

IBM License Metric Tool 7.5

Performing stand-alone scans

© 2014 IBM Corporation



In this training module, you learn how to perform stand-alone scans with IBM License Metric Tool 7.5.

Objectives

When you have completed this training module, you can accomplish these tasks:

- Describe what an IBM License Metric Tool V7.5 stand-alone scan is to others
- Name the four major parts of the stand-alone scan prerequisites check
- Name the three major steps of the stand-alone scan process
- Perform an IBM License Metric Tool V7.5 stand-alone scan

When you have completed this training, you can perform these tasks:

- Describe a stand-alone scan
- Name the four parts of the prerequisite check
- Name the three steps in the stand-alone scan process
- Perform a stand-alone scan

Stand-alone scan overview

These characteristics define stand-alone scans:

- Used to perform scans on machines
- Used when the standard License Metric Tool agent cannot connect to the remote License Metric Tool server
- Provide software, capacity, and hardware information

A stand-alone scan is used to perform scans on machines where there is no possibility for the standard License Metric Tool agent to connect to the remote License Metric Tool server. By running the stand-alone scan scripts, you can gather software, capacity, and hardware information.

Stand-alone scan prerequisites

These prerequisites must be accomplished before performing a stand-alone scan:

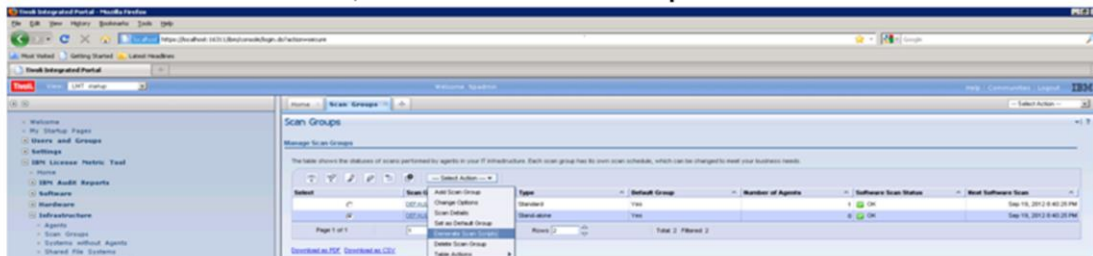
- Installed and configured administration server with security enabled
- Administration server must have a command-line interface
- Previous deployment of software on the system where the stand-alone scan is to be performed
- Created account on the administration server with at least inventory administrator rights
- A computer that you can use to access the administration server web user interface

Perform a prerequisites check before performing stand-alone scans. Make sure that there is an installed and configured administration server. The administration server must have security enabled. Make sure you have an authenticated username and password for command-line interface operation. Software has to have been deployed on the system where the stand-alone scan is to be performed. No software deployed will yield empty scan results. An account must have been created on the administration server with at least inventory administrator rights. In addition, you need a computer for remote web portal access to the administration server.

Generate scan scripts (1 of 2)

Perform these actions to generate scan scripts:

- Open the License Metric Tool web user interface
- In the navigation bar, click **Infrastructure** > **Scan Groups**
- Choose the stand-alone scan group by selecting a radio button
- From the **Select Action** list, click **Generate Scan Scripts**



5

Performing stand-alone scans

© 2014 IBM Corporation

Generating scan scripts calls for following four steps:

First, open the LMT web user interface.

Second, click **Infrastructure** and then **Scan Groups**.

