



THE POWER TO TRUST

Data360[®] Analyze

Release Notes

3.6.3



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1. Setup requirements

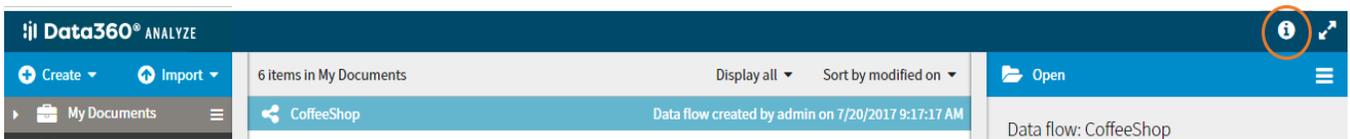
	Server	Desktop
System requirements	<p>The minimum hardware specification for the server product is as follows:</p> <ul style="list-style-type: none">• 8GB RAM base + 1GB for Database + 2GB per core.• Minimum 4 cores for an on-premises server instance. <div data-bbox="423 781 912 1068" style="border: 1px solid #0070C0; padding: 5px;"><p> Note: As the number of users and/or the number of scheduled jobs increases, you should look to increase the number of cores and thus memory.</p></div>	<p>The minimum hardware specification for the desktop product is as follows:</p> <ul style="list-style-type: none">• 8GB RAM.• Intel Core i5 or 4-core equivalent processor minimum (i7 recommended). <p>For desktop installations and installations on Windows Server, you must install the required Visual C++ Redistributable Packages (choose the x64 variant of the .exe file):</p> <ul style="list-style-type: none">• Visual C++ Redistributable Packages for Visual Studio 2008• Visual C++ Redistributable Packages for Visual Studio 2013 <div data-bbox="412 1383 1442 1633" style="border: 1px solid #0070C0; padding: 5px;"><p> Note: The Power R node and the nodes in the Statistical and Predictive Node Pack process data in-memory. Additional RAM will be required when processing data sets with a large volume of data. Similarly, if the R node is used, the machine hosting the R environment must have sufficient available RAM to process the data.</p></div>

	Server	Desktop
Supported platforms	<p>The following operating systems are supported on the Data360 Analyze server product:</p> <ul style="list-style-type: none"> • Windows Server 2019 (Desktop Experience) • Windows Server 2016 64-bit (Server with Desktop Experience) • Windows Server 2012R2 64-bit • RedHat Enterprise 6.X 64-bit • RedHat Enterprise 7.X 64-bit • SUSE Linux Enterprise Server 12 SP3 <p>The following browsers are supported on both server and desktop:</p> <ul style="list-style-type: none"> • Chrome • Microsoft Edge - new Chromium-based version 	<p>The following operating systems are supported on the Data360 Analyze single-user desktop product:</p> <ul style="list-style-type: none"> • Windows 10 64-bit
App server databases	Postgres	H2
Authentication servers (server only)	<ul style="list-style-type: none"> • Active Directory • OpenLDAP 	N/A
Authentication protocols (server only)	<ul style="list-style-type: none"> • LDAP • LDAPs 	N/A
App servers	Tomcat 9.0.34	

2. Latest release - 3.6.3

This document provides release information for all releases of Data360 Analyze from version 3.6.0 onwards. If you require release information for an older version of Data360 Analyze, please contact us at support.infogix.com.

For information on installing Data360 Analyze, please see the installation guide. Once you are up and running, you can access the integrated product help by clicking the Help icon in the corner of the screen:



The availability of the following new features, enhancements and corrected issues is dependent on the installed edition of the product and licensed features.

2.1 What's new

User interface enhancements

Pop-out code editor

Nodes with code type properties now have the option to edit the code in a pop-out window. For example, on the **ConfigureFields** property of the **Transform** node and on the **SqlQuery** property of the **JDBC Query** node.

The pop-out editor can be moved independently of the browser window which can be useful if you need to edit large sets of code, giving you the option to work on a separate monitor.

Node connection highlighting

Node connections are now highlighted when you hover over pins.

