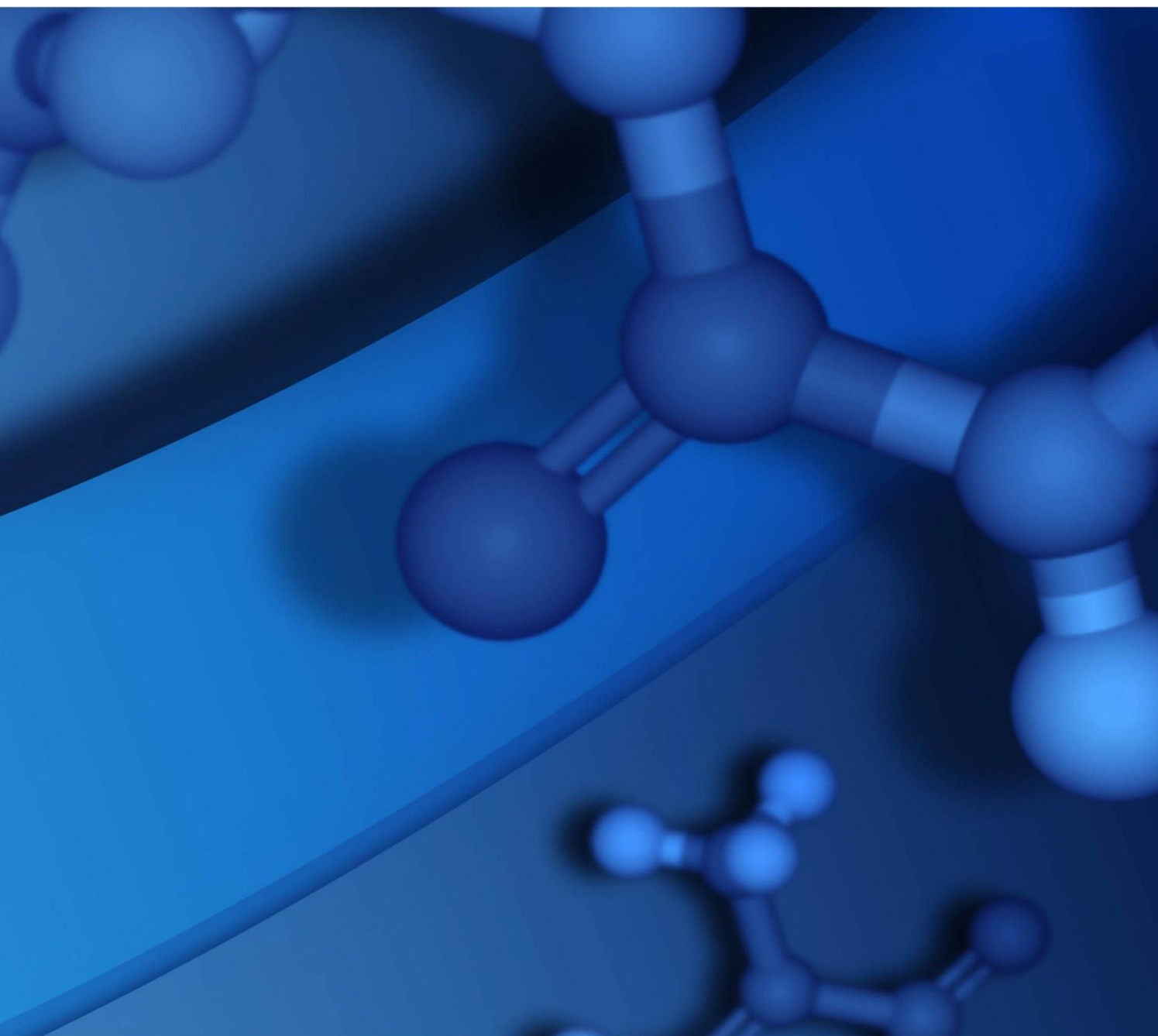


## PRODUCT RELEASE DOCUMENT

BIOVIA Insight

2021

Minor



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## **Third Party Notification**

Your BIOVIA Insight 2021 installation contains third-party software components. For details, refer to the BIOVIA Program Directory at <https://media.3ds.com/support/progdir/>.

