	Node Group	Notes				
Inventory	*	List							
Management Mode	 ATM Interfaces 	~	~		Interfaces i				
Incident Browsing	♥ DSx Interfaces	~	~		Interfaces				
Traffic Analysis		~	~		Interfaces i				
🐝 Integration Module Configuration	➢ ISDN Interfaces	~	-		ISDN Interfa				
Configuration	Link Aggregation Interfaces	s 🖌	-		Interfaces i				
📑 Communication Configuration	Point to Point Interfaces	~	-		Point to Poi				
🗄 🧰 Discovery	SONET Interfaces	~	~		Interfaces				
🗄 🧰 Monitoring	Software Loopback Interfa	ces 🗸			Software L				
Incidents Status Configuration									
Status Configuration Global Network Management	VLAN Interfaces	~	-		VLAN inter				
User Interface	Voice Interfaces	~	-		Voice Inter				
+ C Security	WLAN Interfaces	~	~		Interfaces				
🗄 🧰 MiBs									
m Device Profiles									
😑 🗁 Object Groups									
m Node Groups									
Interface Groups									
RAMS Servers									
Management Stations (6.x/7.x)									
m NNM iSPI Performance for Traffic	.£								
NNM iSPI Performance for Traffic	a								
	dated: 7/ .:29:49	All an			· 11				

- 6. Click the **Additional Filters** tab as shown in Figure 4.
- 7. For this example, name this group Force Poll IF Group.
- 8. Set up the logic as shown in the figure below. Note that Custom Attribute filtering requires the "EXISTS" operator. The logic will look for a custom attribute name of ForcePoll and a custom attribute value of 1. Remember these values as you will need them in a future step.
- 9. Click **Save and Close** on the Interface Group form; click **Save and Close** for any outer forms as well.

Figure 4: Configuring an Additional Filter

Metwork Node Manager		User Name: ksmith NNMi Role: Administrator Sign Out
File View Tools Actions Help		
👌 Incident Management 🛛 🕹	Interface Groups Interface Group *	
🛧 Topology Maps 🛛 🗧 🗧	🗵 🗟 🗎 🎽 🏝 Save and Close 🖉 🗶 Delete	Interface Group
🐺 Monitoring 🛛 🕹	▼ Basics	ifType Filters Additional Filters
Troubleshooting ¥	* Name Force Poll IF Group	
E Inventory ¥	Add to View Filter List	
🗞 Management Mode 🛛 🕹	Node Group	When using the like or not like operators, use an * (asterisk) to match zero or more characters in a string and a ? (question mark) to match exactly one character in a string.
lncident Browsing 🛛 🕹	Node Group	To create an inclusive IP address range, use the between operator. Valid example:
Traffic Analysis *	Notes	ipAddress between 10.10.1.1 AND 10.10.1.255 For more information, click here .
Integration Module Configuration *		For more information, click HEFE.
➢ Configuration ☆	You can filter Interface Groups using ifType Filters and	Filter Editor Attribute Operator Value
📑 Communication Configuration 📥	Additional Filters. If you use both ifType Filters and Additional Filters, Interfaces must match at least one ifType	Attribute Operator Value
🛨 🧰 Discovery	Filter and the Additional Filters specifications to belong to this Interface Group. If you select a Node Group, the	CustomAtti value
📧 🧰 Monitoring	Interface must belong to a Node that is a member of that	Replace
🛨 🧰 Incidents	Node Group. See $\operatorname{Help} \to \operatorname{Using}$ the Interface Group form.	
📑 Status Configuration	To test your Interface Group definition, select File → Save, then Actions → Interface Group Details → Show Members	Append 👻
📑 Global Network Management	(Include Child Groups).	AND
User Interface	▼ NNM iSPI Performance	- EXISTS UR - customAttrName = ForcePoll NOT
User Interface Configuration	Used by NNM iSPI Performance for Metrics and NNM iSPI for	EXISTS EXISTS
🛅 Node Group Map Settings 🗉	Traffic.	L customAttrValue = 1
🕅 Menus	Add to Filter List	Delete
🛅 Menu Items		Filter String
m Icons		(EXISTS (customAttrName = ForcePoll) AND EXISTS (customAttrValue = 1))
🗄 🧰 Security		
MIBs Device Profiles		
Object Groups		
Node Groups		
Interface Groups		
RAMS Servers		
	Analysis - Summary - No Objects Selected	¥

