getOrderNumbers tool

Subtopics

1. Running the getOrderNumbers tool

The getOrderNumbers tool provides you with a complete list of the licenses installed on your license servers. This output is one of the files required by the License Renewal Comparison Tool and helps you with the annual license renewal process.

> CAUTION: Do not run the `getOrderNumbers` tool under user `root`. This can lead to longer execution times.

> Note: Prerequisite: FLEXlm license server software version: ≥ 11.9.1.1.

> Note: The `getOrderNumbers` tool is available for Red Hat Enterprise Linux 5 and 7. Use the version applicable to your operating system version.

You can run the `getOrderNumbers` tool either on one of your license server hosts or on any of the SmarTest clients.

Sign on to the Advantest Software Center and go to: **Other Software > Active Tools and Files > Licensing > LicensingTools > getOrderNumbers**

To install the tool, extract it and copy it to a host in your network, for example at `/home/my_name/license-renewal-tools/getOrderNumbers.`

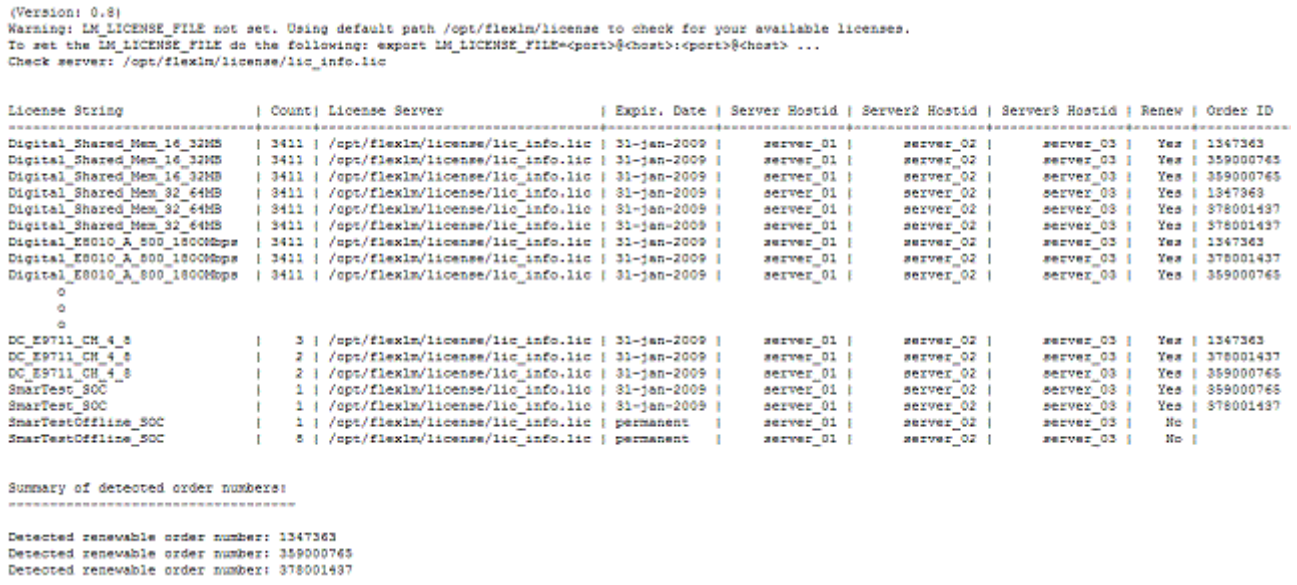
Once you copied the file, make sure it is executable.

For the recommended three-license-server redundancy configuration or for multiple license servers within a network, you need to run the `getOrderNumbers` tool only once, either on one of the license server hosts or on a SmarTest client host.

If you have license servers in multiple independent networks, you must run the `getOrderNumbers` tool in each network.