Nodes

S3 nodes cross-account support

The S3 nodes now support cross-account access through Instance Profiles.

Two new properties, **RoleARN** and **RoleSessionName**, have been added to the S3 nodes to enable you to configure cross-account authentication for scenarios where your Data360 Analyze instance is running in a different AWS account to your S3 bucket.

For more information, see the "S3 Get", "S3 List", "S3 Delete" and "S3 Put" node help topics.

S3 Get node

Two new properties, **RangeStart** and **RangeEnd**, have been added to the **S3 Get** node to give you the option to download a subset of a file.

For more information, see the "S3 Get" node help topic.

AzureBlob Get node

Similar to the **S3 Get** node, the **RangeStart** and **RangeEnd** properties have also been added to the **AzureBlob Get** node to give you the option to download a subset of a file.

For more information, see the "AzureBlob Get" node help topic.

Data360 Update for Salesforce node

The **Data360 Update for Salesforce** node has been enhanced to process data in batches using the Salesforce Bulk API 2.0. Previously, this node performed updates on a record by record basis.



Note: You must have version 41.0 or later of the Salesforce API to use this node.

For more information, see the "Data360 Update for Salesforce" node help topic.

Download node logs

You are now able to download node data along with node log information when troubleshooting errors.



On the server edition of the product, administrators can control whether all users have the ability to download node logs and data, or whether this functionality is reserved for admin-only use. This option also controls whether non-admin users can export data to CSV from the data viewer, and whether they have the option to download a file from the server.

On the desktop edition of the product, all users can download node logs and data, and can export data to CSV.

For more information, see "Managing privacy and security settings" in the server product help.

Server enhancements

Reviewer user role

To allow administrators to have more granular control over permissions, a new "Reviewer" user role has been added to the server edition of the product. This role is similar to the "Explorer" role except that a user who only has this role cannot access the data viewer when viewing a data flow.

For more information, see the "Managing users" topic in the server help.

Manage temporary run data

On the server edition of the product, a new setting has been added to enable administrators to remove temporary data associated with interactive runs. Interactive runs are created by a user when they run or re-run nodes as they build and test their data flows. This does not apply to runs created by schedules or by the **Execute Data Flow** node.

For more information, see the "Managing temporary run data" topic in the server help.

Application loading and log in

When you first launch the application and navigate to it in a browser, you will see a loading page while the application starts. The login page will only appear once the system is ready.

Installation and upgrade

During installation, you can now choose where to store temporary execution data. This is temporary data that is created when nodes run and can become very large over time, therefore you should choose a location with sufficient space. Choosing a location outside of the default folder can be particularly useful if you later upgrade the product to avoid disk space issues, because the upgrade process creates a backup which includes the default location of the temporary execution data.

Additionally, the upgrade process has been improved to require less memory. For more information, see the Server and Desktop Installation Guides.

Audit log

The following new audit events have been added to the audit log:

- `dataflowProcessing` is logged when a scheduled data flow begins to execute.
- `dataflowProcessed` is logged when the execution of a scheduled data flow is complete.

Additionally, the `nodeProcessed` event now includes the start time, execution duration and the number of records generated on each pin.

For more information, see the "Audit logging" help topic.

Database drivers

A number of third-party libraries have been updated to benefit from the latest security updates. The following database drivers which are provided with Data360 Analyze have been upgraded:

- The MariaDB driver has been upgraded to `mariadb-java-client-2.6.0.jar`.
- The Snowflake driver has been upgraded to `snowflake-jdbc-3.12.6.jar`.

Net Present Value sample data flow

A new "Example Net Present Value Node" sample data flow is now shipped with the product. For more information, see the "Net Present Value" node help topic.

