



Multiple Application Platform Server

MAPS 6.1.1 Release Guide

Product version 6.1.1

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What's New in MAPS 6.1.1?

Evisions is pleased to announce the release of MAPS version 6.1.1, which includes the following changes:

- MAPS and Argos can now be installed in a clustered environment consisting of multiple MAPS server nodes behind a load balancer, providing increased performance, stability, and redundancy.
- Data connections now allow users to connect as their own username via a proxy account to Banner 9 databases.
- Additional enhancements and resolved issues.

We appreciate the feedback received from all of our users. Our products would not be what they are today without your continued support. If you have any comments or suggestions, please do not hesitate to [open a HelpDesk ticket](#) and let us know.

MAPS Updates

MAPS 6.1.1 is an update to the MAPS service and the MAPS Config. You should upgrade both components concurrently.

[Product versions](#)

The latest versions of MAPS included in this release are:

- MAPS service 6.1.1.2018 / MAPS Config 6.1.1.1070

Installation

[1. Prepare test environment and ensure current backup](#)

We highly recommend installing updates in a test environment before applying them to your production environment. You should make sure that a current backup is available in case of any unforeseen issues. To create a full backup of your MAPS environment, go to the **Server** -> **Backups** screen in MAPS and click **Backup Now**.

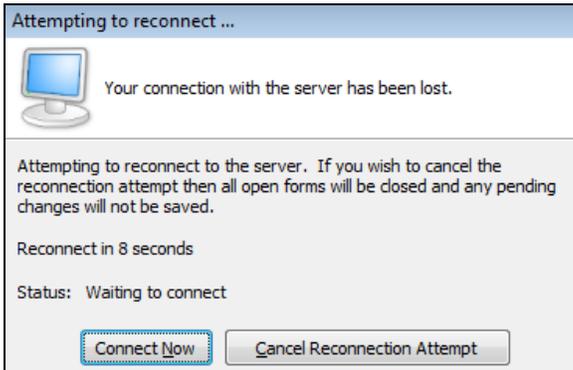
[2. Check for updates](#)

Click the **Check for Updates** button in the MAPS Configuration tool to view available updates.

It is possible to apply updates when users are on the system; however, to avoid the possibility of losing unsaved work we recommend applying updates during off hours.

[3. Allow update process to complete](#)

When applying updates to the MAPS service you will be temporarily disconnected from the server:



The update process may take a few minutes to complete. **Do NOT cancel the reconnection attempt or manually restart the server.** You will automatically be reconnected to the server once the update has been applied.

[4. Verify the latest version is installed](#)

To ensure that you are on the most current version, continue clicking the **Check for Updates** button and applying the updates until no new updates are available.

Please Provide Us with Your Feedback!

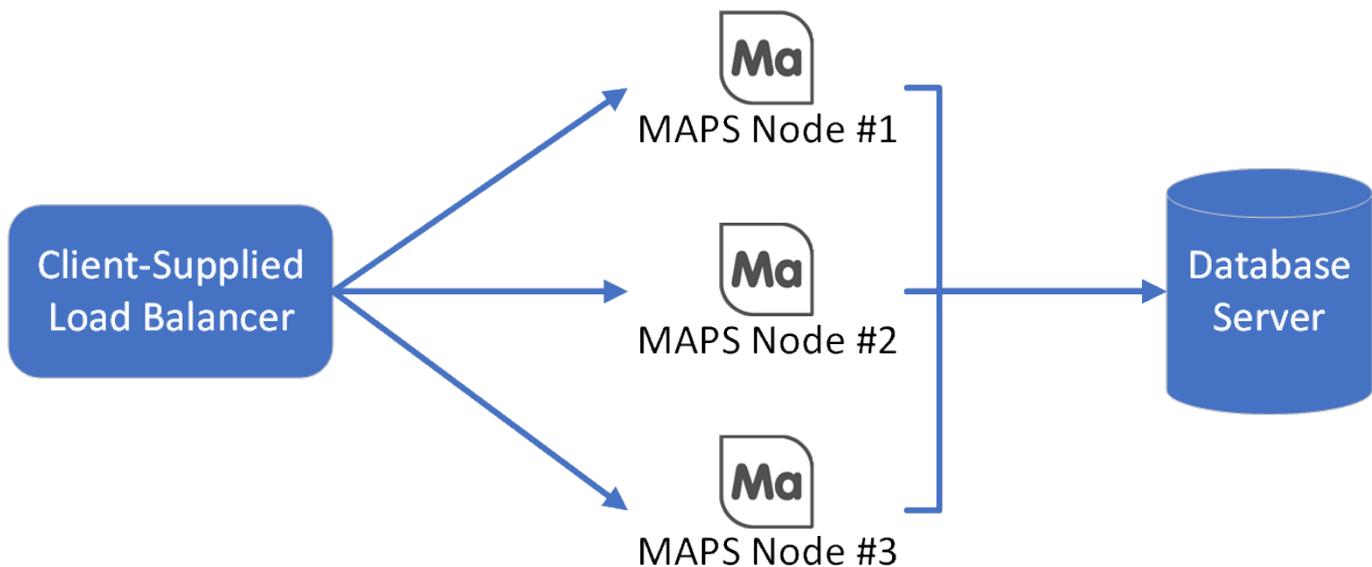
As always, we welcome any [feedback or suggestions](#) you may have. We very much appreciate your thoughts and suggestions, so please keep the great ideas coming!

