



Enterprise Reporting Solution

Argos 6.4 Release Guide

Product version 6.4

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What's New in Argos 6.4?

Evisions is pleased to announce the release of Argos version 6.4, which includes the following changes:

Enhancements:

- Added support for inline views in the visual designer.
- Replaced the Tab Order property in the DataBlock Designer with an automatic tab order that follows best practices and matches the standard browser tab order used in the Web Viewer.
- Numerous other enhancements to support accessibility and assistive technology.
- Added scaling options and support for currency formats in charting.

Resolved Issues:

- Fixed a problem that was causing a crash when replacing text in the SQL editor using the Find/Replace feature.
- Fixed a problem that was causing a crash when searching on a DataBlock.
- 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 and Argos Updates

Some of the changes in this release require an update to MAPS as well as to Argos. We recommend upgrading both products to the latest versions concurrently.

Product versions

The latest versions of MAPS and Argos included in this release are:

- Argos mapplet 6.4.0.1904 / Argos client 6.4.0.2285
- MAPS service 6.4.0.2212 / MAPS Config 6.4.0.1164 / eLauncher 6.4.0.7

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**.

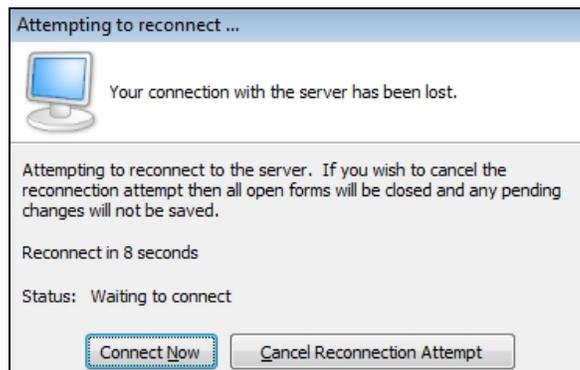
2. Check for updates

Click the **Check for Updates** button in the MAPS Config application 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!

Inline View Subqueries

Inline view subqueries are now supported in the visual designer. This section provides information on using inline views.

Creating the Main Query

The process is essentially the same as for the correlated subquery discussed in the [DataBlock Designer Guide](#).

Create the main query to return all purchase orders with invoice_recd field = "Y".

The SELECT clause:

Visible Fields (SELECT)	Conditional Fields (WHERE)	Ordering (ORDER BY)	
 Distinct			
 Summing			
Table	Purchase_Orders	Purchase_Orders	Purchase_Orders
Field	vendor_ID	PO_ID	invoice_recd
Type	string	string	string
As			
Description			

And the WHERE clause:

Visible Fields (SELECT)	Conditional Fields (WHERE)	Ordering (ORDER BY)
<root>		
	and/or	and
	Table	Purchase_Orders
	Field	invoice_recd
	Condition	= 'y'

Creating the Subquery

Click the **Add Query** button to add the inline view subquery.

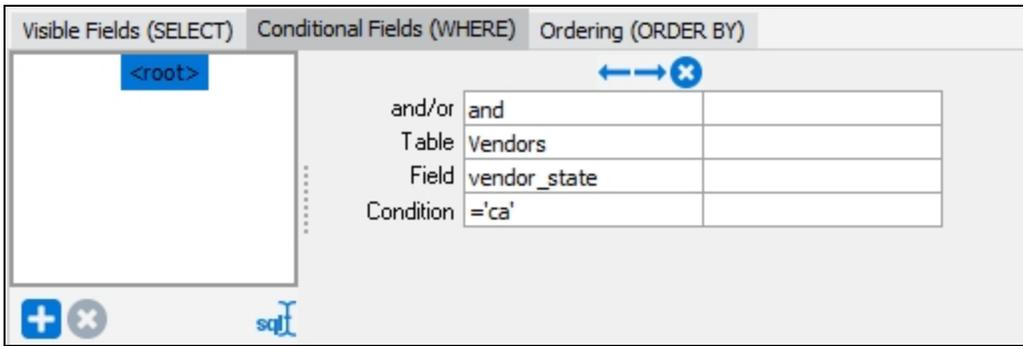
The build subquery editor displays, and allows you to select a table to work with. Use the fields in the table and the tabs at the bottom of the page to build your subquery. For example, you might select a field from a table, and add a condition (the field equals a specific value, for example).

