

SmartConnect 21 Release Notes

Note: If upgrading to 21.1.0.931 from earlier versions, the data source driver has changed for specific text files. Users should verify that folder text data source integrations still have all fields mapped correctly in integrations and calculations, as some column names may have changed. No other data sources are affected by this change.

Feature List

21.1.0.1633

- Added forwards compatibility for upcoming SmartConnect Business Central change tracking extension update.
- New Business Central Odata Api destination.
- Service Authentication for Business Central.

21.1.0.1567

- Configuration allows perpetual users to be synced to the UAM for accounts converted to SAAS.

21.1.0.1545

- Multi data source syntax can be set to SQL or SQLite.

21.1.0.1531

- Use Column Data Type for Excel files

21.1.0.1523

- Business Central custom APIs are available
- Password Policies
- Multi Factor Authentication
- Display the name of the associated data source on the Integrations grid
- Documentation Tool

21.1.0.1383

- Option to change display name of fields on XML sources.
- Windows service has configuration option to set when it will restart weekly.

21.1.0.1316

- Dynamics 365 Finance & Operations/Supply Chain Management connection release.
 - Support for D365 F&O online available for data sources and destinations.
- Business Central Connection update.
 - Support for the BC standard API in sources and destinations.
- REST Connection update.
 - Error code handling now configurable.
 - Bulk source updates for useability.
- Clearing fields for CRM, Salesforce, BC
 - Ability to clear lookups and date fields using a calculated column.

21.1.0.996

- New Maintenance options to clear event logs, regular map logs, and process errors data.
- Integration description now displayed anywhere Integration ID is displayed.
- Confirmation prompt to save you changes implemented on connections, data sources, and mapping windows.
- Right-click context menus have been added to maps, connections, data sources and any other grids.
- Users' settings now persist when logging out and back in for column groups and column orders.

21.1.0.931

- Multiple improvements to memory management with SmartConnect service for scheduled integrations.

21.1.0.911

- Business Central Connection Update
 - Business Central real time data sources added as an option to the connection. Makes use of the standard API web hooks in BC to fire. Compatible with BC online only.
- REST Connection Update
 - XML payloads new supported in addition to JSON for data formats.
- SQL and GP Connection Update

- Trim function now available as a checkbox on data sources for both those connection types. Automatically will trim every source field when marked.

21.1.0.601

- Salesforce Connection Update
 - Production and Sandbox tabs available within one Salesforce connection. Allows for promotion of Apex classes and triggers to production – used in real time data sources.
- REST Lookup Column
 - Allows data to be retrieved from a call out to a defined REST endpoint during integration execution.

21.1.0.447

- Business Central OAuth Authentication
 - OAuth token validation supported in the Odata connector for BC. Basic authentication is deprecated in BC online and will be disabled in spring of 2022. Current and new connections can be updated to use OAuth authentication in this release and going forward.

21.1.0.366

- REST Connector
 - The updated REST Connector matches the REST connector available in SmartConnect.com. New REST connections to APIs should be created and maintained in this connector rather than the legacy REST connector (the legacy REST connector will remain in product for existing solutions).
- CRM OAuth Authentication
 - OAuth token validation supported to account for Microsoft's disabling of the regional discovery services. Basic authentication is no longer supported by Microsoft.
- FTP
 - Added FTP connections to match the capabilities available in SmartConnect.com. Can be used as part of source or destination of integration in the same manner local directories function.

21.1.0.279

- Configuration Tool

- The configuration tool now allows registration with the eOne servers when the client machine runs through a proxy. Only local on-premise connections/connectors within the app will correctly function at this time after registration however.

21.1.0.237

- Upgrade Process
 - Upgrade from SC 20.18.1.49 available. Reference documentation for full steps to update to the latest database structure.

Fix List

21.1.0.1642

- Application
 - Calculations not useable within an entity lookup.
 - Select Distinct causing syntax error when using source on an integration setup.
 - Missing Business Central API route causes connection save error.

21.1.0.1641

- Application
 - WCF Service processing XML sources with Arabic characters incorrectly.

21.1.0.1635

- Application
 - Use SQL backend missing for multi data sources.
 - Sync users failing for some users due to foreign keys.
 - Customer Engagement updating connection modified date incorrectly.

21.1.0.1634

- Application
 - Incorrect messaging in event log.

21.1.0.1633

- Application
 - Special characters show as question marks on text folder source.

