

Nastel

AutoPilot® M6 Licensing Guide

Version 6.0

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PUBLISHED BY:

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DOCUMENT TITLE: **NASTEL AUTOPILOT M6 LICENSING**

VERSION: **6.0**

DOCUMENT RELEASE DATE: **FEBRUARY 2019**

NASTEL DOCUMENT NUMBER: **M6/LIC 600.004**

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1.1 Licensing for AutoPilot M6

AutoPilot M6 uses a licensing model that includes a single license file and is based on the maximum number of running logical CPUs. The CPU count is defined as the number of processors or cores (physical or logical) reported to our product by the operating system on which Nastel's products are running. The number of CPUs can be checked and verified by running Windows Task Manager (Performance Tab) on Microsoft OS, or a "top" utility on UNIX or Linux operating systems running on physical and virtual machines.

The standard evaluation license is issued for 15 days and includes five users, 3 servers, and 100 instances of management services per domain. It will run the domain server, CEP server, and web server. After 15 days, a new license key must be installed.

1.1.1 Obtaining a New M6 License

Nastel products are offered directly and through partners. To request an extended evaluation license or other license requests:

- If you received your product directly from Nastel, send license inquiries to licensing@nastel.com. Usually you will receive the license key(s) via email.
- If you received your product from a Nastel partner, please contact your Nastel partner representative for details to request license information.

1.1.2 Installing the M6 License

There are two ways to install a new license or to upgrade an existing license to the new M6 license:

- Copy the new license directly into the [AP_HOME]/naming folder ([section 1.1.2.1](#))
- Use the AutoPilot M6 graphical interface to load the new license file ([section 1.1.2.2](#)).

1.1.2.1 Copy License File

The license must be stored in [AP_HOME]/naming folder where [AP_HOME] represents the folder where AutoPilot M6 is installed; for example, /opt/nastel/AutoPilotM6.

1. If upgrading, move your old license file to a different directory.
2. Copy the new license file and paste it in your [AP_HOME]/naming folder.

1.1.2.2 Use License Manager

1. Open AutoPilot M6 and click the license manager  icon from the main toolbar to display the *License Manager* dialog box.

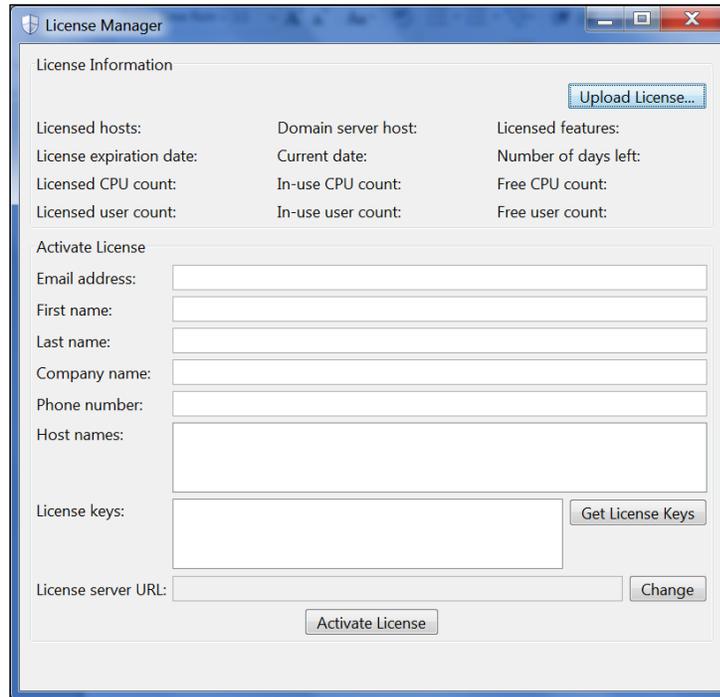


Figure 1-1. License Manager

2. Enter your information in the provided fields including the **Host names** and **License keys** you received from Nastel or its partner.
3. Click **Upload License** and select the license file. This will populate the fields on the top of the dialog box.
4. Close the *License Manager* dialog box.