## **Acknowledgments and References**

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# Customer Release Details

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Release of BIOVIA Insight 2021

Release Type: Minor

14 Oct 2020

## Key Technical Points

- For supported versions of BIOVIA Foundation and BIOVIA Pipeline Pilot, refer to the *BIOVIA Insight 2021 System Requirements*.
- Before upgrading from an earlier version of Insight, refer to the *BIOVIA Insight 2021 Installation Guide* and to the Upgrade Paths section below.
- BIOVIA content database IDS files and Query or Browse forms have now been updated to include database names and version information, SMILES, and InChI keys. The new forms are supported with Insight 2017 and later versions. For more information, see Technical Note T27-2019 at [www.3ds.com/support/news/](http://www.3ds.com/support/news/). Search by keyword T27-2019 or download the document (T27-2019\_Insight\_IDS\_Forms\_Instructions.pdf) and zip file (DB\_Insight\_IDS\_Forms.zip) from the Dassault Systèmes Download Platform.

## Support Dates

For information regarding currently supported releases and the dates on which mainstream support ends, see <https://www.3ds.com/support/policies-offers/lifecycle-policy/>

For complete details about support policies, see <https://www.3ds.com/support/policies-offers/>.

## Getting Help

If you have questions, visit Dassault Systèmes Customer Support at <https://www.3ds.com/support> and click either **Call us** or **Submit a request**.

# System Requirements and Installation

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## System Requirements

The system requirements for BIOVIA Insight are identified in the document *BIOVIA Insight System Requirements*. This document is included in the BIOVIA Insight documentation zip file.

## Other BIOVIA Applications

If you are installing other BIOVIA applications, install the following applications before you install BIOVIA Insight:

- BIOVIA Foundation
- BIOVIA Pipeline Pilot

## Upgrade Paths

The following table identifies interim upgrades that *must* be installed before upgrading to 2021.

Installed Version	Required Interim Upgrade
2020	none
2019, 2019 SP1	2020
2018, 2018 SP1, 2018 SP2	2019 → 2020
2017 R2, 2017 R2 HF1, 2017 R2 HF2, 2017 R2 SP1, 2017 R2 SP1 HF1	2018 → 2019 → 2020
2017	2017 R2 → 2018 → 2019 → 2020

## Installation

The installation instructions for Insight are provided in the *BIOVIA Insight Installation Guide*. This guide is included in the Insight 2020 Documentation zip file, along with the *BIOVIA Insight System Requirements*. For both PDF and web versions of this documentation, you can also visit the Insight Help Center:

<http://help.biovialonline.com/insight/2021/insight.htm>

# Release Notes

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This section provides cumulative information about all new features, enhancements, and fixed defects since the last major BIOVIA Insight release: 2020. It also identifies known issues in this release.

## Change Advice

Per the GAMP 5 and ICH Q9 Guideline, BIOVIA understands the requirement to apply Quality Risk Management to computerized systems. The Release Notes include Change Advice information to aid in the risk assessment of changes to a validated environment and determines the required effort to validate the release of BIOVIA Insight. The Change Advice:

- Provides a measure of the potential harm of the issue in the environment
- Identifies the complexity of change

## Risk Definition

- **High:** Update affects several distinct areas of the code or is in a complex area of the code
- **Medium:** Update affects a few distinct areas of the code or is in a stable area of the code
- **Low:** Update affects an isolated area of the code or is in a stable area of the code

## New Features

- Saving a Public template is only available to members that are in the Insight/DataEditors group, by default all users are in this group.
- You can now import and export the xml structure data file .xd(f) files. Refer to the *BIOVIA CTFfile Formats* guide for more information.
- You can import zip files that contain multiple .sd(f), .rd(f), or .txt files. All files in a zip file must be the same format type.
- Advanced filters: Properties of the same type are now arranged together in the Advanced Filter Panel.
- Advanced filters: When you have one or more advanced filters applied to a widget, a filter indicator displays in the widget header and you can hover over the header to see what advanced filters were applied to the widget.

## Enhancements

This release of BIOVIA Insight includes the following enhancements.