- Excel files with a .XLSX file extension are not working with FTP and graph folder sources.
- OneDrive folder data sources receiving error when trying to import the integration.
- SFTP Destination Performance increased.
- Update connection details tries to validate before setup is complete.
- Config tool Update SmartConnect User password not setting the Trust Server Certificate option.
- Rest lookup allows you to select itself as mappable column.
- Rest lookup causing a target of an invocation error.
- Graph emails fail when wcf service is used and database is on a different machine.
- BC odata API not paging.
- Prompt error if user tries to set their own logged in user password with the user setup window.
- Choosing Salesforce File with a production instance causes a value cannot be null error.
- Incorrect org being selected when choosing Salesforce File.
- SQL real time triggers need to be reregistered going from older release to 21.1.0.1531.
- Nested query is not organizing data correctly.
- Field type does not save for a rest calculated field.
- Add a cancel/X button to the Document Integration window.
- BC change source is not tracking changes made to the "No." field for customers.
- Some upgraded calculations failing to compile going to SmartConnect 21.
- Can't save a schedule if machine timezone is set to one with a half hour offset.
- There is no security option for node maintenance.
- Can't send a value of 1 to a SQL Bit field.
- Salesforce entity lookup return default value not working.
- "At least one key field does not exist in the source data" causes map to not open.
- Exported map that uses persist value does not import correctly.
- Provide better error when graph test email fails.
- User defined SQL Lookup Column failing.
- Excel files that have extra blank lines in the headers fail.
- Progress bar not accurate when using Finance & Operations lookups.
- Create schema file does not work on Excel file sources.
- Able to select a Json template file that has more than 1 root.
- Importing nodes with node maintenance failing.
- Global variables not being added to an integration automatically when used on a source.
- Error when using translation column on a list option lookup additional column.
- SmartConnect xml destination adds FileName node to xml output file.
- GP Destination Companies define code doesn't import with map.
- Concatenation delimiter setting doesn't import with map.
- Overridden global variables not being set when editing the value of a global variable within a map.

- .NET install prerequisite missing link during install.
- Map does not show key fields that have spaces in them on multi-source map.
- Pre map task set to Quit/Cancel results in object reference error on a folder data source.
- Text folder data sources not removing double quotes around fields.
- Trailing slash is required on the REST Web Service setup.
- MSSQL Change Data source doesn't allow restriction on which columns changed.
- Permission denied error trying to send data to some sftp sites.
- SmartConnect 21 installation error for version .net version V4.0.30.
- Calculated field used with a list option lookup failing.
- Ensure that late bound columns are not available for mapping in a multi lookup column.
- Upgrade process not warning or changing connection names in scripts.
- Extender destination not showing the Extender windows in a list option.
- Special characters in header cause entity lookups to error.
- Not able to run an integration set to xml file, receiving "Ftp destination does not end with file name" error.
- Additional columns move to top/bottom option.

21.1.0.1545

- Application
 - Multi data sources not using SQLite.

21.1.0.1536

- Application
 - Salesforce production OAuth refresh token failing.

21.1.0.1531

- Application
 - Odata api lookup not functioning correctly
 - Text files without headers not working correctly
 - Custom delimiter field was getting removed
 - Error before selecting text file delimiter
 - Text file sources with spaces in field names are not previewing correctly
 - Change password at login failing

21.1.0.1523

- Application
 - Exchange token REST connector not checking credentials on initial save

- Rest lookup doesn't return the values of the return fields if the field Names have spaces in it.
- Odata filter fields panel cutting off field names
- Fields missing from Odata filter builder
- Multiple lookups used within a lookup not returning correct data
- Can create/duplicate a map with spaces in the id if you use copy/paste
- Not able to update customer addresses for Finance & Operations destination
- Run Map task when using global variables on child map failing
- Cloned rest source definition that uses a global variable brings over wrong global variable when used on a map
- Mappable variables not displaying correctly for individual endpoints
- Not able to use clear lookup on a Customer Engagement entity lookup.
- RunningServers table not getting updated correctly
- OAuth loading scope from REST Definition instead of Connector Instance
- Node maintenance exporting not working correctly
- Changing your SQL destination connection to a different connection doesn't update the database list correctly
- SQL validation task fails if database used is not the default on the connection
- Allow right click on Global Variables Window
- Calculated field using exception does not work when destination is XML File
- Namespaces added from file fail to load on vb.net maps
- Getting asked to select a file at runtime again when running process errors
- Excel source with blank values fails to send to some SQL table fields.
- Excel File Source with trailing spaces in a string key field do not get processed
- User security should have an option for Generic Rest
- Incorrect syntax near the keyword distinct previewing data
- Upgrade not marking all fields on existing text file sources
- Salesforce destination integrations do not import nodes in the correct order.
- The company guid is showing on Business Central sources that were imported.
- JSON file destination not formatting correct
- Customer Engagemnet destination integrations do not import nodes in the correct order.
- UpdateField column in the DestinationBase table is set to 255 characters
- GP Connector Credentials are not encrypted/masked in ConnectorInstance table
- Nested child entities not formatting data correctly
- Start, Stop and Remove buttons active at incorrect time
- SmartConnect can freeze when the .net scripting window is open and idle
- SQL real time dropping columns
- XML source not displaying data as expected
- XML Nodes do not display correctly for XML Query and XML Folder Data Source
- Generic REST Source using POST method and body with global variables does not work correctly
- Import does not have extender nodes mapped
- Multi lookup used within another multi lookup not returning correct data