	NOTE:	The Activate License button is not used. The Get License Keys button opens the <i>Purchase Software</i> page on the Nastel website (www.nastel.com/resource/481.html) where the instructions from section 1.1.1 are provided.
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5. Verify license status as described in [section 1.1.3](#), *Checking License Status*.

All license-related events are recorded in the “License” log located on the Domain Server. This log can be accessed using M6 “Event Viewer”. License usage information can be accessed via the built-in business view, *DS_AutoPilot_Licensing_Policy*, which is deployed by default within the Domain Manager.

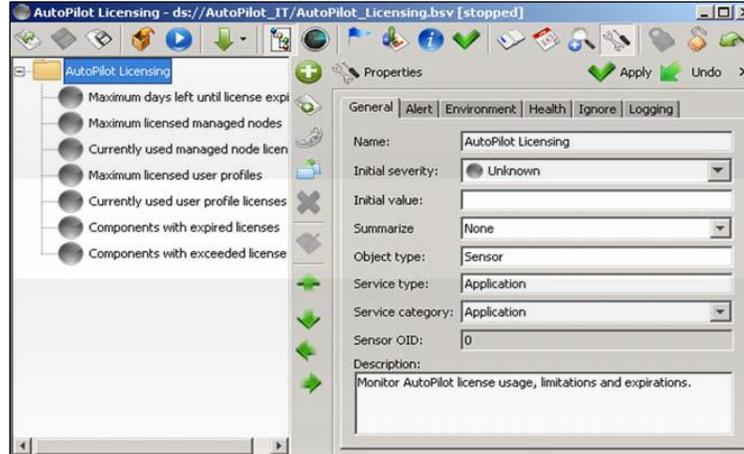


Figure 1-2. License Usage Monitor

1.1.3 Checking License Status

License status, limitations, and conditions can be reviewed using the **aplic** command. You should check the status after license updates are installed. From the command prompt type **aplic**, the current license information will be displayed.

1-1. License Status (APLIC)							
Property	Description						
scope=	Name of localhost scope. Scope is defined as a list of servers where license is valid. By default <code>scope</code> represents the name of the local server. The scope can be overridden using <code>-s</code> command line option, to test license for a specific host or a list of hosts.						
localhost=	Host name of the local node.						
license key=	Location of license file.						
license url=	License file URL.						
License Details	<table border="0"> <tr> <td><i>component</i>=Licensed component</td> <td><i>expiration_date</i>= current expiration date</td> </tr> <tr> <td><i>licensed_hosts</i>=Names of hosts where license is valid</td> <td><i>expired</i>=whether the license is expired</td> </tr> <tr> <td><i>max_usage</i>=maximum instances allowed</td> <td><i>inscope</i>=whether the license is in scope</td> </tr> </table>	<i>component</i> =Licensed component	<i>expiration_date</i> = current expiration date	<i>licensed_hosts</i> =Names of hosts where license is valid	<i>expired</i> =whether the license is expired	<i>max_usage</i> =maximum instances allowed	<i>inscope</i> =whether the license is in scope
<i>component</i> =Licensed component	<i>expiration_date</i> = current expiration date						
<i>licensed_hosts</i> =Names of hosts where license is valid	<i>expired</i> =whether the license is expired						
<i>max_usage</i> =maximum instances allowed	<i>inscope</i> =whether the license is in scope						
Summary	<table border="0"> <tr> <td><i>total</i>=total number of licenses components</td> </tr> <tr> <td><i>expired</i>=total number of expired licenses</td> </tr> <tr> <td><i>out-of-scope</i>=total number of licenses out of scope</td> </tr> </table>	<i>total</i> =total number of licenses components	<i>expired</i> =total number of expired licenses	<i>out-of-scope</i> =total number of licenses out of scope			
<i>total</i> =total number of licenses components							
<i>expired</i> =total number of expired licenses							
<i>out-of-scope</i> =total number of licenses out of scope							

1.2 Licensing for AutoPilot M6 for WMQ

	IMPORTANT!	A new license is required for AutoPilot for WebSphere MQ version 6.5 and higher.
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Before you start AutoPilot M6 for WMQ, you need to obtain a CPU-based license file and install it on each system on which a workgroup server will run. If this is a new installation of AutoPilot M6 for WMQ, a 15-day trial license will be created by the installation process. The CPU count is pre-allocated and subject to change. Contact your sales manager for further information pertaining to trial license properties.