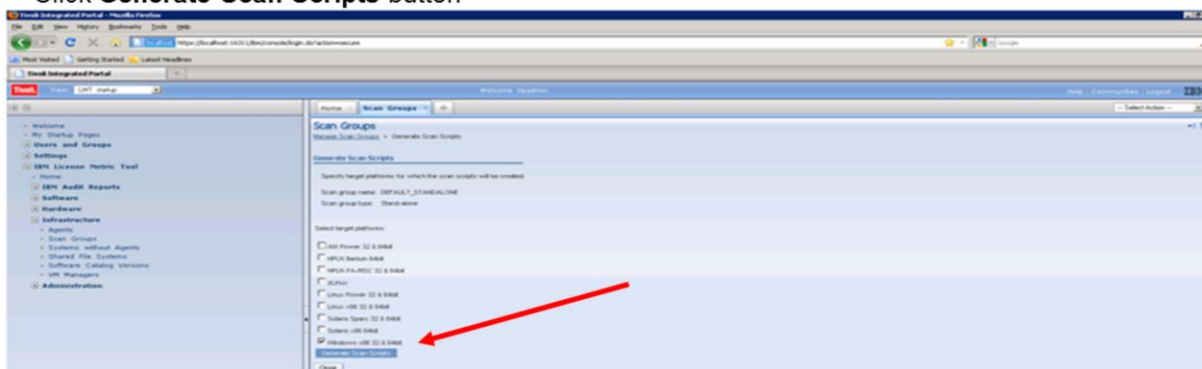
Third, choose the stand-alone scan group.

And fourth, click **Select Action** and then **Generate Scan Scripts**.

Generate scan scripts (2 of 2)

Perform these actions:

- Select the operating system for which the scan scripts are to be created
- Click **Generate Scan Scripts** button



6

Performing stand-alone scans

© 2014 IBM Corporation

Select the operating system of the system for which the scan scripts are to be created. On this slide example, Windows® x86 32 & 64 bit was selected. Next, click the **Generate Scan Scripts** button.

Extracting, transferring, and running a scan script

In this example, the scripts are to be copied to and extracted in the temp directory of a Windows system.

Note: You must have previously generated the scanner script file.

These actions are performed to extract, transfer, and run the scanner script file on Windows:

- Log in to the selected Windows system and change to the temp directory
- To extract the compressed scanner file into the target system temp directory
 - Use an FTP application
 - Copy the scanner files to the temp directory on the target Windows system
 - Extract the compressed scanner file
- Run the script `./stdas_scanner.bat`

Note: When the scanner scripts are for non-Windows system, the scanner file should be extracted on a non-Windows computer to preserve the needed executable attributes. If you happen to lose these attributes, the scanner will not work properly. You can try to restore them by running the command: `chmod a+x file_name` on these files:

- `stdas_scanner/bin/stdas_scanner.sh`
- `stdas_scanner/bin/tools/*`
- `stdas_scanner/cit/platform/bin/*`
- `stdas_scanner/cit/platform/bin/plugins/*`

The file that has been generated is saved in a .zip format. Scanner scripts must now be transferred to the selected windows system where no agent has been installed. After successful transfer, you can extract the file and run the scan.

Running scan scripts

Scan scripts messages

```
C:\temp\stdas_scanner_DEFAULT_STANDALONE_win_12-09-14-18.54.34\stdas_scanner\bin
>C:\temp\stdas_scanner_DEFAULT_STANDALONE_win_12-09-14-18.54.34\stdas_scanner\bin\stdas_scanner.bat
|CODSS0073I The log directory: C:\temp\stdas_scanner_DEFAULT_STANDALONE_win_12-09-14-18.54.34\stdas_scanner\bin\..\logs\20120914-153744_326c193e-5054-4583-ada7-aa59c7930dea_IBM-UA70U3312S0.
CODSS0001I Starting the IBM License Metric Tool 7.5.0.0 stand-alone scan.
CODSS0082I Press Control+C any time to break the scan.
CODSS0080I Executing the stand-alone scan for the first time - assigned ID: 5066181253663213221
6181253663213221
CODSS0079I Initializing...
CODSS0019I Output directory: C:\temp\stdas_scanner_DEFAULT_STANDALONE_win_12-09-14-18.54.34\stdas_scanner\bin\..\upload\5066181253663213221_1347637064_1347651464_326c193e-5054-4583-ada7-aa59c7930dea.
CODSS0054I Running the capacity scan ...
CODSS0056I Running the software scan ...
CODSS0068I Compressing output data to C:\temp\stdas_scanner_DEFAULT_STANDALONE_win_12-09-14-18.54.34\stdas_scanner\bin\..\upload\upload_IBM-UA70U3312S0-20120914-153744.zip.
CODSS0021I Cleaning up ...
CODSS0072I The stand-alone scan has finished successfully.

C:\temp\stdas_scanner_DEFAULT_STANDALONE_win_12-09-14-18.54.34\stdas_scanner\bin
>
```

Depending on the amount of data in the file systems, it can take a long time to run the scan scripts. The following are sample messages seen while the scan is being performed. The scan results have been written to a .zip file (in this example, the .zip file four lines from the bottom). The upload folder contains a compressed file. You must copy the compressed file back to a directory on the administration server to be able to perform the import of the stand-alone scan results.