Creating a Monitoring Configuration Policy (Polling Policy)

The next step is to create a monitoring configuration policy by following these steps:

1. Click the **Monitoring Configuration** workspace as shown in Figure 5.

Figure 5: The Monitoring Configuration Workspace

ile View Tools Actions Help						
Incident Management	*	Interface Groups				í
🖕 Topology Maps	*	🗵 * 🖻 🗗 🔊 🔊	× 🖴			
Monitoring	* *	Name 🔺	Add to View Filter List	Add to Filter List	Node Group	Notes
Inventory	*	ATM Interfaces	∠ist	~		Interfaces i
Management Mode	*	DSx Interfaces	*	~		Interfaces i
Traffic Analysis	*	Force Poll IF Group	~	-		
2 Integration Module Configuration	*	FrameRelay Interfaces	~	~		Interfaces in
Configuration	*	ISDN Interfaces	~	-		ISDN Interfa
Communication Configuration		Link Aggregation Interfaces	*	-		Interfaces i
 Discovery Discovery Discovery 		Point to Point Interfaces	~	-		Point to Point
Monitoring Configuration		SONET Interfaces	~	~		Interfaces in
Custom Poller Configuration		Software Loopback Interfaces	~	-		Software L
Incidents		VLAN Interfaces	~	-		VLAN inter
Status Configuration Global Network Management		Voice Interfaces	~	-		Voice Interf
Slobal Wetwork management	E	WLAN Interfaces	*	~		Interfaces i
User Interface Configuration						

- 2. Click the **Interface Settings** tab as shown in Figure 6; then note the current ordering values.
- 3. Click the **New** icon.

Figure 6: The Interface Settings Tab

nitoring Configuration							
📔 💾 Save and Close 🛛 🥩 🛛 🔛							
Global Control	Interface Settings	Node Settings Defa	ault Settings				
f disabled, previous device state and status values remain unchanged. See Help \rightarrow Using the Monitoring Configuration form.	•						
Enable State Polling	When multiple set	tings are defined, NNMi	applies them a	ccording to the	e Ordering numb	er (lowest num	ber first).
If you do not select Enable State Polling above, NNMi disables	🛞 🖬 🞜	×	K <	🕽 1 - 3 of 3		0 (3 🖃
monitoring for the following object types and resets the previous states for each.	Ordering 🔺	Name	Enable IPAddress Fault	Enable Interface Fault	Poll Unconnecte Interfaces	Poll Interfaces Hosting IP	Enable Interface Perform
Enable Card Polling 🔽 Enable Node Component 🔽 Polling			Polling	Polling		Addresses	Polling
Enable Router Redundancy Group	100	ISDN Interfaces	-	~	-	-	-
Polling	200	Point to Point Interface	-	~	-	-	-
	300	VLAN Interfaces	-	~	-	-	-
NNMi monitors each discovered Interface according to the first matching configuration setting (most-specific to least-specific: Interface, Node, Default). See Help → Using the Monitoring Configuration form.							
Last Modified June 1, 2012 8:48:24 AM MDT							
	•	m					- F
			Total: 3	Selected: 0	Filter: OFF	Auto refre	

- 4. In the Interface Settings form shown in Figure 7, enter an **Ordering** value that is lower (higher priority) than the values you noted from the previous form. Entering a lower value causes this policy to apply to all interfaces (with this Custom Attribute setting) by having the highest priority of all the policies.
- 5. Select Force Poll IF Group as the Interface Group.
 - **IMPORTANT**: You MUST select the following check boxes:
 - Enable SNMP Interface Fault Polling
 - Poll Unconnected Interfaces under Extend the Scope of Polling Beyond Connected Interfaces
 - Poll Interfaces Hosting IP Addresses under Extend the Scope of Polling Beyond Connected Interfaces
- 6. Select the **Enable ICMP Fault Polling** check box if you want to ping any IP addresses hosted on this interface. This check box is not selected for this example.

Note: This example does not include any IP addresses hosted on this interface.