Example

For example, for a three-license-server redundancy configuration, the output is one license server inventory file showing the installed licenses for all three servers:



```
(Version: 0.8)
Warning: LM_LICENSE_FILE not set. Using default path /opt/flexlm/license to check for your available licenses.
To set the LM_LICENSE_FILE do the following: export LM_LICENSE_FILE=<port>@<host>:<port>@<host> ...
Check server: /opt/flexlm/license/lic_info.lic

License String               | Count| License Server                  | Expir. Date | Server Hostid | Server2 Hostid | Server3 Hostid | Renew | Order ID
=============================+======+=================================+=============+===============+================+================+=======+===========
Digital_Shared_Mem_16_32MB   | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 1347363
Digital_Shared_Mem_16_32MB   | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 359000765
Digital_Shared_Mem_16_32MB   | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 359000765
Digital_Shared_Mem_32_64MB   | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 1347363
Digital_Shared_Mem_32_64MB   | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 378001437
Digital_Shared_Mem_32_64MB   | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 378001437
Digital_E8010_A_800_1800Mbps | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 1347363
Digital_E8010_A_800_1800Mbps | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 378001437
Digital_E8010_A_800_1800Mbps | 3411 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 359000765
      o
      o
      o
DC_E9711_CM_4_8              |    3 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 1347363
DC_E9711_CM_4_8              |    2 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 378001437
DC_E9711_CM_4_8              |    2 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 359000765
SmarTest_SOC                 |    1 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 359000765
SmarTest_SOC                 |    1 | /opt/flexlm/license/lic_info.lic | 31-jan-2009 |     server_01 |      server_02 |      server_03 |   Yes | 378001437
SmarTestOffline_SOC          |    1 | /opt/flexlm/license/lic_info.lic | permanent   |     server_01 |      server_02 |      server_03 |    No |
SmarTestOffline_SOC          |    8 | /opt/flexlm/license/lic_info.lic | permanent   |     server_01 |      server_02 |      server_03 |    No |

Summary of detected order numbers:
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Detected renewable order number: 1347363
Detected renewable order number: 359000765
Detected renewable order number: 378001437
```

Related information

[License Renewal Comparison Tool]

Running the getOrderNumbers tool

You need to run the `getOrderNumbers` tool as preparation for the annual license renewal. The tool creates a complete list of the FlexLM licenses installed on your license servers. The output is one of the files required by the License Renewal Comparison Tool.

About this task

You will run the getOrderNumbers tool either on of the FlexLM license server hosts or on a SmarTest client. The tool is supported on Red Hat Enterprise Linux 5 and 7 (RHEL 5 and RHEL 7). Use the version applicable to your operating system version..

To run the tool type:

`./getOrderNumbers [-q<uiet>] [-s<ummary>]`

The command options are:

`-q<uiet>`: Hide detailed license information and display only the detected order numbers.

`-s<ummary>`: Display only the summary of all license quantities and Do not split the counts per order number.

Before you begin

Make sure your license configuration either uses the default path `/opt/flexlm/license`, or you have set the LM_LICENSE_FILE environment variable. Otherwise licenses cannot be found. See chapter 3 of the *Macrovision FLEXlm End Users Guide* for a complete explanation of how to use this environment variable to establish a multiple server network.

Procedure

1. Open a terminal window and change to the directory where you installed the `getOrderNumbers` tool.

2. Type, for example `$ > ./getOrderNumbers >` `license-inventory-server01.txt.`
   This saves the output to the `license-inventory-server01.txt` file. The Comparison Tool expects a file with a .txt file name extension.

3. Copy the license inventory file to the directory where you collect the files for the comparison process, for example **`verigy-license-renewal-2009`**. (See also Managing files to compare).

Results

The created output file is the license inventory file required for the license renewal comparison process. The file lists all license servers that were checked, provides a table with all FlexLM licenses

installed in your license environment, plus a summary of the detected renewable order numbers at the bottom.

Example

```
(Version: 0.8)
Warning: LM_LICENSE_FILE not set. Using default path /opt/flexlm/license to check for your available licens
To set the LM_LICENSE_FILE do the following: export LM_LICENSE_FILE=<port>@<host>:<port>@<host> ...
Check server: /opt/flexlm/license/2230003476_00aa33333333.lic
Check server: /opt/flexlm/license/2230002222_00bb19466101.lic


License String                  | Count | License Server      | Expir. Date | Server Hostid | Renew | Order
--------------------------------+-------+---------------------+-------------+---------------+-------+------
xpressdata_SOC                  |     1 | /opt/flexlm/license | 31-jan-2009 |  00aa33333333 |   Yes | 22200
Analog_E9722B_Src_2_4           |     1 | /opt/flexlm/license | 31-jan-2009 |  00aa33333333 |   Yes | 22300
Analog_E9722B_Meas_2_4          |     1 | /opt/flexlm/license | 31-jan-2009 |  00aa33333333 |   Yes | 22300
Analog_E9722B_Src_100_200Msps   |     4 | /opt/flexlm/license | 31-jan-2009 |  00aa33333333 |   Yes | 22300


Summary of detected order numbers:
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Detected renewable order number: 2220001111
Detected renewable order number: 2230002222
```

What to do next

The created license inventory file is required for the license renewal comparison process. For details see How to execute a comparison.

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