Importing scan results (1 of 2)

In order to import the stand-alone scan results into the License Metric Tool administration server for view and analysis of the software and capacity scan results:

- You must be an *inventory administrator*
- You must have copied the compressed file with the results of stand-alone scan into a directory on the administration server, for example, using an FTP client

To import the stand-alone scan results into the License Metric Tool administration server for view and analysis, you must be an inventory administrator and have copied the compressed file with the results of the stand-alone scan into a directory on the administration server.

Importing scan results (2 of 2)

Perform these actions sequentially:

1. Copy the file with scan results (in this example: upload_IBM-UA70U3312SO-20120914-153744.zip to a directory, for example /tmp/scanresults)
2. Start the License Metric Tool command-line interface and log in.
3. Launch the **uploadscans -d /tmp/scanresults** command from the administration server, where /tmp/scanresults is a directory with compressed files containing scan results.

Note: A message is displayed, confirming the successful import of the file.

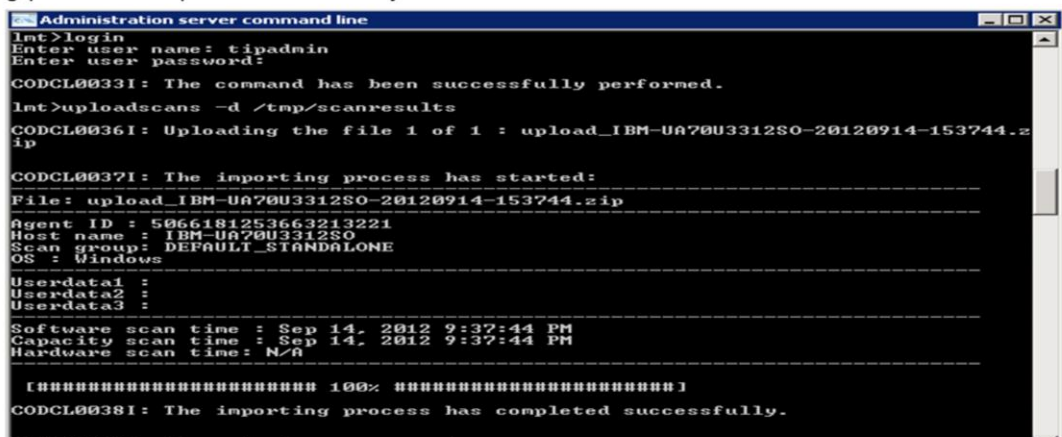
Perform these actions sequentially:

- Copy the file with scan results to a temporary directory
- Start the License Metric Tool command-line interface and log in.
- Launch the **uploadscans -d** command from the administration server, passing as a parameter the name of a directory with compressed files that contain scan results.

You will see a message confirming that the file was imported successfully.