Figure 7: Interface Settings Form

File View Tools Actions Help	
Interface Settings *	
😼 📋 🎦 Save and Close 🛛 💋 🗙 Delete Interface Settings	
(i) Changes are not committed until the top-level form is saved!	
▼ Basics	Threshold Settings Baseline Settings
* Ordering	v ^t
* Interface Group	If the optional NNM iSPI Performance for Metrics is enabled, set the low and high values to determine Interface performance state.
▼ Fault Monitoring	* 🗸 😂 🖉 🗱 😂 🖓 🔄
ICMP Fault Monitoring Enable IPAddress Fault Polling	Monitored Attribute Threshold Setting Type Value Value Rearm Value Rearm
SNMP Fault Monitoring Enable Interface Fault	
Fault Polling Interval 5.00 Minutes SNMP Performance Monitoring	
Configuration for the optional NNM iSPI Performance for Metrics.	
I LAN B stormassed in ing	and the second of the second second of the second
Interval	
Extend the Scope of Polling Beyond Connected Interfaces By default, only connected Interfaces are polled. These settings extend the set of monitored interfaces. It is recommended to use them with small node or Interface Groups. See Help Using the Monitoring Configuration form. Poll Unconnected Interfaces	
Pol Interfaces Hosting IP Addresses	Total: 0 Selected: 0 Filter: OFF Auto refresh: OFF
Analysis	

7. Click **Save and Close** on this form as shown in Figure 8; click **Save and Close** for any outer forms as well.

onitoring Configuration *			_	_						
Global Control	In	nterf	ace Se	ettings	Node Settings Defa	ult Settings				
f disabled, previous device state and status values remain unchanged. See Help \rightarrow Using the Monitoring Configuration form. Enable State Polling		Whe	n mult	iple sett	tings are defined, NNMi	applies them ac	cording to the	Ordering numbe	er (lowest num	ber first).
If you do not select Enable State Polling above, NNMi disables monitoring for the following object types and resets the previous		*		S	×	10	0 1 - 4 of 4		0 (3 🖃
Enable Node Component		Or	derin	g 🔺	Name	Enable IPAddress Fault Polling	Enable Interface Fault Polling	Poll Unconnecte Interfaces	Poll Interfaces Hosting IP Addresses	Enable Interface Perform Polling
Enable Router Redundancy Group		10			Force Poll IF Group	-	~	~	~	-
Polling		10	0		ISDN Interfaces	-	~	-	-	-
		20	0		Point to Point Interface	-	~	-	-	-
NNMi monitors each discovered Interface according to the first matching configuration setting (most-specific to least-specific: Interface, Node,	I	30	0		VLAN Interfaces	-	*	-	-	-

Figure 8: Make Sure to Save your Work

Now there is a polling policy associated with all members of the Force Poll IF Group. This policy requires that interfaces be polled. The only exception would be if there were a higher priority policy (which there is not one in this example) or if the interface has been manually unmanaged using the management mode.

Assign an interface to this interface group using a Custom Attribute

The final step is to make the desired interface a member of this group (doing so results in the interface inheriting this polling policy) by assigning a custom attribute to the interface. NNMi 9.20 has a new and convenient way to do this. Although there are few different ways to get to this convenience feature, only one will be shown in this example.

 With the interface form open, go to Actions -> Custom Attributes -> Add... as shown in Figure 9.

Network Node Manager					U	ser Name: ksmiti	n NNMi Role: Adminis	trator	Sig	gn Ou
le View Tools Actions Help										
Incident Managerr Di Graphs Topology Maps Polling Di Save an	nd Close 💋 🔛									
Monitoring Configuration Details		4	General	IP Address	es Ports	VLAN Ports	WAN Connections	Capabilities	CL	•
Troubleshooting Custom Attributes + Add	a0/2/0		SNMP Values						1 -1	
Inventory Tranc Maps Remover Imm Nodes Hose Hose Imm Nodes HP NNM ISPI Performance Jet Management Mode Imm Interfaces Mode Hosted On Node Imm SNMP Agents Hosted On Node Hosted On Node	Status anaged Inherited • mplsce07		ifName ifAlias ifDescr ifIndex ifSpeed ifType nout/Output Sp	F 4 1	a0/2/0 astEthernet0/2/0 00 Mbps ethernetCsmacd					-
Cards ▼ Interface State			Input Speed		0000000					
Ports Administrative State Not Polled Operational State Not Polled			Output Speed		00000000					
Layer 2 Connections State Last Modified N Nodes (All Attributes)	ever -									
Interfaces (All Attributes)				-						

Figure 9: Adding Custom Attributes

2. After the form comes up, you must first clear the pre-selected value **NPS Annotation** as shown in Figure 10. This pre-selected value pertains to a different feature than the one being discussed in this whitepaper.