2.2 Corrected issues

Issue summary	Issue number
Fixed an issue that caused the values in the Data360 Failed Schedule Email Notification data flow to be deleted on upgrade.	LAE-24144

Issue summary	Issue number
Fixed an issue that prevented the Create New User dialog from closing after a user had been created.	LAE-24123
Fixed an issue where in certain cases the Exit and Continue button was not displayed when viewing the data flow for a failed scheduled run.	LAE-24117
Fixed an issue that prevented the Save Data Flow dialog from closing after saving then quickly clicking the Exit to Directory button.	LAE-24109
Fixed an issue which prevented property group and property name edits from being saved.	LAE-24049
Fixed an issue that prevented you from creating a data flow if there was no Email Notification Data Flow specified in the Settings > Scheduling section of the Directory.	LAE-24033
Fixed an error that was encountered when nodes which were not run in container contained field names with an equals sign (=) if the field with the = sign was not the last field in the metadata.	LAE-23972
Fixed an issue that prevented the Execute Data Flow node from outputting error records to the errors output pin.	LAE-23965
Fixed an issue that caused the "On Failure" data flow to be erroneously overwritten when editing a schedule.	LAE-23938
Fixed an issue that prevented you from selecting a Color when configuring a library node.	LAE-23931
Fixed an issue that prevented the Apply Auto-Fixes button from being displayed in the Apply Auto-Fixes dialog.	LAE-23873
Fixed an issue that caused poor performance when dragging nodes on the Designer canvas.	LAE-23871
Fixed an issue that caused the Sort node to report an "IllegalStateException" error when it ran out of memory rather than reporting an out of memory error.	LAE-23869

Issue summary	Issue number
Fixed an issue on the Merge , Lookup and Join nodes where the ConfigureFields > Field List property was incorrectly excluding fields from the list if they did not match the specified case. This property is case insensitive.	LAE-23867
Fixed an issue where if a user was inadvertently created with spaces at the end of the username, the user could not login without adding the unseen spaces. The application now removes trailing white spaces from usernames when they are created.	LAE-23863
Fixed an issue that prevented the Category , Color , Icon and Documentation fields from being displayed on the library node designer for composite nodes.	LAE-23807
Fixed an issue that prevented the time from being displayed in the 24hr format in the details panel of the Schedules page.	LAE-23742
Fixed an issue that prevented the Filter node from working correctly when a field value included quotation marks.	LAE-23642
Fixed an issue where users who did not have permission to access a data flow were able to click Run Now on a corresponding schedule, causing the application to hang.	LAE-23512
Fixed an issue where if a user attempted to re-run a failed schedule while another run was in progress, the run would not be started but the link to the run details was deleted and no indication was given that the run was not started.	LAE-24121
Fixed an issue that could cause a deadlock when opening and editing a data flow that was already opened for edit by another user.	LAE-23936
Fixed an issue that prevented run property values from a run property set from working correctly if they were changed from password to string type.	LAE-24122
Fixed an issue that prevented you from filtering columns in the data viewer when the column name had a space.	LAE-24272

3. New in 3.6.2

3.1 What's new

Execute Data Flow node

The new **Execute Data Flow** node allows you to execute other data flows from within a data flow.

In the Directory, the details panel now includes path information for a selected document, allowing you to copy the path for use elsewhere in the application. This can be useful when working with the **Execute Data Flow** node, particularly if you want to reference more than one data flow to run.

For more information, see the "Execute Data Flow" node help topic.

Download node logs

If a node fails to run successfully, you can now easily view and download node log information and data for further investigation, which can be useful if you need to speak to support about any errors that you are encountering.

For more information, see the "Troubleshooting errors" topic in the help.

Create a backup on demand

It is now possible to create a system backup at any time from the **Settings** page in the Directory.

On the server edition of the product, this functionality is only available to administrators.

For more information, see the "Creating and configuring backups" topic in the help.

Data360 Update for Salesforce node

The **Data360 Update for Salesforce** node has a new property "StopAtFirstFailure" which, when set to `False` allows the node to process all records, and fail at the end if it encountered any errors.

For more information, see the "Data360 Update for Salesforce" node help topic.

Other changes

- The version of Tomcat that is used by the application has been upgraded to 9.0.34.
- Node debug information and background errors are displayed in the **Errors** panel when the information relates to a specific node and when the **Others** option is selected. This option was previously named "Background".