Description	Areas Affected	Risk	User Story
When one or more advanced filters is applied to a widget, that widget now shows an indicator. A tooltip describing the filters can also be viewed when hovering over the widget title bar.	Filters	Low	SDX-16440
Multiple advanced filters on the same property are now grouped together in the advanced filter panel.	Filters	Low	SDX-16441
Additional properties added to a chart tooltip now appear in a consistent order. When there are many properties to choose from, a filter box has been added to make finding properties more convenient.	Charts	Low	SDX-16648
Users cannot save templates as public unless they are members of the Insight/DataEditors group.	Templates	Low	SDX-16649
By default, atom-atom mappings and reacting center marks have been disabled to improve the display of reactions.	Chemistry	Low	SDX-16732

## Fixed Defects

This release of BIOVIA Insight includes the following fixed defects.

Severity	Description	Areas Affected	Risk	Defect
Major	Pipette Sketcher now correctly launches in reaction mode when editing reactions.	Materials Search/Browse, Charts, Chemistry	Low	SDX-14340
Major	When importing files with chemistry, the application no longer attempts to convert columns that cannot contain chemistry.	Visualization Documents	Medium	SDX-16613
Major	Using a structure filter in a document that contains empty structures no longer causes an error.	Filters, Chemistry	Low	SDX-16647

Severity	Description	Areas Affected	Risk	Defect
Major	Eliminated unneeded log output caused by background tasks.	Lists	Low	SDX-16722
Minor	Exporting deep data to Excel no longer generates unnecessary empty rows.	Data Export	Medium	SDX-15171
Minor	Non-chemistry string columns with values that happen to be valid chemistry no longer get converted to chemistry during export.	Data Export	Medium	SDX-16309
Minor	During file import, @ characters in the names of columns are now correctly preserved.	Data Transfer	Medium	SDX-16625
Minor	The summary tab now responds to data editing in addition to data filtering.	Visualization Documents	Low	SDX-10159
Minor	When exporting to RD, the user must now specify one top-level chemistry field and may optionally choose lower-level chemistry if present.	Data Export	Low	SDX-12742
Minor	The text exporter now prevents users from choosing the same value for the delimiter and multiple value delimiter to protect against invalid exports.	Data Export	Low	SDX-13149
Minor	The Recently Used Data Sources list now correctly shows all recently used data sources, rather than only data sources with associated forms.	Search Forms	Low	SDX-13871
Minor	Usability improvements have been made to the clustering widget configuration panel.	Widgets	Low	SDX-14098
Minor	Categorical text filters now correctly display in scenarios where a deep property has all empty values except for one.	Data Service, Filters	Low	SDX-14145
Minor	Column names with trailing spaces at the end no longer cause duplicate columns to be created during export.	Data Export	Low	SDX-14395



Severity	Description	Areas Affected	Risk	Defect
Minor	Saving and loading a visualization document with the left-hand panel collapsed no longer causes the document to display incorrectly.	Visualization Documents	Low	SDX-14896
Minor	Better feedback is provided when changing the configuration on a chart that was previously displaying an error message.	Widgets	Low	SDX-14908
Minor	Editing a static text field in a form no longer causes other properties to reset.	Browse Forms	Low	SDX-15342
Minor	An improved error message is displayed if a zip file containing unsupported file formats is imported.	Data Transfer	Low	SDX-15398
Minor	Applying conditional formatting to an empty column no longer causes the table to show as empty.	Data Service, Visualization Table	Low	SDX-15775
Minor	Conditional formatting now correctly applies to data that contains a mix of integers and decimals.	Visualization Documents	Low	SDX-15790
Minor	Sorting on a column that contains a mix of integers and decimals now functions correctly.	Visualization Table	Low	SDX-15791
Minor	Adding a filter on a deep property with empty values now displays the correct error message.	Filters	Low	SDX-15814
Minor	A box plot in single record mode now correctly displays after saving and reloading a document containing it.	Charts	Low	SDX-15847
Minor	Histograms for data sets with three or fewer unique values now display the correct distribution.	Filters	Low	SDX-16061
Minor	When the user edits a record highlighted in the grid, a different record is no longer shown in the edit panel.	Selection Interactivity	Low	SDX-16107 SDX-16519

Severity	Description	Areas Affected	Risk	Defect
Minor	If a chart would warn the user that an operation could take a long time, the user does not see that warning again after saving and reloading the document, as they have already accepted this behavior.	Charts	Low	SDX-16403
Minor	Performing a search without criteria no longer breaks the application.	Saved Searches	Low	SDX-16619
Minor	Columns in the table no longer lose the sort menu option after enabling and disabling multi-sort mode.	Visualization Table	Low	SDX-16626
Minor	Date conditional formatting rules now correctly display the default values in Internet Explorer 11.	Filters	Low	SDX-16685
Trivial	Usability improvements have been made to the formula filtering help text.	Filters	Low	SDX-15696
Trivial	The placeholder text for editing a formula field is now more accurate.	Data Editing	Low	SDX-15773
Trivial	The column header tooltips now show the full path for a deep property, rather than just the tail end.	Visualization Documents	Low	SDX-16507

## Known Issues

This release of BIOVIA Insight has the following known issues.