Figure 10: Clearing the Preselected Value

Custom Attribute
A Custom Attribute Name/Value pair will be added to each item you selected according to the values you enter here. NNM iSPI Performance for Metrics only. To include additional Node or Interface information in NNM iSPI Performance for Metrics reports, use the Name: NPS Annotation. Then, enter the Value to appear in the reports. See the help topic: "Annotate HP Network Node Manager iSPI Performance for Metrics Software Reports". Enter a Name and Value. Name NPS Annotation Clear this Value
OK Cancel

3. Replace **NPS Annotation** with ForcePoll as shown in Figure 11 and set the value to 1. Remember that this is the custom attribute name and value that you set up previously. Then click **OK**.

Figure 11: Creating a Custom Attribute

Custom Attribute	C
A Custom Attribute Name/Value pair will be added to each item you selected according to the values you enter here. NNM iSPI Performance for Metrics only. To include additional Node or Interface information in NNM iSPI Performance for Metrics reports, use the Name: NPS Annotation. Then, enter the Value to appear in the reports. See the help topic: "Annotate HP Network Node Manager iSPI Performance for Metrics Software Reports".	
OK Cancel	

4. Click **OK** for the next dialog box as well.

Action complete for 1	of 1 Items.
C	ОК

5. Depending on the size of the environment and the polling rate, this change might take several minutes to take effect. You can run a manual status poll to speed up the process as shown in Figure 12.

Figure 12: R	un a Status	Poll to S	peed Things	Up

🕼 Network Node Manager					ser Name: ksmith	NNMi Role: Administra	ator Sign O
File View Tools Actions Help							
Incident Managerr Maps Incident Managerr Graphs	Node Interface						
A Topology Maps Polling	Status Poll						
Monitoring Configuration De		-	4 General	IP Addresses Ports	VLAN Ports	WAN Connections	Capabilities Cu >
Troubleshooting Custom Attribute							
Inventory Traffic Maps	• Fa0/2/0		 SNMP Values 				
Management Mo	tus No Status hagement Mode Managed		ifName	Fa0/2/0			
Modes HP NNM iSPI Per	mance >		ifAlias				
m Interfaces	Mode Inherited -		ifDescr	FastEthernet0/2/0			
IP Addresses		Ē	ifIndex	4			
SNMP Agents	Hosted On Node mpisce07		ifSpeed	100 Mbps			
IP Subnets	Physical Address 001A6C70161C		ifType	ethernetCsmacd			- 13
Comment of the second s	Layers Conner top	and the second		- Amerika	And the second s	- Charles	

You can see in Figure 13 that Interface Fa0/2/0 has been polled.

Figure 13: Polling Interface Fa0/2/0

Basics		^	General	IP A	ddress	es Interfa	ces Cards	Ports	VLAN	I Ports Ro	outer F 🕨
Name	mplsce07		•								
Hostname Management Address	TRANSPORT FOR STREET		🗵 📑 :	C			😥 🕥 1 - 7 o	f 18		0 (3 🖃
Status	Normal		Status 👻	Admi	Opera	ifName	ifType	ifSpeed	ifIndex	ifAlias	Laye
Node Management Mode	Managed 👻	≡		8	8	Fa0/2/0	ethernetCsmacd	100 Mbps	4		
Device Profile	cisco2821		0	0	0	Se0/1/0	frameRelay	1.5 Mbps	3	Frame-Rel	Small =
SNMP Agent State			0	0	0	Gi0/1.1	l2vlan	100 Mbps	18	Dot1q Trur	mpls2
Agent Enabled		- 11	0	٢	0	Lo0	softwareLoopbac	8 Gbps	8	Loopback	
Agent SNMP State	Normal		0	0	0	Tu8	tunnel	100 Kbps	16	Tunnel to r	
Management Address ICMP State	Responding		0	0	0	Tu9	tunnel	100 Kbps	17	tunnel to ra	
Management Address ICMP Response Time	Nominal		0	0	٢	Tu2	tunnel	100 Kbps	11	Tunnel to s	-
Management Address	Normal Range	+	Updated: 7/15	/12 07:4	18:46 PI	N	Total: 18 Selecte	ed: 1 Filte	r: OFF	Auto refre	ash: OFF

6. Using a new, convenient feature, you can easily add more interfaces to this group to force them to be polled. Multiple selections are permitted in some tables as shown in Figure 14. Then the Custom Attribute can be added to the entire group.