RedHat Enterprise Linux 6.X support

The 3.6.X Long Term Support release track will be the last that will support RedHat Enterprise Linux 6.X 64-bit. In future releases, only RedHat Enterprise Linux 7.X 64-bit, or later, will be supported.

3.2 Corrected issues

Issue summary	Issue number
Fixed an issue on the Aggregate node that prevented changes to the advanced script on the Operations property from being saved correctly.	LAE-23704
Fixed an issue that prevented the Merge , Lookup and Join nodes from working correctly after editing the advanced script.	LAE-23699
Fixed an issue that prevented you from opening a scheduled run while it was in progress.	LAE-23697
Fixed an error that was encountered when selecting the Advanced tab on the Sort , Sort (Superseded) , Lookup , Merge and Join nodes.	LAE-23695
Fixed an issue that caused an "object not found" error when deleting or moving nodes on the canvas.	LAE-23563
Fixed an issue that caused an "object not found" error when exiting to the Directory from the Designer.	LAE-22883
Addressed an issue that caused the JDBC Query node to output data as a long instead of a double when performing some numeric calculations in Oracle.	LAE-22470

Issue summary	Issue number
Fixed a permissions issue where data flow property editing was not disabled for Explorer users. If an Explorer user edited a data flow property, this caused an error.	LAE-10633
Fixed an issue that prevented you from editing run properties in a data flow after upgrading from 3.4.3 to 3.6.1, or from 3.4.3 to 3.6.0 to 3.6.1.	LAE-23745
Fixed an issue where users who did not have permission to access a data flow were able to click Run Now on a corresponding schedule, causing the application to freeze.	LAE-23512
Fixed an issue that prevented users from signing in if their username contained a space.	LAE-23826
Fixed an issue that prevented data viewer filtering from working correctly when performing a Contains filter with a value that included a space.	LAE-23796
Fixed a performance issue on the JDBC Query node which was seen when querying an Oracle database.	LAE-23775
Fixed an issue where the time in the details panel of a schedule was not displayed in the 24hr format as it is in the documents list in the Directory.	LAE-23742
Fixed an issue that caused the Data360 Update for Salesforce node to output the wrong information in the Method and Status fields on the Errors output pin.	LAE-23722
Fixed an issue that prevented clock connections from being displayed in the correct position.	LAE-23492
Fixed "import LNA" and "upload file" issues which were seen when the environment had been setup to communicate over HTTPS.	LAE-23689
Fixed an issue that incorrectly caused null values in passed through records when passing through fields from the first input on the Data360 Update for Salesforce node.	LAE-23825

Issue summary	Issue number
Fixed an issue that caused the Data360 Update for Salesforce node to incorrectly write failed DELETE operations to both the error and the success output pins.	LAE-23824
Fixed an issue that prevented all relevant error information from being displayed in the Errors panel.	LAE-23685
Fixed an issue that prevented the Google Cloud Storage Get node from working correctly when a filename contained a space.	LAE-23872
The JSON Data node has been enhanced to handle cases when a given field in the JSON appears both within an array, and as a scalar value.	LAE-23830
Fixed an issue that caused the DB Query node to fail in some cases when working with Oracle Rdb.	LAE-23802
Fixed an issue that prevented properties from being displayed in the Properties panel for Explorer users.	LAE-23861
Fixed an issue that prevented users from receiving emails from the Send Email node when their email address was only added to the CcAddress property.	LAE-23738
Fixed an issue that caused poor performance when dragging nodes on the Designer canvas.	LAE-23871

4. New in 3.6.1

4.1 What's new

Join node

The **JoinType** property has been deprecated and replaced by a new **JoinMode** property which provides similar functionality. The **JoinType** property will still work if it is set on existing nodes, but it is recommended that you use the **JoinMode** property going forward.

The new **JoinMode** property has an additional **All Orphans** option which joins all right and left records which do not match.

For more information, see the "Join" node help topic and the "Joining data" tutorial topic in the help.

