

# **ISM Configuration Step by Step Guide HTTP Monitor**

## 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

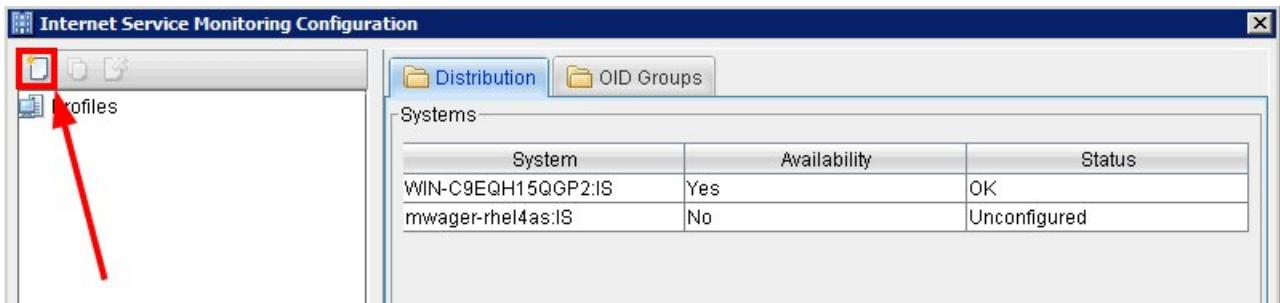
The ISM Configuration GUI is displayed by clicking on the ISM Button in the Tivoli Enterprise Portal (TEP):



## 1.1 Create a Profile

Create a profile to store the HTTP profile monitor element.

1. Click on the **Create New Profiles** button:



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

This adds the profile to the navigation tree.

The following example creates a Profile called `myProfile`:



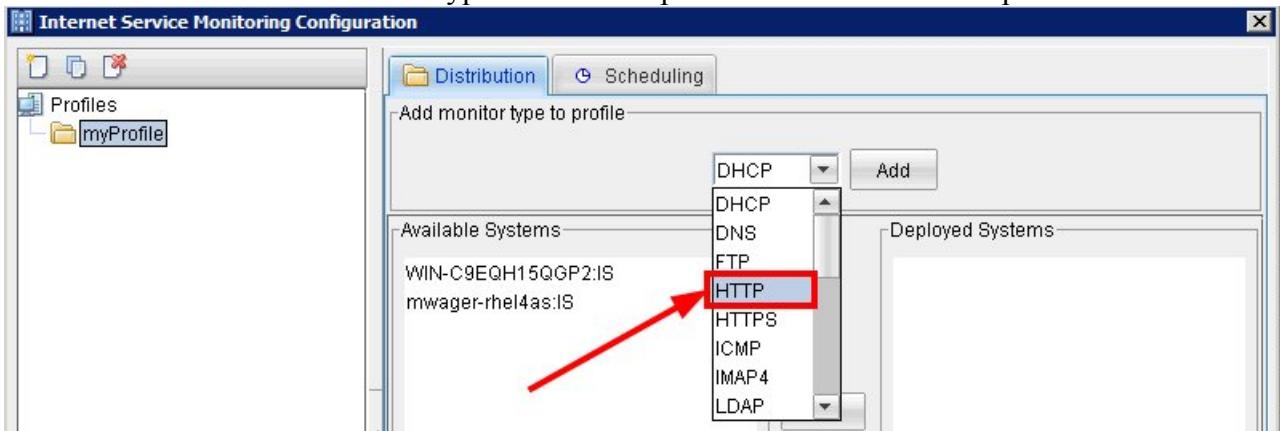
## 1.2 Add monitor type to Profile

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

1. Select the profile in the tree:



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



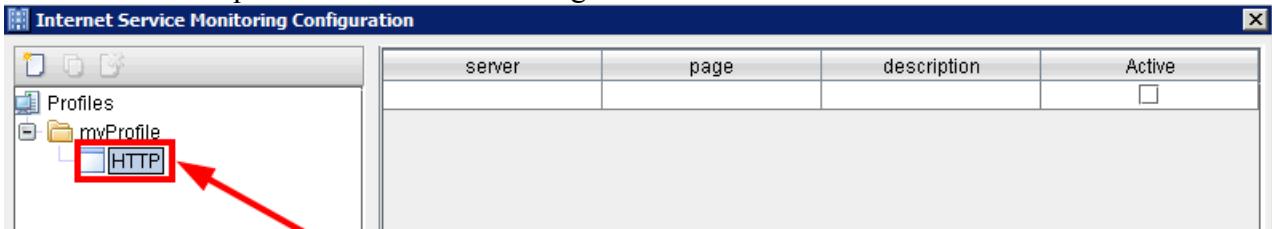
3. Click the **Add** button and this will add it to the navigation tree under the profile:



## 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:

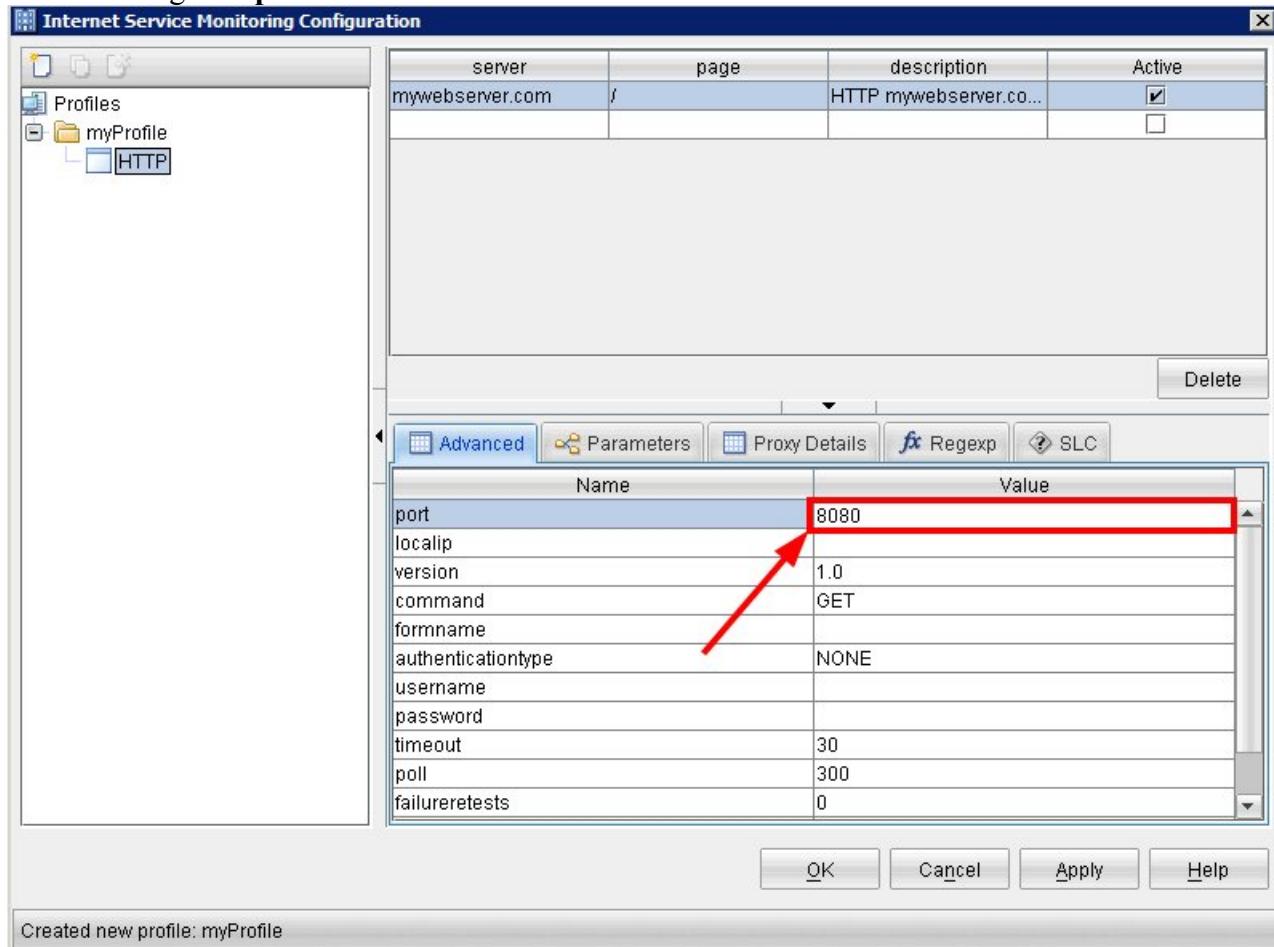


2. Type in the server name and press enter.

This example sets the server name to `mywebserver.com`:



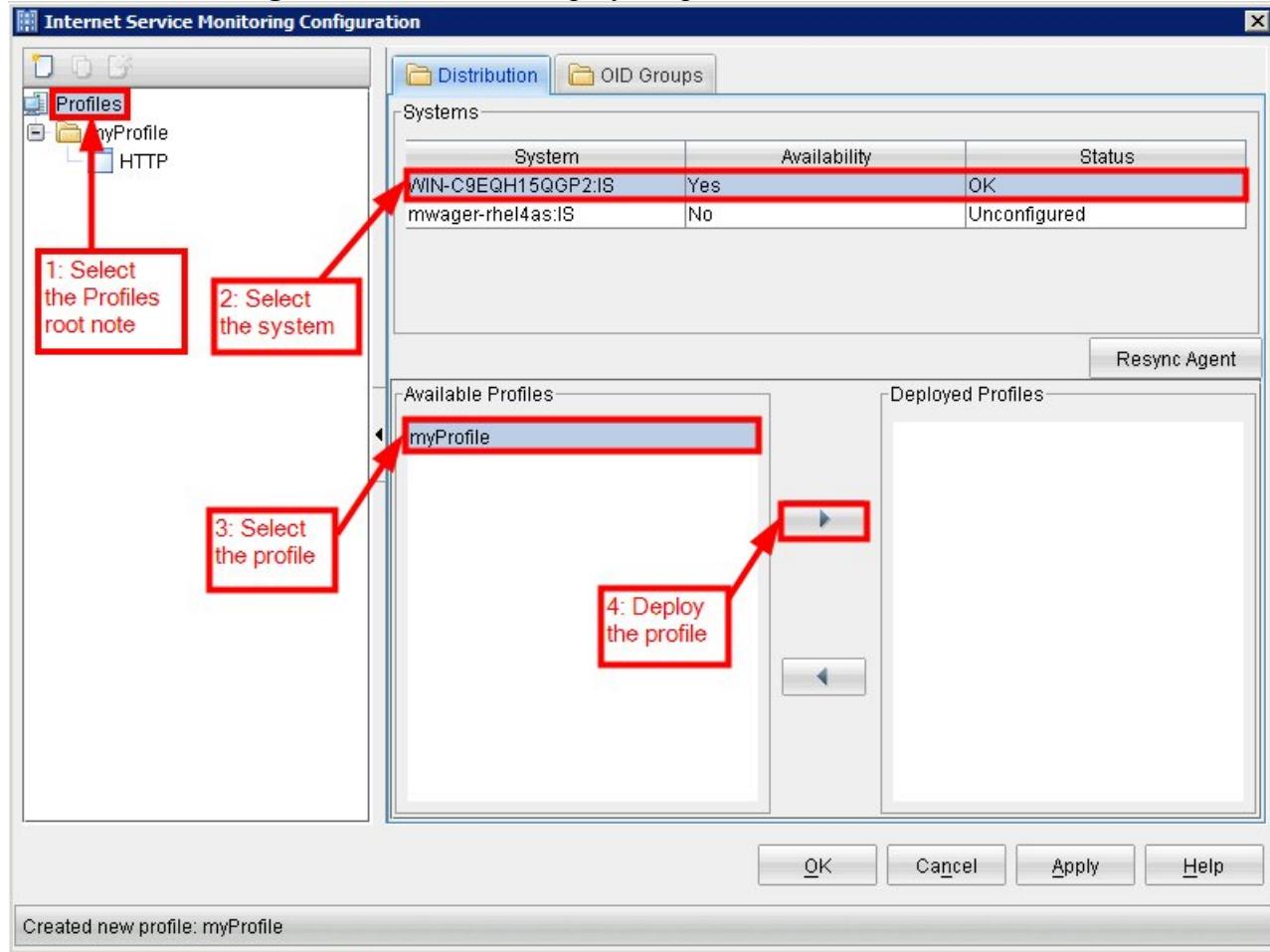
3. Change the port to 8080:



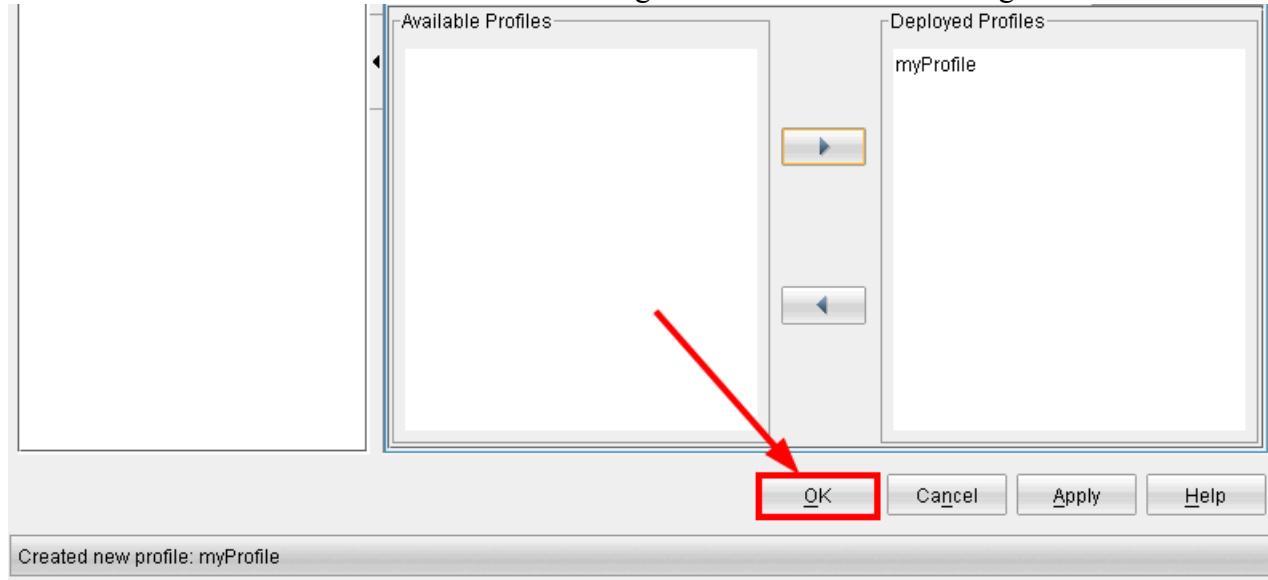
## 1.4 Deploy the profile to an ISM Agent

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



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



## 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/arch/cj/lib/
Tivoli Enterprise Portal browser	C:\IBM\ITM\CNB\classes\	/opt/IBM/ITM/arch/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	<code>ismconfig.cmd -config -new myProfile</code>
Unix	<code>./ismconfig.sh -config -new myProfile</code>

Administrator: Command Prompt

```
C:\IBM\ITM\CNP>ismconfig.cmd -config -listprofiles
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321
```

Profiles

-----

```
C:\IBM\ITM\CNP>ismconfig.cmd -config -new myProfile
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321
```

```
C:\IBM\ITM\CNP>ismconfig.cmd -config -listprofiles
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321
```

Profiles

-----

`myProfile`

**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	<code>ismconfig.cmd -config "-add monitor=HTTP profile=myProfile server=mywebserver.com port=8080"</code>
Unix	<code>./ismconfig.sh -config "-add monitor=HTTP profile=myProfile server=mywebserver.com port=8080"</code>

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

Administrator: Command Prompt

```
C:\IBM\ITM\CNP>ismconfig.cmd -config -deploy "profile=myProfile agent=WIN-C9EQH15QGP2:IS"
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321
```

```
C:\IBM\ITM\CNP>ismconfig.cmd -config -listdeployment "profile=myProfile"
Internet Service Monitoring Configuration
Copyright (c) IBM 2011
Version: ITCAM_ISM_7.3_0321

Profile: myProfile
-----
WIN-C9EQH15QGP2:IS
```

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