Status⊽	Admi	Opera	Hosted On Node	ifName	ifType▽	ifSpeed -	ifIndex	ifDescr	ifAlias		Status Last Mod	lified	State Las
0	63	63	nortel5510		ethernetCsmacd	1 Gbps	5	Nortel Ethernet			Jun 12, 2012 2:22	:44 PM	Never
~ Ø	R	E.	nortel5510		ethernetCsmacd	1 Gbps	6	Nortel Ethernet			Jun 12, 2012 2:22		Never
- Ø	63	6	nortel5510		ethernetCsmacd	1 Gbps	7	Nortel Ethernet			Jun 12, 2012 2:22		Never
~ Ø	63	R	nortel5510		ethernetCsmacd	1 Gbps	8	Nortel Ethernet			Jun 12, 2012 2:22		Never
~ Ø	6	6	nortel5510		ethernetCsmacd	1 Gbps	9	Nortel Ethernet			Jun 12, 2012 2:22		Never
~ ⁄>			nortel5510		ethernetCsmacd	1 Gbps	9 10	Nortel Ethernet					Never
0 2)			nortel5510	•							Jun 12, 2012 2:22		
¥				-	ethernetCsmacd	1 Gbps	11	Nortel Ethernet			Jun 12, 2012 2:22		Never
Ø ~		<u> </u>	nortel5510		ethernetCsmacd	1 Gbps	12	Nortel Ethernet			Jun 12, 2012 2:22		Never
0	6	6	nortel5510	ifc13 (Slot: 1)	ethernetCsmacd	1 Gbps	13	Select All			Jun 12, 2012 2:22	:44 PM	Never
Ø	6	5	nortel5510	ifc14 (Slot: 1	ethernetCsmacd	1 Gbps	14	Sort Filter	*		Jun 12, 2012 2:22	:44 PM	Never
Ø	5	5	nortel5510	ifc15 (Slot: 1	ethernetCsmacd	1 Gbps	15	Export To CSV			Jun 12, 2012 2:22	:44 PM	Never
Ø	6	6	nortel5510	ifc16 (Slot: 1	ethernetCsmacd	1 Gbps	16	Maps	•		Jun 12, 2012 2:22	:44 PM	Never
Ø	63	6	nortel5510	ifc17 (Slot: 1	ethernetCsmacd	1 Gbps	17	Graphs Polling	+		Jun 12, 2012 2:22	:44 PM	Never
0	6	R	nortel5510	ifc18 (Slot: 1	ethernetCsmacd	1 Gbps	18	Configuration D	etails 🕨 🕨		Jun 12, 2012 2:22	:44 PM	Never
Ø	63	6	nortel5510	ifc19 (Slot: 1)	ethernetCsmacd	1 Gbps	19	Custom Attribut		Add	Jun 12, 2012 2:22	:44 PM	Never
- 2)	63	6	nortel5510	ifc20 (Slot: 1)	ethernetCsmacd	1 Gbps	20	Traffic Maps Management Mg	te ►	Removè/	Jun 12, 2012 2:22		Never
~ Ø	63	63	drail	eth2	ethernetCsmacd	1 Gbps	7	HP NNM iSPI Per			Jun 12, 2012 2:22		Never
2	6		drail	eth3	ethernetCsmacd		8	eth3			Jun 12, 2012 2:22		Never
~ ?>		6	dc6509-2	Gi1/1	ethernetCsmacd	1 Gbps	1	GigabitEtherne			Jun 12, 2012 2:22		Never
0 2)								-					
T		<u> </u>	hp2626-1	25	ethernetCsmacd	1 Gbps	25	25			Jun 12, 2012 2:22		Never
0	6	6	ntc6kgw2	Gi1/1	ethernetCsmacd	1 Gbps	1	GigabitEtherne			Jun 12, 2012 2:22	:49 PM	Never
													E.

