

MAPS Release Documentation

Summary of Major Changes

The following is a summary of the major changes in each MAPS release. Please refer to the [release guides](#) for more information and for installation instructions for specific releases. You can also search through the [complete list of all MAPS release notes](#).

[MAPS 6.11 - 04/30/24 - Group Categories, More SAML SSO Authentication Configurations](#)

Enhancements:

- Group categories introduced to help filter group selection in some product areas.
- MAPS will now authenticate SAML SSO users in more configurations.
- Miscellaneous security enhancements.
- Stability and logging improvements.

Resolved Issues:

- Updating Institution Name within the Evisions MAPS license would sometimes cause a data validation error.

[MAPS 6.10.2 - 06/29/23 - Primary Groups, Support for SSO Authentication Through SAML](#)

Enhancements:

- MAPS Config now supports single sign-on and authentication through SAML servers.
- Added the option to enable primary group selection for Argos users.
- When single sign-on is enabled, the eLauncher sign in screen will now hide the username and password fields.

Resolved Issues:

- CAS and SAML synchronized users were being prompted to change the password of the associated MAPS user.

CDN Release:

- Added Windows Server 2022 to the list of supported operating systems.
- Added support for Windows 11.

[MAPS 6.10.1 - 05/03/23 - Delivery Queue, Out-of-Network Support for Printers and Email Servers](#)

Enhancements:

- Added support for out-of-network printers and email servers.
- New Delivery Queue section in MAPS Config for management of out-of-network jobs.
- Updated incremental searching capabilities.

[MAPS 6.10 - 03/23/23 - OpenSSL Version Configuration, Improved IP Restriction Propagation](#)

Enhancements:

- OpenSSL version can now be configured.
- Improved the way changes made to IP Restrictions propagate to other clustered nodes.
- Updated incremental searching capabilities.

Resolved Issues:

- Certain SAML server configurations would fail while authenticating via Single Sign-On.

[MAPS 6.9.3 - 02/14/23 - Resolved Issue With Increased Database Sessions](#)

Resolved Issues:

- Resolved an issue where re-opening certain data connections resulted in an increase in database sessions.

[MAPS 6.9.2 - 01/19/23 - Ability to Require SSO, Fix to IC BankMobile Payments Not Marked as Processed](#)

Enhancements:

- MAPS Administrators can now require users to log in using SSO.

Resolved Issues:

- System variables were sometimes blank when running multiple instances of the same DataBlock.
- Prevented data connections from timing out while a database transaction is still active.
- Resolved an issue in IntelCheck where batches were sometimes not marked as processed after transmitting BankMobile payments.

[MAPS 6.9.1 - 09/29/22 - Improved LDAP Search, IP Restrictions for IPv6](#)

Enhancements:

- Improved LDAP search capabilities.
- Added support for IP Restrictions for IPv6 addresses.

Resolved Issues:

- Microsoft OLE DB Driver 18 for SQL Server was failing to save Driver Properties settings.
- Additional resolved issues.

[MAPS 6.9 - 07/07/22 - Evisions DORIS Connector Improvements, Support for IPv6](#)

Enhancements:

- Improvements to the Evisions DORIS Connector endpoints, allowing for larger amounts of data to be displayed in Argos.
- Provided access to alternate Evisions DORIS environments.
- Process improvements for authenticating to Evisions DORIS using tokens.
- Added support for IPv6.
- Additional enhancements.

Resolved Issues:

- Printing from simultaneously running schedules would causes MAPS to crash.
- Additional resolved issues.

[MAPS 6.8.1 - 12/16/21 - API Support for MAPRAPI, Updates to SAML Server Synchronization](#)

Enhancements:

- SAML servers may now synchronize security, permissions, and other resources by way of a matching NameID and local MAPS user name.
- Added additional API support for MAPRAPI.
- Updates to the REST Connector.

Resolved Issues:

- Various resolved issues.

[MAPS 6.8 - 09/30/21 - Idle Timeout, New Grant Field Type in Driver Properties, Stability Improvements](#)

Enhancements:

- Implemented a new idle timeout for application sessions.
- Added the Grant Type field and the grant type "client_credentials" to the Driver Properties tab for increased flexibility when using REST Connections.
- Stability improvements.

Resolved Issues:

- Added the ability to store security tokens in MAPS to resolve an issue regarding failed authentications in a clustered environment.
- REST connections using OAuth2 were experiencing an issue where the abort authentication dialog became hidden.

[MAPS 6.7 - 07/29/21 - New DORIS Data Connection, Product Updater Recommendations](#)

Enhancements:

- Added the Evisions DORIS data connection type to MAPS Config.
- The Check For Updates window now includes new notifications when additional updates are recommended or required.
- Updated the workflow for adding and editing printers in MAPS Config.