To limit the query to vendors located in California, create the inline view based on the vendor_state field of the Vendors table:

The SELECT clause:

Visible Fields (SELECT)	Conditional Fields (WHERE)	Ordering (ORDER BY)
 Distinct		
 Summing		
Table	Vendors	
Field	vendor_state	
Type	string	
As	VendorState	
Description		

The WHERE clause:



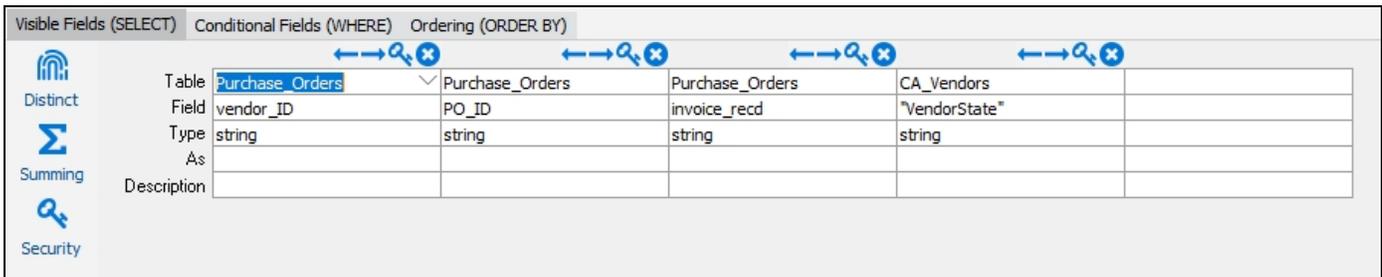
Use the **Rename** button at the bottom of the editor page to give your subquery a user-friendly name, such as "CA_Vendors," so that you can recognize it later.

Select OK to return to editing the main query.

Placing the Subquery in the Main Query

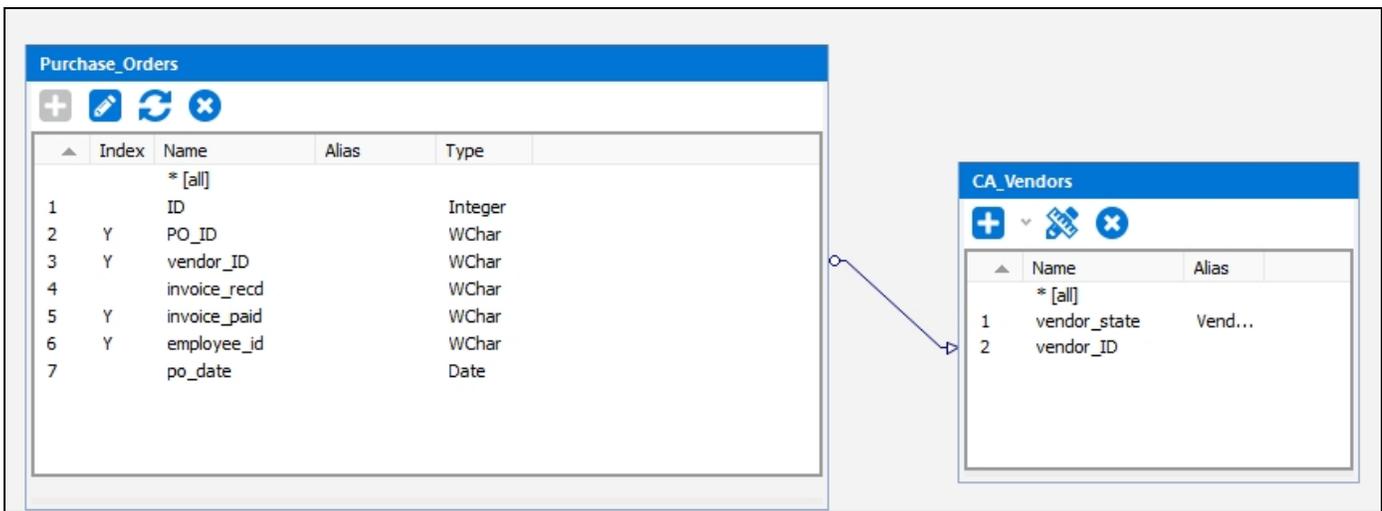
The new subquery displays in the main query editor in a window similar to a table.