Severity	Description	Defect
Major	Insight cannot import numeric data from files that use commas as decimal separators. Such files need to be pre-converted to use periods (.) as decimal separators for successful detection and import of numeric fields.	SDX-10344
Major	Data transferred from search to visualize will fail to appear in visualize if the property name has a Unicode character in it.	SDX-15477
Major	Saving lists with large record counts may fail inconsistently.	SDX-15498
Major	Exporting large amounts of data can cause export to fail.	SDX-15754

Severity	Description	Defect
Major	Excel exports of very large data sets or data sets with many hierarchical properties can be prohibitively slow. When it is necessary to export data sets of this size, it is recommended to split them into smaller sets for export.	SDX-16118
Major	Importing a data set with multiple top-level chemistry properties to the XD file format only converts the first column to structure images.	SDX-16748
Minor	The data import workflow and some widgets, such as the Table and Detail View, remove line breaks from multi-line data when displaying the data.	SDX-5491
Minor	When multiple users use BIOVIA Search at the same time, there may be a small window of time when one user can still use a form deleted by another user.	SDX-13173
Minor	Due to package dependencies, the Insight installer cannot uninstall the product. Support staff can provide commands to run as a workaround if required.	SDX-13262
Minor	Adding the extendedType "GenericStructure" to an IDS may cause new generic structure search options to become available at the cost of losing access to other search types such as Substructure, Exact, Exact + Tautomer, and more.	SDX-14400
Minor	When editing a table with a large number of columns in the form designer, trying to scroll with the mouse may start to move the table instead of scrolling. Moving the scroll bar using the right mouse button avoids this problem.	SDX-14588
Minor	Database fields containing 64-bit integers may be incorrectly rounded when shown in Search/Browse. Depending on the contents of the data, it may be possible to mark them as VariableText in the IDS to correct the display, but this workaround may not be sufficient for all data, and will cause data changed in this way to be imported as text to Analyze/Visualize.	SDX-14810
Minor	Tables with compound primary keys, and where some key values are null, may not return expected results.	SDX-15238
Minor	Deep data in a browse form may briefly load and then disappear on an inconsistent basis. Paging through different records corrects the issue and allows the data to display correctly.	SDX-15291
Minor	Templates do not allow for the exclusion of calculated properties, even if those properties are deleted before saving the template.	SDX-15318
Minor	In Materials Search Browse, the "Cost (USD)" column should instead be titled "Unit Cost (USD)".	SDX-15345

Severity	Description	Defect
Minor	Designing a form layout that combines multiple tab and/or group boxes with loose fields may cause the form to render incorrectly. As a workaround, it should be possible to group loose fields in a group box.	SDX-15354
Minor	Users may receive an error message when launching the application for the first time each day if the server is responding slowly. This message is typically not seen on subsequent application loads.	SDX-15413
Minor	If a browse form contains a table with only one column and that column has no data, it will prevent data from appearing elsewhere in the form. As a workaround, users can add a column to the table that is expected to always have data (such as a primary key column).	SDX-15462
Minor	Using the enable script parameter on a data generator protocol may make it impossible to import data from that data generator due to the import UI locking up. If this issue is experienced, a workaround is to remove the enable script.	SDX-15710
Minor	Materials Search Browse incorrectly displays results that do not have any products from a preferred supplier.	SDX-15831
Minor	The Load Containers in DataMart protocol may fail if an attempt to join on a cache happens at the same time as an attempt to append to that cache.	SDX-15870
Minor	Comments from a submitted request in Materials Search Browse do not appear on the matching request in CISPro.	SDX-15871
Minor	CISPro containers show the Materials Search Browse vendor information in their catalog fields.	SDX-15974