Figure 14: Using Multiple Selections

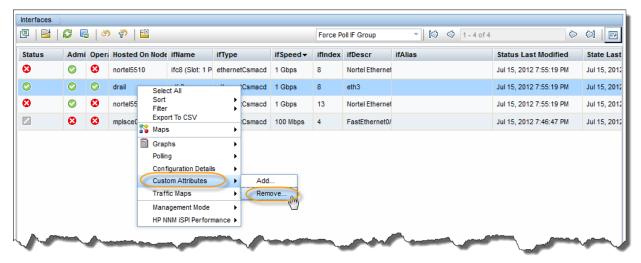
7. If you want to see all the interfaces that you have forced to be polled, go to **Inventory** -> **Interfaces** and choose **Force Poll IF Group** from the pull down menu as shown in Figure 15.

Figure 15: Listing the "Forced Polled" Interfaces

ile View Tools Actions Help													
Incident Management	×	Interfaces											
🖕 Topology Maps	*	2 🖻	6	6	9 🖗 📔				Force P	oll IF Group	🔍 🔊 🖓 1-4 of 4	\diamond	Ø E
Monitoring	*	Status	Admi	Opera	Hosted On Node	ifName	ifType	ifSpeed •	ifIndex	ifDescr	ifAlias	Status Last Modified	State La
Troubleshooting	×	8	0	0	nortel5510	ifc8 (Slot: 1 P	ethernetCsmacd	1 Gbps	8	Nortel Ethernet		Jul 15, 2012 7:55:19 PM	Jul 15, 2
Inventory	*	0	٢	0	drail	eth3	ethernetCsmacd	1 Gbps	8	eth3		Jul 15, 2012 7:55:19 PM	Jul 15, 2
Modes 🖉		8	0	۲	nortel5510	ifc13 (Slot: 1	ethernetCsmacd	1 Gbps	13	Nortel Ethernet		Jul 15, 2012 7:55:19 PM	Jul 15, 2
m Interfaces	11		0	۵	mplsce07	Fa0/2/0	ethernetCsmacd	100 Mbps	4	FastEthernet0/		Jul 15, 2012 7:46:47 PM	Jul 15, 2
IP Addresses	11												
SNMP Agents	ш												
IP Subnets													

Finally, if you want to remove an interface from this Force Poll IF Group, there are a few ways you can do it. One is to right-click on the interface; then choose Custom Attributes -> Remove... as shown in Figure 16.

Figure 16: Removing an Interface from Forced Polling



9. Type in ForcePoll for the Name and 1 for the value; then click OK.

		Value pair will be removed from eavalues you enter here.	ch item you
	Name and Value.		
1.00	ForcePoll		
realine	Constantine and the		
	1		

10. Click **OK** in the next dialog box.

Action complete for 1 of 1 Items.	
ОК]

Another method you can use to return the interface to its non-forced polling policy is to do the following:

- 1. Open the interface form.
- 2. Click the **Custom Attributes** tab.
- 3. Select the **ForcePoll** attribute.
- 4. Click the **Delete** button as shown in Figure 17.

Figure 17: Deleting a Forced Poll

Interfaces (Interface)	
🗵 🗊 🛗 🏹 Save and Close 🥩 🔛	
	🔺 tions Capabilities Custom Attributes Interface Groups Performance Incidents Stat 🕨 👻
Name ifc13 (Slot: 1 Port: 13) Status Critical Management Mode Managed	▼
Direct Management Mode	Name Value Delete
Hosted On Node nortel5510 Physical Address 0015407AD000 Layer 2 Connection	
▼ Interface State	
Administrative State Up Operational State Down State Last Modified July 15, 2012 7:55:18 PM MDT	
✓ Notes	
Notes	
part and the process	and a star we want the star prover and the

Now the interface will return to its non-forced polling policy.

Conclusion

NNMi is flexible enough to assist you if you must monitor additional interfaces. You can configure NNMi to monitor additional interfaces using a monitoring configuration policy and a specific custom attribute that you define. You then add this attribute to the interface, so that the interface can be monitored. You can accomplish this by following the steps detailed in this paper.

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(http://www.apache.org)

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