Resolved Issues:

- Users authenticating with OAuth2 in 64-bit MAPS Config REST Connector, with HTTPS On Callback set as True were experiencing an access violation.
- Short date formats that begin with Day or Year were producing invalid date errors during Data Warehouse migration.
- Searching for LDAP users with TLS enabled was causing the MAPS Configuration Tool to become unresponsive and crash.
- Authenticating with OAuth2 to a REST data source, with Firefox set as the default browser, resulted in an error that blocked users from retrieving API access tokens.

[MAPS 6.6.4 - 05/26/21 - Resolved Performance Issues](#)

Resolved Issues:

- Some users were experiencing performance issues in certain situations.

[MAPS 6.6.3 - 02/11/21 - Resolved Issue With Unexpected Web Viewer and eLauncher Log-Outs](#)

Resolved Issues:

- Some users were experiencing unexpected log outs from the eLauncher and Web Viewer a short time after logging in.

[MAPS 6.6.2 - 01/28/21 - New MAPS Operation, eLauncher Stability Improvements](#)

Enhancements:

- Added the Run Direct Query operation for users who intend to execute queries from non-MAPS applications.
- Updated support for Chrome cookies.
- Various eLauncher accessibility improvements.

Resolved Issues:

- Deadlock errors were occurring when actions audited by MAPS were being performed during Data Warehouse migrations.

[MAPS 6.6.1 - 12/10/20 - Database Update, Stability Improvement](#)

Enhancements:

- Updated the MAPS Database Configuration utility to support Argos 6.6.1.

Resolved Issues:

- Refreshing a dashboard in the Web Viewer while a query was running caused instability issues.

[MAPS 6.6 - 09/24/20 - Major Enhancements to REST Connectors](#)

Enhancements:

- Major enhancements to REST Connectors, including:
 - The ability to export and import REST Connector configurations
 - Support for custom server-side filters
 - Support for different pagination styles
 - Support for Bearer Token Authentication
- Daily automatic refresh of licenses.

[MAPS 6.5.2 - 06/18/20 - License Update Notification Enhancements](#)

Resolved Issues:

- The "due to expire" notifications for MAPS applications (Argos, FormFusion, and IntellectCheck) have been suppressed for all users except MAPS Administrators and other users with Administrator roles.

[MAPS 6.5.1 - 04/23/20 - Stability Improvements](#)

Resolved Issues:

- Enhancement to allow devices to change an IP address and still retain a session.
- Bug fix to react to F5 key refresh spamming.

- Added multi-threading protection on session objects to improve stability.
- Improved logging of Mapplet errors.

[MAPS 6.5.0 - 03/26/2020 - 64-Bit MAPS, REST Connector](#)

Enhancements:

- MAPS is now available as a 64-bit application (requires new install or server migration).
- Added a new REST Connector option for connecting to third-party data sources that offer a RESTful API.
- The REST Connector and Salesforce Connector are now installed on demand and managed from a new Data Connections > Drivers screen.
- Various accessibility improvements to the eLauncher.

Resolved Issues:

- Native SQL Server database connections with the default string type set to Auto were failing with the error "The data types nvarchar and ntext are incompatible in the [operand] operator."

[MAPS 6.4.1 - 01/28/20 - Resolve Issue with Native SQL Server Connections in 6.4](#)

Resolved Issues:

- Resolved an issue where native SQL Server connections with the default string type set to Auto were failing with the error "The data types nvarchar and ntext are incompatible in the [operand] operator."

[MAPS 6.4.0 - 12/12/2019 - SSO Enhancements, Accessibility, Database Updates](#)

Enhancements:

- Numerous accessibility improvements.
- CAS configuration option to allow automatic logout from the SSO session.
- Support for AD FS authentication in SAML.
- ScheduleTask and ScheduleTaskProperty tables now include child tasks of bursting tasks.

[MAPS 6.3.1 - 09/30/2019 - Resolve SAML Assertion and Upgrade Issues](#)

Resolved Issues:

- SAML authentication failed if the "FriendlyName" attribute was not included in the assertion.
- When upgrading the MAPS service, the upgrade process would fail if users were attempting to connect to MAPS during the update.

[MAPS 6.3 - 08/29/19 - SAML Single Sign-On, MAPS CAS Groups](#)

Enhancements:

- Improved single sign-on support including adding support for SAML 2.0 authentication.
- Added support for MAPS group membership within CAS.
- Added support for Windows Server 2019.

[MAPS 6.2.1 - 07/01/19 - Resolve Deadlock and Connection Problems in 6.2](#)

Resolved Issues:

- Clients on clustered installations were unable to reconnect to MAPS after the 6.2 upgrade.
- A database deadlock condition sometimes caused applications to hang after upgrading to 6.2.