Make sure that the Visible Fields (SELECT) tab is active at the bottom of the editor, then double-click a field from your new subquery to add it to the main query as the target for the FROM clause. In this example, add the vendor_state field.



Note that if you are using an Oracle database, you must enclose the field name in quotes. The dropdown for the Field cell provides both options (with and without quotes).

In most cases, you would then join the vendor_ID field from the Purchase_Orders table to the new CA_Vendors table:



This results in the following query:

```
SELECT Purchase_Orders.vendor_ID,
       Purchase_Orders.PO_ID,
       Purchase_Orders.invoice_recd,
       CA_Vendors.VendorState
FROM Purchase_Orders left join ( select Vendors.vendor_state as VendorState,
                                       Vendors.vendor_ID
FROM Vendors
WHERE Vendors.vendor_state ='ca' ) CA_Vendors on Purchase_Orders.vendor_ID = CA_
Vendors.vendor_ID
WHERE Purchase_Orders.invoice_recd ='y'
```

Results

Executing the query yields the results shown below, listing the vendors in California whose invoices have been received.

vendor_ID	PO_ID	invoice_recd	VendorState
ven011	1100	y	CA
ven011	1101	y	CA
ven012	1102	y	CA
ven012	1103	y	CA
ven013	1104	y	CA

5 rows

Tab Order Improvements

In previous versions of Argos, the Tab Order object property controlled the navigation order when using the keyboard to tab through dashboard objects. It was automatically set based on the order that objects were added to the dashboard. This created a lot of work for DataBlock Designers, who had to manually go back and fix the tab order for objects that were added later in development but which needed to have a lower Tab Order due to their actual position on the form.

Argos 6.4 removes the Tab Order property. Instead of needing to manually specify an order, Argos handles it for you. The tab order now matches the standard browser tab order, moving from left to right, top to bottom. This follows W3C best practices as well as provides consistency with the tab order in the Web Viewer.

Important Note

You may need to make some minor modifications to certain DataBlocks (see below) if they were previously configured to rely on a nonstandard tab order.

Controlling the Tab Order

The best way to achieve a tab order that makes sense is to position tabbable form objects (buttons, dropdowns, date and edit fields, list and memo boxes, radio buttons, and checkboxes) in the desired order, and make sure objects are aligned accurately. The tab order is calculated based on each object's upper left corner, so to have it move in a horizontal row each object in that row will need to be aligned vertically.



The screenshot shows a form with four elements arranged horizontally. From left to right: a dropdown menu with the label "State:" above it, a text input field with the label "Last:" above it, another text input field with the label "First:" above it, and a button labeled "Run". All elements are aligned vertically at their top edges.

Initial Focus

The [Initial Focus](#) property of each form specifies the object that should receive focus when the form loads. If not set, the first item in the tab order defaults to the most upper-left object on the form. Only dashboard objects that can receive focus are available to set as the Initial Focus object.

Object Grouping

In some cases you may wish to have the tab order move through a certain group of objects before continuing on. To achieve this, you can add the objects to a panel. The tab order will move through each item on the panel before going to the next object.



Accessibility Resources

For more information on accessibility in Argos, you can refer to the following resources:

- [Argos Accessibility](#)
- [Argos Web Viewer Accessibility](#)
- [Best Practices for Accessible Form Design](#)

We will be including additional accessibility-related enhancements in future releases of Argos. If you have any questions, comments, or feedback on these features or would like to see a specific feature added or prioritized, please [let us know](#).

