ISM Configuration Step by Step Guide HTTP Monitor

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Overview

The following guide shows how to configure the ISM to monitor the HTTP web server mywebserver.com on port 8080. It shows how to achieve this using the ISM Configuration GUI and also using the ISM Configuration CLI.

1 ISM Configuration GUI

The ISM Configuration GUI is displayed by clicking on the ISM Button in the Tivoli Enterprise Portal (TEP):

🖩 Enterprise Status - WIN-C9EQH15QGP2 - SYSAD	MIN	
<u>F</u> ile <u>E</u> dit ⊻iew <u>H</u> elp		
1	80	.) 🕘 🖑 📰 🗞 🛛 😒 🛄 😤 😂 .
😪 Navigator		E Situation Event Console
🔗 📝 View: Physical		3 3 🔺 🖌 🖬 🕄 🕄
Enterprise		Severity Status Owner

1.1 Create a Profile

Create a profile to store the HTTP profile monitor element.

1. Click on the Create New Profiles button:

×	Distribution COD G	roups	
ofiles	Systems		
30	System	Availability	Status
	WIN-C9EQH15QGP2:IS	Yes	ОК
	mwager-rhel4as:IS	No	Unconfigured

- 2. Type in a name
- 3. Click OK.

This adds the profile to the navigation tree.

The following example creates a Profile called myProfile:

⁸ Input Profile Name	×
Please input the profi	le name
myProfile	
ОК	Cancel
	•

1.2 Add monitor type to Profile

Add a HTTP monitor to the profile to store the HTTP profile monitor element.

1. Select the profile	in the tree:	-	
🖩 Internet Service Monitoring Cor	figuration		×
Profiles	Add monitor type to profile	DHCP Add	
	Rupiloble Custome	Doployed Cystems	

2. Select the HTTP monitor type from the dropdown menu to add to the profile:

🖩 Internet Service Monitoring Configu	uration	×
Profiles	Add monitor type to profile Add monitor type to profile DHCP Add DHCP Add DHCP DHCP DHCP DHCP DHCP DHCP DHCP DHCP DHCP DHCP DHCP DHCP Add DHCP DHCP Add DHCP DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add DHCP Add Add Add Add Add Add Add Ad	
	ICMP IMAP4 LDAP	

3. Click the Add button and this will add it to the navigation tree under the profile:

🔢 Internet Service Monitoring Cor	ifiguration	×
TO F Profiles myProfile	Add monitor type to profile	Add

1.3 Create the HTTP profile element

The following steps show how to create the HTTP profile element.

1. Select the profile monitor in the navigation tree:

Internet Service Monitoring Configu	ration			×
105	server	page	description	Active
🗐 Profiles				

2. Type in the server name and press enter.

This example sets the server name to mywebserver.com:

Internet Service Monitoring C	onfiguration			د ا
005	server	page	description	Active
Profiles	mywebserver.com			
myProfile THITP				

3. Change the port to 8080:

Internet Service Monitoring Configur	ation			×
000	server	page	description	Active
Profiles	mywebserver.com	1	HTTP mywebserver.co	
-		1	•	Delete
	Advanced 😪 Pa	rameters 🔲 🛄 Proxy De	tails 🕺 🍂 Regexp 📀	SLC
-	- Nar	ne	Value	
	port	8	080	▲
	localip			
	version	1	.0	
	command	G	ET	
	formname		ALC: Man	
	authenticationtype	<u> </u>	IONE	
	username			
	password			
	timeout	3	0	
	poli	3	00	
	Tallureretests	U		Y
		<u> </u>	Ca <u>n</u> cel	<u>A</u> pply <u>H</u> elp
Created new profile: myProfile				

1.4 Deploy the profile to an ISM Agent

The HTTP profile to monitor mywebserver.com on port 8080 has been created. This now needs to be deployed to an ISM agent before the monitoring can begin.

- 1. Select the **Profiles** root node
- 2. Select the system
- 3. Select the profile to deploy
- 4. Select the **Right Arrow** button to deploy the profile

🔡 Internet Service Monitoring Configura	ition		×
Profiles	Systems		
	System	Availability	Status
	WIN-C9EQH15QGP2:IS Yes	}	ок
	mwager-rhel4as:IS No		Unconfigured
1: Select the Profiles root note 2: Select the system			
			Resync Agent
	-Available Profiles	Deploye	a Profiles
3: Select the profile	myProfile 4: Deploy the profile		
		<u>O</u> K Ca <u>n</u> c	el <u>A</u> pply <u>H</u> elp
Created new profile: myProfile			

5. Select the **OK** Button to save all the changes and close the ISM Configuration GUI Window:

-	Available Profiles	Deployed Profiles
		myProfile
		<u>O</u> K Ca <u>n</u> cel <u>Apply</u> <u>H</u> elp
Created new profile: myProfile		

2 ISM Configuration CLI

The ISM Configuration CLI can be found at the following locations at the Tivoli Enterprise Portal:

	Windows	Unix
Tivoli Enterprise Portal desktop	C:\IBM\ITM\CNP\	/opt/IBM/ITM/ <i>arch</i> /cj/lib/
Tivoli Enterprise Portal browser	C:\IBM\ITM\CNB\classes\	/opt/IBM/ITM/ <i>arch</i> /cw/classes/

2.1 Create a Profile

A profile needs to be created that will store the HTTP profile monitor element.

The following example shows how to create a profile called myProfile:

```
      Windows
      ismconfig.cmd -config -new myProfile

      Unix
      ./ismconfig.sh -config -new myProfile
```

Administrator: Command Prompt

Note: The final listprofiles command shows that the myProfile profile has been created.

2.2 Create the HTTP monitor profile element

The following example shows how to create a HTTP profile element to monitor web server mywebserver.com on port 8080:

Windows	ismconfig.cmd -config "-add monitor=HTTP profile=myProfile server=myweb server.com port=8080"
Unix	./ismconfig.sh -config "-add monitor=HTTP profile=myProfile server=myweb server.com port=8080"

Administrator: Command Prompt

```
C:\IBM\ITM\CNP>ismconfig.cmd -config "-add monitor=HTTP profile=myProfile server=myweb
server.com port=8080"
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321
```

```
C:\IBM\ITM\CNP>ismconfig.cmd -config "-listelts profile=myProfile monitor=HTTP"
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321
(Profile: myProfile)
  Index 0
  Checksum guicli_1337235612424_10055_2c49
  Active
  Arguments: {
    hostnamelookuppreference = 'Default'
    timeout = '30
    formname = ''
    server = 'mywebserver.com'
    command = 'GET
    authenticationtype = 'NONE'
   dynamiccontent = 'nodynamiccontent'
description = 'HTTP mywebserver.com element.'
   page = '/'
localip = ''
poll = '300'
    username = ''
    failureretests = '0'
   version = '1.0'
password = ''
    retestinterval = '0'
    port = '8080'
  }
]
```

Note: The final listelts command shows that the HTTP profile element has been created.

2.3 Deploy the profile to an ISM Agent

The HTTP profile to monitor mywebserver.com on port 8080 has been created. This now needs to be deployed to an ISM agent before the monitoring can begin.

The following example shows how to deploy profile myProfile to agent WIN-C9EQH15QGP2:IS

Windows	ismconfig.cmd -config -deploy "profile=myProfile agent=WIN-C9EQH15QGP2:IS"
Unix	./ismconfig.sh -config -deploy "profile=myProfile agent=WIN- C9EQH15QGP2:IS"

Administrator: Command Prompt

Note: The final listdeployment command shows that the HTTP profile element has been deployed.