[MAPS 6.2 - 05/23/19 - Salesforce Connector, Custom User Fields](#)

Enhancements:

- Created a new Salesforce Connector option for creating data connections to Salesforce environments.
- Added three custom fields that can be configured as needed for MAPS and LDAP users.
- Added support for TLS versions 1.1 and 1.2 for email and FTPS servers.
- Added support for the CAS 3.0 protocol (CAS service version 5.4).

[MAPS 6.1.1 - 12/18/18 - Server Clustering, BANPROXY Support](#)

Enhancements:

- 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.

[MAPS 6.1 - 09/27/18 - LDAP Nested Group Lookup, CAS Group Improvements](#)

Enhancements:

- Added an option to control storing of LDAP users' passwords when they create schedules in Argos. If this option is disabled, a system-level default user can be used to run schedules instead.
- When using HTTPS, all MAPS resources now also load over HTTPS.
- The Cloud Connector now supports paginated APIs that pass data through using multiple calls.
- The Windows client applications can now be launched using the keyboard.

Resolved Issues:

- When an LDAP server was set to use nested group lookup implemented by the LDAP server, the values in the specified User Groups attribute (e.g. memberOf) were being ignored even if the LDAP server was not configured to use nesting. MAPS now unions the results of the group nesting search with those found using the specified User Groups attribute.
- When configuring authentication through CAS, MAPS was ignoring all <cas:Groups> nodes other than the last one in the list. MAPS now supports any number of groups nodes.

[MAPS 6.0.1 - 06/12/18 - Cloud Connector 32-bit Support; Resolve Issue with Data Refresh](#)

Enhancements

- The Cloud Connector can now be used on 32-bit MAPS servers.

Resolved Issues

- When refreshing data in the Cloud Connector, the fetch operation would sometimes time out and produce a database with empty tables.
- Resolved an issue in Argos where Unicode special characters were not displaying correctly in the bodies of scheduled emails.

[MAPS 6.0 - 05/15/18 - Cloud Connector, Remove Java Launcher](#)

Enhancements:

- Added Windows Server 2016 to the list of supported operating systems.
- Updated the OpenSSL .dll files packaged with MAPS to version 1.0.2l.
- Added support for several new SFTP encryption ciphers.
- Removed legacy support for the Java launcher, which was replaced by the Evisions Application Launcher.
- Data connections now have a Cloud Connector option that can be used to pull data from 3rd-party web applications.

[MAPS 5.4.1 - 10/23/17 - Resolve Email Server Port Issue in 5.4](#)

Resolved Issues:

- Resolved an issue from MAPS 5.4.1 where email servers configured to use TLS with port 25 or 465 were attempting to send traffic using port 587 instead.
- Improved the user interface of the Edit Email dialog to better support bulk updating of multiple emails. Fields that have different values will now display <multiple> and will not update unless a new value is entered into that specific field. This allows MAPS administrators to bulk edit a single field, such as the date to send, without affecting other fields.

[MAPS 5.4 - 07/27/17 - Edit Failed Email Addresses, Custom LDAP User Search Class](#)

Enhancements:

- When an email is stuck in the MAPS queue due to a transmission error, you can now edit an invalid email address so the email can be resent.
- When configuring an LDAP server, you can now edit the default user search class of "objectClass=user" for authentication sources that use different object classes.
- Added search boxes to the Users, LDAP Resource Users, Groups, Data Connections, and Schedules screens to allow you to find items more easily.
- Improved the process for binding the ports used for HTTP, HTTPS, and TCP to reduce issues if the ports are not released in a timely manner after the nightly restart.

Resolved Issues:

- Resolved an issue where the message "Error while removing HTTP client: Unable to acquire a read lock to use the MAPS configuration database" was occasionally appearing in the MAPS log file around the time of the nightly backup, which sometimes required a manual restart of the MAPS service.

[MAPS 5.3.3 - 06/30/17 - Resolve Stability Issues in 5.3](#)

Resolved Issues:

- Resolved several stability issues that were uncovered as a result of changes in version 5.3.
- The error 'Last-chance HTTP exception handler: (EDoesNotExist) Connection "" does not exist' was appearing in the MAPS log as a result of unauthenticated sessions failing to connect.
- If multiple users opened the eLauncher and Argos Web Viewer in their browsers and then allowed their sessions to time out, the MAPS service would sometimes throw an access violation and then hang.

[MAPS 5.3.2 - 06/06/17 - Resolve Read Lock Issue and Browser Session Issue with Shared IP in 5.3](#)

Resolved Issues:

- In MAPS 5.3.0 and 5.3.1, certain network configurations which made it appear to MAPS that different users had the same IP address would sometimes result in users' sessions being either swapped or terminated unexpectedly.
- After upgrading to MAPS service 5.1 or higher, the message "Error while removing HTTP client (client): Unable to acquire a read lock to use the MAPS configuration database." was occasionally appearing in the MAPS log file around the time of the nightly backup. In some cases, this required a manual restart of the MAPS service to resolve.

