

License Server Log

This Feature is about writing the floating licenses usage in the License Server.

A new XML file will provide this data. The data that will be shown is a list of grabbed modules.

For each module the following data will be provided:

1. A total grabbed item count of the module.
2. Expiration date of the module.
3. Total number of floating licenses of the module.
4. The module name.
5. A list of users that grabbed the module.

For each user the following data will be provided:

- a. A grabbed item count for this user.
- b. The time that the module was grabbed.
- c. The Host name.
- d. The User name.

Here is a sample of the output XML file:

```
<?xml version="1.0"?>
<CUSTOM_STAT VENDOR="custom_cadenas">
  <USAGE FEATURE="20170308085829" TOTAL_LICENSES="35" EXPIRES="" USED_LICENSES="6">
    <USER USERNAME="presset_di" HOSTNAME="niv-w2605" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 08:30"/>
    <USER USERNAME="stagiairemt" HOSTNAME="mbb-d0121" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 13:35"/>
    <USER USERNAME="marion_eri" HOSTNAME="niv-w2707" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 13:37"/>
    <USER USERNAME="manjon_ste" HOSTNAME="niv-w2701" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 09:28"/>
    <USER USERNAME="vonallmj" HOSTNAME="cdn-euc1622" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 09:55"/>
    <USER USERNAME="blp-bolchr" HOSTNAME="blp-ws6194" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 13:26"/>
  </USAGE>
  <USAGE FEATURE="20170308090741" TOTAL_LICENSES="1000" EXPIRES="" USED_LICENSES="1">
    <USER USERNAME="marion_eri" HOSTNAME="niv-w2707" USED_LICENSES="1"
CHECKOUT_TIME="2019-06-14 14:20"/>
  </USAGE>
  <USAGE FEATURE="20170308085518" TOTAL_LICENSES="1000" EXPIRES="" USED_LICENSES="0"/>
</CUSTOM_STAT>
```

To activate the writing to this log, the following parameters have to be added in the “CimLmService.exe.config” file (which exists on the server installation folder, typically C:\Program Files\Oqton\License Server):

“UsageReporter” - Boolean parameter that determine if the reporter will be activate or not

“ReportInterval” – Set the report interval (in seconds)

“ReportPath” – Set the path of the report xml file.

“ReportFileName” – Set the name of the report xml file.

“ReportVendor” – Set the Vendor name.

“ReportCheckoutDateFormat” – Set the report Date Format for the Checkout date field (if not provided, the computer default Date Format will be used).

“ReportExpirationDateFormat” – Set the report Date Format for the Expiration date field (if not provided, the computer default Date Format will be used).

“ReportOverride” – Boolean parameter that determine if the information will be written to the same file (or create a different file in each bit).

Here is a sample of the additional fields need to be added to the “CimLmService.exe.config “ file in order to activate the reporter: (the additional fields are marked in yellow):

```
<appSettings>
  <!--> Trace + Log settings <-->
  <add key="Trace" value="1"/>
  <add key="lPort" value="10106"/>
  <add key="LogSchedTime" value="02:20:30"/>
  <add key="EventLogName" value="CimLogService"/>
  <add key="LogPeriod" value="7.0"/>

  <!-- Set of UsageReporter parameters -->
  <add key="UsageReporter" value="true"/>
  <add key="ReportInterval" value="300"/>
  <add key="ReportPath" value="C:\Temp"/>
  <add key="ReportFileName" value="X-Formation.xml"/>
  <add key="ReportVendor" value="Gibbs"/>
  <add key="ReportCheckoutDateFormat" value="yyyy-MM-dd HH:mm"/>
  <add key="ReportExpirationDateFormat" value="yyyy-MM-dd"/>
  <add key="ReportOverride" value="true"/>
</appSettings>
```

```
<startup><supportedRuntime version="v4.0"
sku=".NETFramework,Version=v4.6.1"/></startup></configuration>
```

In order to change the logging default parameters (Filename, generation of log file) it can be done by changing “InitializeData” value.

This is the default InitializeData:

```
initializeData="C:\Program Files\3D Systems\License
Server\Log\CimLmService_{DateTime:yyyy-MM}.log"
```

The default log file generation period is one per month: “DateTime:yyyy-MM”

To change it to log file per year you should change to: “DateTime:yyyy”

```
initializeData="C:\Program Files\3D Systems\License
Server\Log\CimLmService_{DateTime:yyyy }.log"
```

To change it to one continues log file that does not recreates itself you should change to:

```
initializeData="C:\Program Files\3D Systems\License Server\Log\CimLmService.log"
```

Note: The service must be restarted before the logging will start.