Database Metadata node

A new **ExcludedCatalogs** property has been added to the **Database Metadata** node to allow you to filter using a list of excluded catalogs.

For more information, see the "Database Metadata" node help topic.

Viewing runs

When clicking a link to view a run, you are now taken to the **Run Details** dialog. If a schedule contains a follow-up data flow, you can choose to view either the initial data flow, or the data flow that is run on failure or on success of a preceding data flow.

Performance improvement

Improved the performance when multiple users are working with the application at the same time.

Restoring from a backup

A new section has been added to the server and desktop installation guides to clarify the process of restoring from a backup.

Other changes

- When exporting a data flow with dependencies, this will now include any run property sets that have been defined on the data flow. However, the export will not include any referenced run property sets (where one run property set inherits from another run property set). If you are exporting and importing into a different system, where the referenced run property set does not exist, you will need to recreate the parent run property set and update the data flow to use it.
- It is recommended that you do not place any JAR files in the `<site directory>/lib/java/ext` folder as this will not be supported in a future release. Please see the help topic "Acquiring data from a database" for information on installing additional JAR files that are not shipped with the product.

4.2 Corrected issues

Issue summary	Issue number
Fixed an issue that prevented input pins on an empty composite from showing the correct state after a data flow was saved.	LAE-21788
Fixed an issue that caused the canvas to pan when clicking and dragging to select a property value.	LAE-23521
Fixed an issue that caused additional items to be dragged on the canvas when working in a composite and dragging either the input or output pin, or a node.	LAE-22002
Improved the cleanup of execution artifacts in the database to slow database size growth.	LAE-23509
Fixed an issue that caused schedules to be disabled without notification after they were moved.	LAE-23470
Fixed an issue that caused the Delete Schedule Run? dialog to show the run name as "undefined".	LAE-23422
Fixed an issue that prevented the data flow name from being displayed for skipped runs in the Run Details dialog.	LAE-23387
Fixed an issue that prevented nodes from running when they had been previously run and then disabled.	LAE-22586

Issue summary	Issue number
Improved the error message that is displayed when a file with a .BRG extension is imported, but which is not a true .BRG file.	LAE-21445
Fixed an issue that caused a unique value constraint to be reported during upgrade when updating run properties.	LAE-23533
Fixed an issue that prevented the correct run state from being displayed on nodes that had been copied and pasted.	LAE-23466
Fixed an issue that caused "on failure" follow-up data flows to be incorrectly displayed on the details panel of a schedule when the Send Email option had been selected.	LAE-23399
Fixed an issue that caused "objectNotMarkedForEdit" errors to occur.	LAE-22525
Fixed an issue that caused the loading icon to spin indefinitely when converting a node to a library node.	LAE-23561
Fixed an issue that prevented the Python scripting nodes from following the correct Python code style guidelines, including four space indentation and converting tabs to spaces when indenting.	LAE-23558

5. New in 3.6.0

5.1 What's new

Run property sets

You can now create run property sets to group together a number of run properties which you can then reference across different data flows in your system. For example, you may want to create a set of run properties for a test environment, and another set of run properties for a production environment. By creating different run property sets with different properties and values, you can compare different versions of one data flow, either by running the data flow manually or via a schedule.

Additionally, when working in the Designer, you can save a default run property set with the open data flow so that the run properties and values can be shared with other users.

For more information, see the "Run property sets" topic in the help.

Scheduling follow-up runs

When configuring a schedule, you can chain a subsequent data flow to run based on whether the preceding data flow has succeeded or failed. Alternatively, if a scheduled data flow fails, you can configure the system to send an email to alert users of the failed run.

Scheduling follow-up data flows can be a useful way to automate your workflow. For example, you can automate the execution of a data flow to clean up a file system after a failed run, or you can automate the execution of a data flow to carry out a set of secondary tasks after a successful run.

A new **Data360 Services** folder has been added to the Directory and contains the default data flow that is used to send emails when a run of a scheduled data flow fails.

For more information, see the "Scheduling follow-up runs" topic in the help.

