IBM

IBM Tivoli Endpoint Manager 8.2

Locating your software usage analysis web connection ports

In this IBM Tivoli® Endpoint Manager 8.2 training module, you learn how to locate the port that is used for the Software Usage Analysis web interface. You also learn how to locate important BigFixDSSApache proxy server and BigFixDSS backend service connection ports.

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Objectives

When you complete this module, you can accomplish these tasks:

- Determine the port that is used for the Software Usage Analysis (SUA) web interface

- Determine the port for proxy server service BigFixDSSApache

- Determine whether BigFixDSSApache proxy server service uses HTTPS

- Determine ports that are used for the BigFix DSS Backend services

In this IBM Tivoli Endpoint Manager 8.2 training module, you learn how to locate the assigned Software Usage Analysis (SUA) web interface port number. Next, you learn how to locate the assigned port number for the BigFixDSSApache proxy server service. After that, you learn how to determine whether the BigFixDSSApache proxy server service uses Secure Hypertext Transfer Protocol and how to locate the assigned port numbers for BigFix DSS backend services.

Determining port that is used for SUA web interface

Observe your proxy server service and backend NT services.

SUA1 by default has six TCP/IP ports used:

- Started as NT Services

- The services are:
  - BigFix DSS Backend 0
  - BigFix DSS Backend 1
  - BigFix DSS Backend 2
  - BigFix DSS Backend 3
  - BigFix DSS Backend 4
  - BigFix DSS Backend 5

BigFixDSSApache acts as proxy server service and dispatches requests to "BigFix DSS Backend #" services.

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SUA1 by default has a BigFixDSSApache proxy server and six TCP/IP ports. The six TCP/IP ports are started as NT Services. The NT services are named as BigFix DSS Backend 0 to BigFix DSS Backend 5. The BigFixDSSApache acts as a proxy server service and dispatches requests to the six BigFix DSS Backend services.

Determine port for proxy server service BigFixDSSApache

Determine the port that is used for proxy server service BigFixDSSApache:

- In registry, go to HKEY_LOCAL_MACHINE > SYSTEM > Software > BigFix > BigFix Inventory > Text_subs

- For 64-bit OSes, go to HKEY_LOCAL_MACHINE > SYSTEM > Software > Wow6432Node > BigFix > BigFix Inventory > Text_subs

To determine the port that is used for the proxy server service, you go to one of the registry directory paths that are shown on this slide. Observe the difference in file paths to Text subs that exists between 32-bit and 64-bit operating systems.

Determining whether BigFixDSSApache proxy server service used HTTPS

To determine whether BigFixDSSApache used HTTPS, check for UseSSL parameter:

- If UseSSL parameter is set to true, look for the value of HTTPSPort parameter for port that is used for HTTPS

- If UseSSL parameter is set to false, look for the value of HTTPPort parameter for port use for HTTP

　　　　Locating your software usage analysis web connection ports　　　　

The setting of the UseSSL parameter determines whether the proxy server service BigFixDSSApache used HTTPS or HTTP. If UseSSL is set to true, then HTTPS protocol is being used. If UseSSL is set to false, then HTTP is being used.

Determining ports that are used for BigFix DSS Backend services

Observe the port numbers that are used for BigFix Backend services:

- In registry:
  - HKEY_LOCAL_MACHINE > SYSTEM > ControlSet001 > Services > [BigFix DSS Backend #]
  - # is from 0..5

- Look for the value of a parameter under the services called ImagePath
  - in the value string, look for value follow by argument "-p", it is the port number use by the service
  - "C:/Program Files (x86)/BigFix Enterprise/DSS/ruby/bin/mongrel_service.exe" single -l "C:\Program Files (x86)\BigFix Enterprise\DSS\rails\log\mongrel.log" -e production **-p** 6671 -a 127.0.0.1 -P "log\mongrel_0.pid" -c "C:/Program Files (x86)/BigFix Enterprise/DSS/rails" -t 0 -r "public" -n 1024

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To detect BigFix DSS Backend services ports, you look at both the registry and the service called ImagePath. The registry directory path is displayed on this slide where # is from zero to five.

To find out the port of each service, you look for the value of the parameter under the service called "ImagePath". In the value string, look for the value followed by the argument "-p". That value string is the port number that is used by that service. For example, the service "BigFix DSS Backend 0" used port 6671.

Summary

Now that you have completed this module, you can accomplish these tasks:

- Determine the port that is used for the Software Usage Analysis (SUA) web interface

- Determine the port for proxy server service BigFixDSSApache

- Determine whether BigFixDSSApache proxy server service used HTTPS

- Determine ports that are used for the BigFix DSS Backend services

Now that you have completed this IBM Tivoli Endpoint Manager 8.2 training module, you can locate the assigned Software Usage Analysis (SUA) web interface port number. You now can also locate the assigned port number for the BigFixDSSApache proxy server service. Also, you can tell others whether the BigFixDSSApache proxy server service uses Secure Hypertext Transfer Protocol. You can also tell others the assigned port numbers for BigFix DSS backend services.

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