[MAPS 5.3.1 - 05/09/17 - Resolve AWW Credential Issue in 5.3](#)

Resolved Issues:

- Attempting to load an Argos DataBlock that was using a data connection set to "use connection username and password" with the credentials left blank resulted in the error "We were unable to load your DataBlock. Please contact your Administrator if this problem persists." when accessing it in the Web Viewer, instead of prompting the user for credentials as it should have.

[MAPS 5.3 - 03/28/17 - Edit Argos Schedule Time Ranges in Config](#)

Enhancements:

- When editing Argos schedules, you can now modify the time range during which the schedule is permitted to run.

[MAPS 5.2.2 - 12/12/16 - Resolve Images not Appearing in AWW](#)

Resolved Issues:

- After upgrading to MAPS 5.2.1, dashboard images that were saved in Argos DataBlocks were not appearing in the Web Viewer.

[MAPS 5.2.1 - 12/07/16 - Notifications for Failed Emails](#)

Resolved Issues:

- Added a Notifications feature that can be configured to email designated recipients when there are failed emails stuck in the MAPS email queue.
- Updated the OpenSSL .dll files packaged with MAPS to version 1.0.1u.
- Resolved an issue where upgrading the IntelCheck database using a native Oracle connection improperly removed records from the evibcmac table.

[MAPS 5.2 - 11/09/16 - SFTP Public/Private Keys, Import Users from XML Files](#)

Enhancements:

- Added support for public/private key authentication for SFTP file transfers.
- You can now include user role and group information when importing and exporting users, using a newly-added XML file format.

[MAPS 5.1.2 - 09/29/16 - Update for IntelCheck 3.5.5](#)

Enhancements:

- MAPS 5.1.2 is an update to the MAPS service that is required for some of the changes made in IntelCheck 3.5.5. There are no other changes in this version of the MAPS service.

[MAPS 5.1 - 06/30/16 - Native Oracle and SQL Server Drivers](#)

Enhancements:

- The eLauncher has been redesigned to better reflect the new Evisions brand look and feel and make it easier to navigate.
- Added support for native Oracle and SQL Server drivers as an alternative to ADO connections for these databases. The native drivers may result in improved performance and stability.
- Added support for LDAP group authentication when logging in through CAS.
- Improved the user import function by adding several fields, and added a user export feature.
- Added several fields to the Data Warehouse, including users' start/stop dates and DeleteOnStop property, and the printer name for scheduled print tasks.

[MAPS 5.0.3 - 05/06/16 - Resolve LDAP Resource Access Issue in 5.0.2](#)

Resolved Issues:

- After upgrading to MAPS service version 5.0.2.1245, some LDAP users were unable to see certain ADO connections, email servers, printers, or applications until they logged out and logged back in again. This only affected resources that the user received access to based on their membership in an LDAP group.

[MAPS 5.0.2 - 04/29/16 - Resolve LDAP Permissions Issue in 5.0](#)

Resolved Issues:

- LDAP users were accumulating inappropriate permissions over time as other LDAP users logged in to Argos. This resulted in some users seeing folders and DataBlocks that they did not have permission to view, and also caused some queries to fail due to being run with incorrect User/Group rules.

[MAPS 5.0.1 - 04/15/16 - Resolve Issue with Connection Established Scripts](#)

Resolved Issues:

- For institutions that used a connection script for their ADO connections, the script entered in the "Connection Established" script field was not being decrypted, either in the editor or before running the script. This was causing the connections to fail when users attempted to log in.

[MAPS 5.0 - 04/14/16 - "Run As" User for Argos Schedules](#)

Enhancements:

- MAPS Administrators can now designate a default "Run as" user for schedules, instead of needing to change the user for every schedule that is created.
- Removed Windows Server 2003 from the list of supported operating systems. MAPS and the MAPS applications still work with Windows Server 2003; however, any institutions who are still using this version should be aware that Microsoft's extended support period ended on July 14, 2015 and we may therefore be unable to resolve issues with running MAPS on Server 2003 should they occur in the future.

Resolved Issues:

- Updated the security certificate used by MAPS. The certificate had expired, requiring clients who were using the Java launcher to either replace the certificate or to switch to the Evisions Application Launcher.
- Resolved an issue that would sometimes occur when upgrading a MAPS application or around the time of the nightly backup, resulting in the error "ConfiPipe.Stop() Access violation at address [#####]".

- Resolved an issue where users in a few timezones were receiving an error regarding an invalid local time when attempting to launch Argos.