Annotating your data flow

You can add text boxes to annotate your data flow to provide other users with a greater understanding of the tasks that are being performed. You can assign different colors to the text boxes to help visually organize the canvas.



Note: It is not possible to create or edit boxes with Internet Explorer. Note that Internet Explorer is no longer a supported browser from this release.

For more information, see the "Annotating your data flow" topic in the help.

Comparing data sets side by side

When inspecting data in the data viewer, you now have the option to view a data set in a pop-out window which you can move around the screen independently of the browser window. This allows you to compare two or more data sets side by side. For example, you might want to compare the input to a node with the output. Or, you might want to compare the output of a node after an initial run, then reconfigure the node with different property values to generate a second data set for comparison.

For more information, see the "Inspecting data" topic in the help.

Aligning nodes

To help you to organize your nodes on the canvas, when placing and connecting nodes you can now choose to align multiple nodes vertically or horizontally.

For more information, see the "Selecting and moving nodes" topic in the help.

Configuring and viewing properties

The **Properties** panel now contains three separate tabs to allow you to access data flow and run properties at any level of the data flow:

- The **Properties** tab displays node properties (**Ctrl + 5**).
- The **Data Flow** tab displays data flow properties (**Ctrl + 6**).
- The **Run** tab displays run properties and run property sets (**Ctrl + 7**).

Nodes

Output CSV/Delimited node

The **Output CSV/Delimited** node is no longer experimental and has superseded the **Output Delimited** node.



A number of sample data flows that previously contained the **Output Delimited** node have been updated to use the new **Output CSV/Delimited** node.

For more information, see the "Output CSV/Delimited" node help topic.

Database Metadata node

The **Database Metadata** node is no longer experimental.

For more information, see the "Database Metadata" node help topic.

DeepSQL node

The **DeepSQL** node is no longer experimental, and a **PassThroughFields** property has been added to allow you to configure which input fields "pass through" the node unchanged from the input to the output.

For more information, see the "DeepSQL" node help topic.

S3 nodes

The S3 nodes now support a HTTP proxy.

For more information, see the "S3 Get", "S3 List", "S3 Delete" and "S3 Put" node help topics.

REST API

The Simple Scheduled Tasks Ad-hoc Run API (`/api/v4/simple-scheduled-tasks/run-now`) has been enhanced to return the execution-plan-state locator when the request is posted. You can use the execution-plan-state locator to query the status of the run using the `/apiv3/execution-plan-states` API.

For more information, see the "API developer documentation" topic in the server help.

Performance improvements

- Minor performance improvements have been made to improve the responsiveness when executing nodes and data flows. In particular, the improvements can be seen in large data flows when a significant number of nodes are selected to run.
- The performance of the **Apply Auto-Fixes** functionality has been greatly improved.

Other changes

Supported platforms

- New versions of the Desktop product will no longer be tested on Windows 7.
- Internet Explorer is no longer a supported browser.
- Microsoft Edge (new Chromium-based version) is now supported.

Backup settings

The default backup time has been changed on the Desktop version to 12 PM, rather than 2 AM. The default backup time on the server product remains at 2 AM.

Additionally, a new setting has been added allowing you to set the error threshold for backups.

For more information, see the "Editing backup settings" topic in the help.

Migrating from LAE

In LAE, if you entered a BRAINscript function that was not recognized, but it was recognized by Expert, then it would still work. This behavior has been restored in Data360 Analyze, however the node will report a warning about the unrecognized function.

For more information, see the "BRAINscript changes" topic in the help.

CSV/Delimited nodes

The **MySQL** option has been removed from the **Format** property of the **CSV/Delimited Input** and **Output CSV/Delimited** nodes.

Audit log

The audit log now contains information about which system processes are used to run nodes.

Server silent installation

Silent installation is now supported on server editions of the product.

Administrators can run a silent (unattended) installation to silently install, upgrade or uninstall Data360 Analyze Server on user machines, applying predefined settings, without the need for user interaction.

For more information, see the Data360 Analyze Server Installation Guide.