Clustered MAPS Installations for Argos

MAPS 6.1.1 introduces a new optional clustering feature designed to better support running Argos in high-demand environments. A clustered MAPS installation consists of multiple redundant MAPS server nodes working together to handle a large user load, all connected to the same MAPS and Argos databases. This provides several benefits:

- Ability to support larger numbers of users.
- Increased performance, particularly in high-usage environments.
- Redundancy in case of server failure.
- Ability to take individual servers offline for maintenance without impacting users.

A clustered configuration uses several servers, including a database server and three or more MAPS server nodes. These servers can be either physical servers or virtual machines, so long as they have sufficient resources. Each MAPS server node connects to a PostgreSQL database server containing the MAPS and Argos databases, ensuring that all users have access to the same data in real time. A load balancer or load balancing software is used to distribute incoming traffic among the available MAPS server nodes.



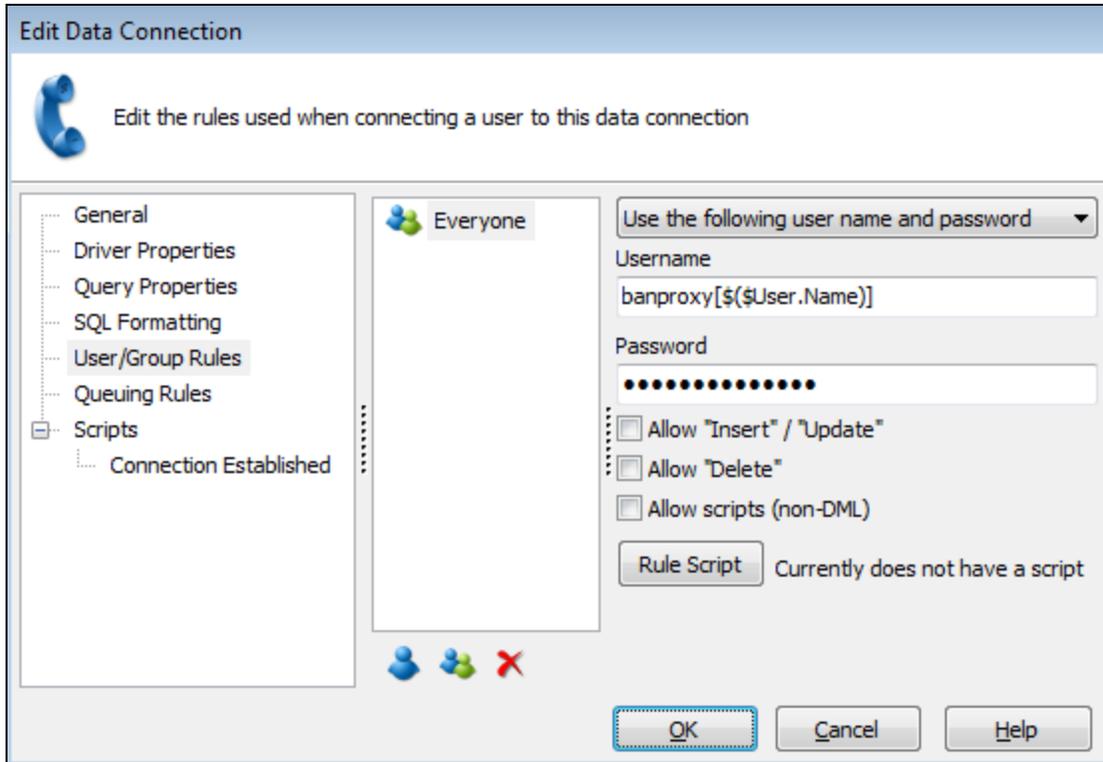
Existing MAPS and Argos environments can easily be moved to a new clustered environment, preserving your data, user configuration, and other MAPS and Argos settings through a simple migration process.