A workgroup server license is a digitally-signed text file that contains identification and license entitlement information for your AutoPilot M6 for WMQ installation. Each time the workgroup server is started, it checks the license file for your licensing and configuration information.

1.2.1 Obtaining a New APWMQ License

Nastel products are offered directly and through partners. To request an extended evaluation license or other license requests:

- If you received your product direct from Nastel, send license inquiries to licensing@nastel.com. Usually you will receive the license key(s) via email.
- If you received your product from a Nastel partner, please contact your Nastel partner representative for details to request license information.

	NOTES:	<ol style="list-style-type: none"> 1. The workgroup server will not run without a correctly configured license file. 2. A new license is required for Version 6.5 and higher. It contains entries for users of APODWMQ and users running agents on z/OS which were not stored in earlier versions.
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1.2.2 Installing M6-WMQ License

	NOTE:	Before installing your license, stop the workgroup server that the license will be installed on.
-------------------------------------------------------------------------------------	--------------	--------------------------------------------------------------------------------------------------

When you receive your license file, back it up in a safe place in case you ever need to reinstall M6-WMQ. For the system that will run the workgroup server identified in the license file, copy the license file to the directory:

```
[APWMQ_HOME]\config\groups
```

where:

[APWMQ_HOME] is the directory path where M6-WMQ is installed, such as /opt/nastel/apwmq.

	NOTE:	The name of the license file must be AutoPilotWMQ_xyz.lic, where xyz is the name of the workgroup.
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1.2.3 Checking the APWMQ License

1. Check the license file information by starting your workgroup server and running it from the command line. Type the command:

```
nsqmgr -console -m<GroupName> (Windows only)
```

```
nsqmgr -m<GroupName>
```

2. The workgroup server will return the licensing information, similar to the following example:

```
LICENSING INFORMATION:
SOURCE (C:\Program
Files\nastel\apwmq\config\groups\AutoPilotWMQ_MQM.lic) WORKGROUP (MQM)
FEATURES (SQLDB, TopologyView)
WORKGROUP_HOSTS (host)
CPU_COUNT (14)
USER_COUNT (10)
APODWMQ_USER_COUNT (10)
MIPS_COUNT (1000)
AGENTLESS_CONNECTION_COUNT (250)
EXPIRATION_DATE (Wed May 21 00.00.00 2018)
```

where:

FEATURES: List of licensable features that the workgroup server is authorized to use.

WORKGROUP_HOSTS: List of network hosts that the workgroup server is licensed to run on.

CPU_COUNT: Maximum number of system processors that can be simultaneously managed by a single workgroup server. The CPU count is defined as the number of processors or cores (physical or logical) reported to our product by the operating system on which Nastel's products are running. The number of CPUs can be checked and verified by running Windows Task Manager (Performance tab) on Microsoft OS, or a "top" utility on UNIX or Linux operating systems running on physical and virtual machines.

USER_COUNT: Maximum number of client users that can simultaneously connect to a single workgroup server via the M6-WMQ Explorer, Message Server and/or AutoPilot M6.

AGENTLESS_CONNECTION_COUNT: Maximum number of concurrent Queue Manager connections allowed by Connection Manager.

APODWMQ_USER_COUNT: Maximum number of concurrent users that can logon via APODWMQ.

MIPS_COUNT: Maximum number of MIPS for servers on z/OS simultaneously running APWMQ agents.

EXPIRATION_DATE: Date on which the license expires and a new license will have to be obtained.