General updates

- A number of third-party libraries have been updated to benefit from the latest security updates.
- Error messages have been improved to include more information and to suggest applying auto-fixes where appropriate.
- Upgraded Tomcat to 9.0.31 to address the security vulnerability CVE-2020-1938.

5.2 Corrected issues

Issue summary	Issue number
Fixed an issue that caused the Summary section to be incorrectly displayed in the Properties panel at the top level of a data flow or library node.	LAE-23294
Fixed an issue that in some cases caused the system to become deadlocked, usually when save operations were being performed at the same time as resolution operations.	LAE-23239 LAE-23238
Fixed an issue that prevented the loading spinner from being displayed in the title bar when updating inputs or outputs from the Properties panel.	LAE-23201
Fixed an issue that prevented the data flow search functionality from working correctly after performing the following actions on a node: delete, undo, redo, undo delete.	LAE-23200
Fixed an issue that caused an error message to be displayed after making an edit and then quickly navigating into or out of a composite node. In some cases the edits would not be saved.	LAE-23198
Fixed an issue where encrypted run property values were not decrypted when used in schedules.	LAE-23193
Fixed an issue that caused run properties to be cleared after navigating into or out of a composite node.	LAE-23144

Issue summary	Issue number
Fixed an issue where it was possible to edit a folder name in the Directory by pressing the Shift key.	LAE-23059
Fixed an issue that prevented you from changing the interval type on a schedule.	LAE-23034
Fixed an issue that prevented some drop-down menus from resizing correctly to fit the width of the contents.	LAE-23023
Fixed an issue that prevented you from importing an LNA with missing dependent library nodes when the dependencies were also not on the system being imported to.	LAE-22948
Fixed an issue that caused property values to be deleted when editing properties on the Advanced tab of the Lookup, Merge and Join nodes.	LAE-22942
Fixed an issue that prevented the Discard and Apply Changes buttons from being displayed on the screen in the details panel of the Directory on the Settings page.	LAE-22939
Fixed an issue that prevented you from adding a pattern on a custom output pin of the Lookup node.	LAE-22886
Fixed a permissions issue that prevented you from creating a new data flow when your library path contained an inaccessible folder.	LAE-22464
Fixed an issue that prevented unused library paths from being deleted.	LAE-22003
Fixed an issue that prevented you from editing a data flow while a schedule for that data flow was running.	LAE-21783
Fixed an issue that caused the Fixed File Format node to fail if an empty line existed in the data.	LAE-21430
Fixed an issue that prevented connection lines from updating correctly.	LAE-23135
Fixed an issue that in some cases prevented you from importing legacy .BRG files.	LAE-22995

6. Known issues and limitations

We would like to make you aware of the following list of issues and limitations.

If you encounter any other technical issues, please get in touch with us by visiting the [forum](#). If your query has not been discussed previously in the forums, you can create a new topic and receive answers from our Data360 Analyze experts.

6.1 Third parties

The following table lists third party known issues and limitations:

Feature	Description
Apache	<p>The Spark SQL Query node has highlighted some Apache issues in the following scenarios:</p> <ul style="list-style-type: none">• Selecting a field with binary type fails with the exception "UnresolvedUnionException: Not in union [\"bytes\", \"null\"]". This is already raised on Apache JIRA: https://issues.apache.org/jira/browse/AVRO-1401• Describe operation returns 3 fields (col_name, col_type, comment) however the comment field is handled as not "nullable" but returns a NULL value. <p>The Spark SQL Query node processes against Hive tables. When Hive tables are processed by the cluster, the minimum memory requirement is higher compared to the memory required to run other Spark nodes that do not access Hive. The DriverMemory and ExecutorMemory both have a minimum 5G threshold. We recommend that you increase this for larger environments.</p>
Avro	<p>The Avro 1.7.7 specification lists some supported metadata constraints. Specifically, it places restrictions on the names of fields, as follows:</p> <ul style="list-style-type: none">• The field names must start with [A-Za-z_]• The field names must only contain [A-Za-z0-9_] <p>Avro 1.7.7 does not support date, time and datetime data types. As a result, if you want to upload data and use the Data360 Analyze nodes, these fields will need to be converted to string data types.</p>