Argos 6.4 Release Notes

Argos Mapplet 6.4.0.1904 / Argos Client 6.4.0.2285 / Web Viewer 6.4.0.38
MAPS Service 6.4.0.2212 / MAPS Config 6.4.01164 / eLauncher 6.4.0.7

Argos

Enhancements

Area	Description	Issue number
Accessibility	Increased the contrast of the gray icon indicating the number of reports underneath a DataBlock.	AR-4486
Accessibility	Darkened the color of the inactive Explorer/Shortcuts/Recent tabs, and made the active tab bold for improved visibility and contrast.	AR-4487
Accessibility	Increased the contrast of the red text used for broken shortcuts.	AR-4489
Accessibility	Increased the contrast of the "Loading" indicator shown when a DataBlock or report is loading.	AR-4490
Accessibility	The Settings dialog is now keyboard accessible.	AR-5077
Accessibility	Improved keyboard and screen reader accessibility for the OLAP Measure Manager and Dimension Editor dialogs.	AR-5083
Accessibility	Increased the contrast of the green "Password Updated" icon that appears after successfully updating your password.	AR-5117
Accessibility	Improved how changes to the sort order of DataBlocks and reports are communicated to screen reader users by adding appropriate aria-labels and aria-live regions.	AR-5163
Accessibility	Increased the contrast of the column headers on the Select a Saved Execution State dialog.	AR-5305
Accessibility	The Change Password dialog is now keyboard accessible.	AR-5328
Accessibility	The list of DataBlocks is now identified as the primary content region (role="main") to screen readers when no DataBlock is currently open.	AR-5345
Accessibility	Modal dialogs now have appropriate ARIA roles and labels so that they can be correctly interpreted as dialogs by assistive technology.	AR-5346
Accessibility	Increased the contrast of error message text in the Change Password dialog.	AR-5350
Accessibility	All form fields in the Web Viewer are now programmatically associated with their labels so that screen readers can identify their purpose.	AR-5356
Accessibility	Added screenreader-only text to the login dialog header so that assistive technology can understand the purpose of the dialog.	AR-5362
Accessibility	Modal dialog titles now use level-two headings instead of level-three headings, consistent with their role in the application.	AR-5363
Accessibility	Increased the contrast of the message that appears on the login screen after your session has expired.	AR-5365
Accessibility	The breadcrumb trail and main menu now provide much more information about their roles and the purposes of submenu items to screen readers.	AR-5367
Accessibility	Improved how the Language menu is identified to screen readers.	AR-5381
Accessibility	DataBlock Designers no longer need to manually specify the tab order for every object on a dashboard. The tab order will follow the standard order of left to right, top to bottom.	AR-5676
Charting	Standard charts now have an Axis Options tab that allows you to set a maximum value for the chart instead of automatically scaling the chart to fit the data.	AR-2702
Charting	Standard charts now have an Axis Options tab that allows you to apply currency formatting.	AR-5323
Charting	Long series names in standard chart legends are now truncated at 20 characters, matching the behavior of the Argos client.	AR-6108

Area	Description	Issue number
Crosstab Reports	Crosstab property descriptions in the UI have been enhanced.	AR-6039
Dashboards	Added an Initial Focus property to forms which can be used to specify the dashboard object that should receive focus when the form is first loaded.	AR-5814
Searching	The Update Results button on the advanced search dialog was renamed to Apply Filters.	AR-6067
User Interface	Darkened the borders of gray buttons so that they stand out more from the gray background of the dialog footers.	AR-6098
Visual Designer	DataBlock Designers can now create inline views in the Visual Designer.	AR-3066