Importing process completed successfully

Importing process completed successfully

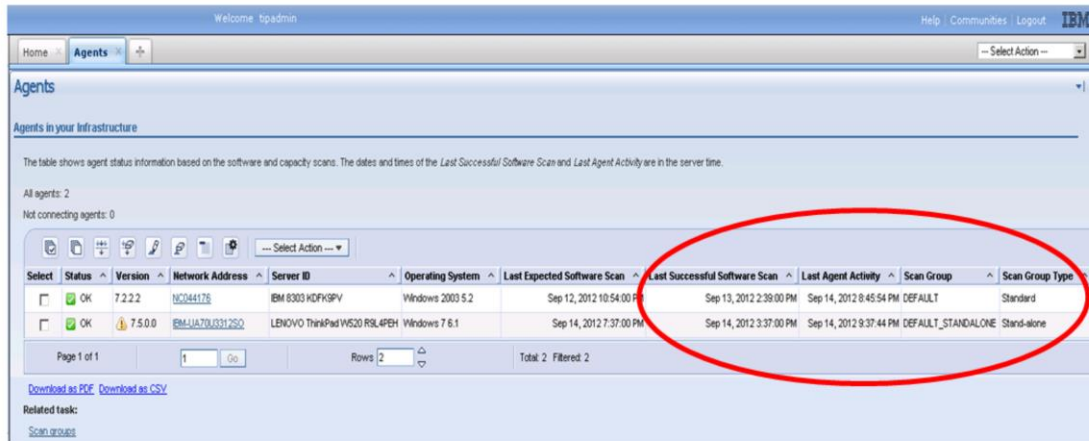


```
Administration server command line
Int>login
Enter user name: tipadmin
Enter user password:
CODCL0033I: The command has been successfully performed.
Int>uploadscans -d /tnp/scanresults
CODCL0036I: Uploading the file 1 of 1 : upload_IBM-UA70U3312S0-20120914-153744.zip
CODCL0037I: The importing process has started:
-----
File: upload_IBM-UA70U3312S0-20120914-153744.zip
Agent ID : 5066181253663213221
Host name : IBM-UA70U3312S0
Scan group: DEFAULT_STANDALONE
OS : Windows
-----
Userdata1 :
Userdata2 :
Userdata3 :
-----
Software scan time : Sep 14, 2012 9:37:44 PM
Capacity scan time : Sep 14, 2012 9:37:44 PM
Hardware scan time: N/A
-----
[##### 100% #####]
CODCL0038I: The importing process has completed successfully.
```

On this slide, you see that the importing process completed successfully.

View infrastructure information

Time stamp of package visible in **Last Agent Activity** column of the **Infrastructure > Agents** window.



The screenshot shows the 'Agents' window in the IBM Tivoli Management Console. The table below displays agent information, with the 'Last Agent Activity' column circled in red. The table has columns for Select, Status, Version, Network Address, Server ID, Operating System, Last Expected Software Scan, Last Successful Software Scan, Last Agent Activity, Scan Group, and Scan Group Type.

Select	Status	Version	Network Address	Server ID	Operating System	Last Expected Software Scan	Last Successful Software Scan	Last Agent Activity	Scan Group	Scan Group Type
<input type="checkbox"/>	OK	7.2.2.2	10.0.4.178	IBM 8303 HDPVSPV	Windows 2003 S.2	Sep 12, 2012 10:54:00 PM	Sep 13, 2012 2:39:00 PM	Sep 14, 2012 8:45:54 PM	DEFAULT	Standard
<input type="checkbox"/>	OK	7.5.0.0	IBM-1A.70.031250	LENOVO ThinkPad W530 RSL4PEH	Windows 7 6.1	Sep 14, 2012 7:37:00 PM	Sep 14, 2012 3:37:00 PM	Sep 14, 2012 9:37:44 PM	DEFAULT_STANDALONE	Stand-alone

Now that you have imported the scan results, view the infrastructure information that has been gathered by the stand-alone agent. The time stamp of the uploaded package is now visible in the **Last Agent Activity** column of the **Infrastructure > Agents** window as displayed on this slide.

Summary

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

- Describe what an IBM License Metric Tool V7.5 stand-alone scan is to others
- Name the four major parts of the stand-alone scan prerequisites check
- Name the three major steps of the stand-alone scan process
- Perform an IBM License Metric Tool V7.5 stand-alone scan

Now that you have completed this training, you can describe a stand-alone scan, name the four parts of the prerequisite check, name the three steps in the stand-alone scan process, and perform a stand-alone scan.

Trademarks, disclaimer, and copyright information

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of other IBM trademarks is available on the web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at <http://www.ibm.com/legal/copytrade.shtml>

Windows, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Other company, product, or service names may be trademarks or service marks of others.

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2014. All rights reserved.