- User Defined Query on Microsoft SQL Lookup Column cause map to not save
 - Subscription expiration message adjusted by one day
- Web Service
 - SQL real time processing special characters as question marks
 - XML Source and Runmapxml getting blanks

21.1.0.1425

- Application
 - ODBC Source Integration no longer requires admin permissions.
 - Translation tables upgraded from SmartConnect 2018 do not have a description value.
 - Upgrade from SmartConnect 2018 can sometimes run on partially used SmartConnect 21 database.
- Web Service
 - WCF Service timeout with CRM using ADFS.

21.1.0.1383

- Application
 - FTP destination performance increase.
 - Salesforce refresh token not refreshing on a production instance.
 - XML Folder source files not matching template.
 - Connections sometimes reverting to old settings on edit.
- Windows Service
 - Windows service not releasing memory on refresh.

21.1.0.1362

- Application
 - Salesforce date/datettime fields receiving error "not a valid value for the type xsd:dateTime".
 - XML file/folder sources do not upgrade from SmartConnect 2018.

21.1.0.1355

- Application
 - Schedule service halting map runs after factory refresh interval occurs.
 - Runmapxml api service endpoint failing to find column names.

21.1.0.1345

- Application
 - Reset user password fails for perpetual account.
 - Unable to login to SmartConnect after upgrading from 21.1.0.763 or older with perpetual account.
 - TraceLine table removing incorrect records.

21.1.0.1333

- Application
 - SmartConnect Windows Service fails to start with perpetual account.
 - SmartConnect API service fails to validate with perpetual account.

21.1.0.1316

- Application
 - XML files with comments fails to preview or run.
 - Salesforce entities with same name causing selection issues.
 - SQL connection fails when password contains semicolon.
 - Can't select an XSL file when setting up a folder XML source.
 - SQL table destination truncating text column to 16 characters.
 - SQL Validation task set to Quit results in crash.
 - Object reference error when using Case entity in Salesforce source.
 - GP change source not setup after import.
 - Show maps set to "Allow any user to run this integration" when selecting the view to show My Integrations.
 - Excel file previewing decimal fields with extra decimal places.
 - Global variable used on NAV Soap data source not added to map correctly.
 - Duplicate key causes mapping window to not load.
 - SQL Connection failing when password begins with equal sign.
 - Importing xml format showing wrong error message in source setup.
 - Cannot edit a Popdock source if no group was initially set.
 - SFTP/FTP destination files that are reused as a source don't preview rows that have blanks in them.
 - FTP excel file has sheet missing after saving and reopening source.
 - SFTP Excel, Text, and XML files get timeout error when saving.
 - SFTP XML file receiving error when using file from the root folder.
 - SFTP text file cannot create schema file when file is from the root folder.
 - SFTP excel file doesn't let you select the sheet when the file is in the root folder.
 - ODBC file data sources used on a multi-data source not obeying user security.

- Configuration Tool
 - Manually typing in the existing user field when creating a new instance.
 - Marking the Debug checkbox on the SC windows service will create the Logs folder.

21.1.0.1155

- Upgrade Process
 - Global rolling columns correctly upgrade from prior versions.

21.1.0.1095

- Application
 - SFTP destinations do not send file to sub folders when the chosen directory is more than two levels deep.
 - Fix and save to file options on failed integrations do not function correctly with excel sources containing blanks.
 - Text folder source not working if a header starts with a number.
 - Extra digits being added to decimals fields in Excel sources.
 - Text folder source not working with files where two or more columns have the same name.
 - Concur files with different amount of fields per line not working with folder sources.
 - SystemSettings script running for every processed record.

21.1.0.1028

- Application
 - Translation tables not finding correct value if multiple conditions match.
 - BC OData linked services not generating correct values for defaulting field values.
 - Text folder source not functioning correctly when special characters or spaces present in field names.

21.1.0.1020

- Application
 - XML, Outlook, and OneDrive sources failing under certain conditions.

- Editing a Run Integration Task throwing compile error.
- Text and XML sources select file at runtime error.
- Excel file select at runtime asking for file version.

21.1.0.1006

- Application
 - BC Real-time sources failing after a BC tenant update.
 - Folder real-time source not triggering.
 - Text folder sources defined headers not saving.
 - Importing a map that contains XSL files broke the data source.
- Web Service/API/Schedule
 - Runmapxml method fails if an xsl file is not used.