Note: Argos is the first MAPS application to support running in a clustered environment, due to the relatively high number of Argos users. If your institution also uses FormFusion and/or IntelCheck, you would simply keep your existing standalone installation for use with these products in addition to the new clustered environment for Argos.

If you would like more information on the optional clustering feature, please [contact your Evisions account representative](#).

Configuring Data Connections to Use a Proxy Account

Some ERPs, such as Banner 9, support the use of a proxy account to authenticate users to the database. If your institution uses such an account, you can now reference it when configuring your data connections. First, you will need to have a group that includes all of the users that you want to log in using the proxy account. In the example below, we are using the Everyone group so that all users will authenticate via the proxy.



1. For the connection options, select **Use the following user name and password**.
2. In the **Username** field, enter the name of the proxy account, followed by a reference to the `$User.Name` variable that contains the username of the current user:

```
banproxy [ $( $User . Name ) ]
```

In this example, the proxy account name is "banproxy", although this may be different for your environment. If the name of the proxy account is different, replace "banproxy" in the example with the name of your proxy account.

3. Enter the password for the proxy account.

MAPS 6.1.1 Release Notes

MAPS Service 6.1.1.2018 / MAPS Config 6.1.1.1070

MAPS

Enhancements

Area	Description	Issue number
Auditing	MAPS now stores all auditing records in the MAPS auditing database instead of archiving older records to the file system.	MAPS-1997
Cloud Connector	Added a digital signature to the Cloud Connector identifying it as a genuine Evisions application.	MAPS-1912
Data connections	The User/Group Rules screen of the data connection dialog now supports referencing the current user as a variable when specifying a username and password. This option may be used to configure access via a proxy account in Banner 9 environments. For example, entering "banproxy[\$(\$User.Name)]" in the username field would authenticate to the database using the banproxy account with the current user as the proxy user.	MAPS-1589
Data Warehouse	Added a MapsNode table that contains system information about each MAPS server node to the Data Warehouse.	MAPS-1913
Documentation	Updated the Hardware and Software Requirements document to include recommended specifications as well as the minimum requirements for MAPS servers.	MAPS-2042
Performance	MAPS can now be installed in a clustered environment consisting of multiple MAPS server nodes behind a load balancer, providing increased performance, stability, and redundancy.	MAPS-1550
Security	Updated the OpenSSL .dll files packaged with MAPS to version 1.0.2p.	MAPS-2029
Server	The nightly MAPS backup now includes optimizations for the MAPS and Argos SQLite databases, potentially reducing file sizes and improving performance.	MAPS-1976

Resolved Issues

Area	Description	Issue Number
Accessibility	Screen readers were reading the buttons used to close dialogs in the eLauncher as "Times" instead of "Close Dialog".	MAPS-1419
Config	On the Server -> IP Restrictions screen, columns containing dates did not sort correctly when clicking on the column headers.	MAPS-1960
Config	On the Auditing -> Summary screen, the Value column did not sort correctly when clicking on the column header.	MAPS-1962
Config	On the Schedules screen, sorting by Start/End Time was dividing the schedules with blank Start/End times into two groups based on whether or not the schedule had been edited at some point.	MAPS-1965
Config	On the Scheduling -> Configuration screen, the button used to reset the default timeout to 10 minutes was temporarily changing the value to 0, which would then change to 10 upon saving.	MAPS-1966
Config	Attempting to import a MAPS license from file was resulting in an error if the Evisions product update site was not reachable from the MAPS server.	MAPS-1967

Area	Description	Issue Number
Config	Removed the nonfunctional "Upload to CO-OP" button from the Data Dictionary screen.	MAPS-1975
Help	The MAPS help incorrectly stated that the MAPS service must be stopped in order to copy the directories containing MAPS backups.	MAPS-2028
Installation	After importing the MAPS license file for the first time, the License Key field was not filled out for the applications and the message "Invalid License" was shown until the license was re-imported or read from web.	MAPS-1917
Performance	The MAPS database was not decreasing in size when data was removed.	MAPS-1974
Scheduling	When editing a schedule in MAPS Config, the maximum timeout was displaying as 0 regardless of the actual timeout length if the Use Default box was checked.	MAPS-1981

Getting Help

For information on using the software, please refer to the in-product Help, which contains detailed information on all aspects of the product.

If you are having problems with the installation or configuration, you can search our knowledge base of common issues and their resolutions at <http://helpdesk.evisions.com>. If you are unable to find the solution, submit a HelpDesk request with a detailed explanation of the problem you are experiencing.

Please do not hesitate to contact the Evisions HelpDesk if any questions or problems arise. We are here to help you and want to ensure your success.

If you find that areas of this documentation could benefit from additional detail or clarification, please let us know. We are constantly trying to improve the installation process to make it as easy as possible.