Resolved Issues

Area	Description	Issue number
Accessibility	Users can now tab to the buttons and fields in the Create Shortcut and Edit Shortcut dialogs.	AR-5022
Accessibility	The Share via Email dialog is now keyboard accessible.	AR-5074
Accessibility	On the Shortcuts screen, the list of shortcuts was incorrectly identified to screen readers as "DataBlock list".	AR-5342
Accessibility	After opening the Recent pane, the list of recent items was incorrectly identified to screen readers as "Folder list".	AR-5343
Accessibility	The character set specified by the Web Viewer was incorrectly set to "UTF8" instead of "UTF-8".	AR-5370
Accessibility	The loading indicator had an invalid role that prevented it from being identified programmatically to assistive technology.	AR-5371
Accessibility	Most buttons used in modal dialogs were implemented as links with no href attribute, preventing their roles from being determined.	AR-5383
Accessibility	The Create Shortcut dialog used a table layout to display information that was not table data, causing issues with some types of assistive technology.	AR-5391
Accessibility	When using a screen reader, the Configuration buttons in the OLAP cube dimension editor did not identify their names or roles.	AR-5398
Accessibility	Find/Replace dialogs throughout Argos were not accessible when using the keyboard to navigate.	AR-5506
Charting	Web Viewer charts with multiple series now print their data point labels on top of all series, making the numbers darker and easier to read.	AR-6137
Crosstab Reports	When the Crosstab Editor was viewed at 125 dpi, some of the list boxes were not being displayed completely.	AR-6040
Dashboards	In Argos Web Viewer version 6.3, dashboard objects located on a panel that was underneath another panel were appearing on top of the second panel.	AR-6186
Explorer Tree	When refreshing the Explorer Tree, the tree did not scroll down to the currently-selected object.	AR-5683
Queries	Attempting to replace text using the Find/Replace functionality in the object SQL editor caused Argos to crash.	AR-6153
Searching	When performing a search on a DataBlock, editing the search string could cause Argos to crash.	AR-5626
Web Viewer	The Web Viewer 3.6.1 CDN release was throwing "Error Code: J0 Script Error" when attempting to run a DataBlock using Internet Explorer 11.	AR-6194

Enhancements

Area	Description	Issue number
Accessibility	The Change Password dialog in the eLauncher is now keyboard and screen reader accessible.	MAPS-1417
Accessibility	Modal dialogs in the eLauncher now have appropriate ARIA roles and labels so that they can be correctly interpreted as dialogs by assistive technology.	MAPS-1420
Accessibility	Added screenreader-only text to the eLauncher login dialog header so that assistive technology can understand the purpose of the dialog.	MAPS-1422
Accessibility	Form fields on the eLauncher login dialog are now programmatically associated with their labels so that screen readers can identify their purpose.	MAPS-1423
Accessibility	Modal dialog titles in the eLauncher now use level-two headings instead of level-three headings, consistent with their role in the application.	MAPS-2360
Data Warehouse	Added an AuditProperty table to the MAPS Auditing database and Data Warehouse. This table stores detailed information about Dashboard.Execute and Report.Execute actions, such as the DataBlock or report path, GUID, Connection_Id, and report type.	MAPS-1484
Data Warehouse	The ScheduleTask table and the ScheduleTaskProperty table now include information for child tasks of bursting tasks.	MAPS-2159
Documentation	Removed Windows Server 2008 (server) and Windows 7 (client) from the list of supported operating systems. MAPS and the MAPS applications still work with these versions; however, any institutions who are still using them should be aware that Microsoft's extended support period is ending in January 2020, and we may therefore be unable to resolve issues relating to these operating system versions should they occur in the future.	MAPS-1940
Product Updater	When applying updates in MAPS, the "Deactivate old versions" option is now checked by default to avoid unintentionally having multiple active product versions.	MAPS-2279
SSO	Added configuration options for CAS servers to allow a logout from MAPS to log the user out and end the CAS SSO session.	MAPS-902
SSO	Added support for AD FS authentication servers for SAML SSO.	MAPS-2357

Resolved Issues

Area	Description	Issue Number
Accessibility	When using a Windows high contrast dark theme and logging in to a product on a server using a self-signed SSL certificate, the notification message about the "untrusted server" was displaying in white text on a white background.	MAPS-2259
Accessibility	Some screen-specific keyboard shortcuts were still functioning even after navigating to a different screen in the MAPS Config.	MAPS-2283

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 [support site](#), which includes a knowledge base of common issues. 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.