Feature	Description
Hadoop Hive Cluster	<p>When downloading files from the Hadoop Hive Cluster, the WebHDFS API automatically encodes files to base64 format. As a result, it is not always possible to view the contents of the download in the fields on the output.</p> <p>For example, if the DataOutputMode property is set to Field, due to the automatic base64 encoding, the encoded result will be visible instead of the contents.</p> <p>To view the contents, set the DataOutputFieldEncoding property to None. However, this is not always possible due to invalid characters in the original file; in this case, the workaround is to set the DataOutputMode to File and then import the data using one of the input connector nodes.</p>

6.2 Web application

The following table lists Data360 Analyze known issues and limitations:

Feature	Description
Data viewer	<p>A sample of up to the first 1000 records of node data can be displayed in the data viewer.</p> <p>The data viewer only shows the first line of multi-line values. You can hover over the cell to show the full multi-line value in a tooltip. Selected records can also be copied from the data viewer to another application (e.g. Notepad).</p>
Composite library nodes created in previous versions	<p>When importing or running a data flow that was created in an older version of the product, you may see error messages if the data flow contains composite library nodes that have been upgraded since the data flow was first created. If the data flow did not previously show these errors, you can resolve the issues as follows:</p> <ol style="list-style-type: none"> 1. Open the data flow and select all nodes. 2. Choose Apply Auto-Fixes. 3. Save the data flow, then return to the Directory before reopening the data flow.



Feature	Description
Links from tooltips to help	Although it is not currently possible to open the integrated help from the links in node property tooltips, you can manually navigate to the help by pressing F1 then searching for the relevant topic.
Logistic Regression node	The Logistic Regression node does not support Unicode for categorical data.

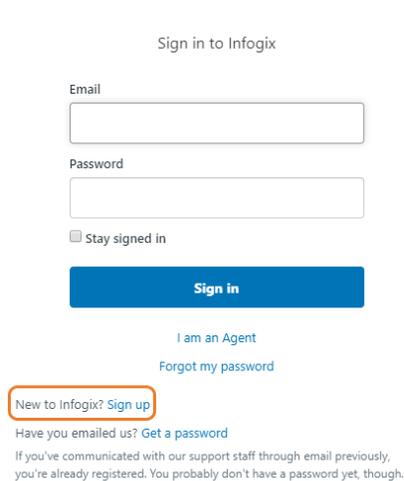
7. Contact us

If you encounter any technical issues, we recommend that you visit the support portal at support.infogix.com.

If your query has not been discussed previously, you can create a new topic and receive answers from our product experts.

Alternatively, you can log a support ticket:

1. Select **Sign in** from the top right corner of the screen.
2. If you have already registered, enter your **Email** and **Password**, then click the **Sign in** button.
Or, if you are not a registered support portal user, click **Sign up**:



The screenshot shows a sign-in form titled "Sign in to Infogix" with a close button (X) in the top right corner. The form contains the following elements:

- An "Email" input field.
- A "Password" input field.
- A checkbox labeled "Stay signed in".
- A blue "Sign in" button.
- Links for "I am an Agent" and "Forgot my password".
- A "New to Infogix? Sign up" link, which is highlighted with an orange box.
- Text below the sign-up link: "Have you emailed us? [Get a password](#)" and "If you've communicated with our support staff through email previously, you're already registered. You probably don't have a password yet, though."

3. Once you have registered and signed in, select **Submit a request** from the top right corner of the screen.
4. Complete all fields, then click **Submit** at the bottom of the screen.

Download

Infogix recommends that you use the latest version of the product. To download Data360 Analyze, please go to <https://www.infogix.com/data3sixty/analyze/analyze-download/>.

Our product is constantly evolving and input from you is highly valued. If you have any suggestions, please contact the product team by submitting a feature request on the [Community](#).

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