21.1.0.996

- Application
 - 64bit drivers causing integration to be stuck in activity table is resolved.
 - Extender detail windows now available to use.
 - Can now enter tenant id, client id, and client secrets manually on email settings.
 - Unable to import an ODBC query source integration resolved.
 - Group children button on XML destination stays checked when saving integration.
 - Stored run log limit value is now enforced.
 - Duplicating a SQL change source no longer switches the database to the connection default.
- Web Service/API/Schedule
 - Real-time integrations no longer remove spaces after & symbol.
 - Fix to scheduler memory growing when using CRM and OLEDB sources and destinations on integrations.
 - SmartConnect windows service no longer set to manual startup type on install.
- Upgrade Process
 - Salesforce source query message “could not determine login details” no longer occurs after upgrade to SC21.
- Configuration Tool
 - Instance is now set to active when using a database that had been deleted locally on an older version.
- Connections
 - Object reference error when registering a real time Salesforce source no longer occurs.
 - Salesforce OAuth change source now validates.
 - Salesforce to file option now shows data from all mapped entities.
 - Text folder source no longer processes incorrect files.
 - Text folder source previews correctly now when line feed characters are within the value of a field.

- FTP text file source creates schema correctly now.
- REST connection UrlEncodeForm option doesn't encode the = and & characters for keys now.
- FTP destinations now send to correct sub folders.
- FTP destination now errors correctly if a file exists.

21.1.0.947

- Application
 - XML destinations won't open or delete after upgrading from earlier versions.
 - Not able to save the character set value on text file and folder sources.
 - Pipe, tab, custom delimited files not working with folder sources.
 - Text folder sources not sending blank values to SQL destination correctly
 - Global variables not being added to an integration automatically when used on a source.
 - Extender windows only showing 15 fields.
- Connections
 - All fields in Salesforce queries being treated as strings.
 - Delete node not working with Salesforce destination.

21.1.0.931

- Application
 - SQL sources used in multi data sources contained unique IDs that caused a crash.
 - BC real-time integrations export/import error.
 - BC real-time integration Collection change type not processing.
 - Text folder data sources no longer use ODBC driver – 64 bit ODBC driver is not thread-safe.
 - SmartConnect service fails to start with invalid handle exception.
 - Not able to select a return value on BC Odata field lookup additional columns.
- Connections
 - REST connection not able to save a long Scope.

21.1.0.911

- Configuration Tool
 - Special characters in SQL user password caused crash.
 - Unable to retrieve database schema when creating a new instance.
 - Unhandled exception error when configuring specific proxy settings.
- Web Service/API/Schedule
 - High memory usage on web service caused by CRM/CE real time data sources.
 - Window service would not start when account is in expired grace period.

- Upgrade Process
 - Specific maps not processing after an upgrade.
 - 2018 ODBC file sources create a new connection when upgrading.
 - XML destination maps would fail to upgrade.
- Import/Export
 - Imported CE real time integration does not process.
- Connectors
 - REST Connection with 2nd level child nodes fail.
 - URL Encoded Form does not validate unless formatted as JSON.
 - Switching BC instance does not refresh companies list.
 - Linked objects not checking SQL destinations with manually added connections.
 - Underscores in XML destination causes map failure.
 - Extender window note type would fail to add nodes to map.
 - REST definition for Item Count Path not saving correctly.
 - SOQL nested queries with parent relationships failing to validate.
 - CE/CRM entity lookups not returning a value when using the default value option in the return data.
 - Incorrectly reading SQL fields with trailing spaces.
- Application
 - In some instances, restricting records causes out of range error.
 - Use log checkbox becomes unchecked on repeated save/loads of map.
 - FTP path shows blank if using home directory.
 - XML folder source integrations would be categorized as Excel folder source integrations.
 - Selecting an XML transformation file window would not show xsl files.
 - XML folder source ignoring xsl files.

21.1.0.697

- Application
 - Salesforce Connection correctly works with a sandbox tenant if no production tenant exists.
 - Web request logs and re-runs no longer incorrectly throw an error.

21.1.0.643

- Application
 - Legacy REST connector special characters no longer break payloads.
 - Nodes can be re-ordered on the map setup screen.
 - Multi-data source allows queries to be edited directly.

21.1.0.628

- Application
 - Dynamics 365 CE token refresh when using regional discovery service.
 - Special characters properly escaped in REST connector.

21.1.0.601

- Web Service/API/Schedule
 - Weekly schedule setting wrong time.
- Application
 - FTP folder data sources are accessible.
 - JSON file source parsing incorrectly for certain scenarios.
 - JSON file path and name editing changes committing.
 - Popdock source throwing object reference error.
 - Secure global variables displaying correct values.
 - Message formatting for email tasks.
 - XML file destinations correctly executing.
 - ODBC connection strings can be viewed.
 - Salesforce Create Tests option now correctly stops when unmarked.
 - No longer can delete a REST provider that is in use.
 - Object reference error creating exchange token resolved.
- Import/Export
 - GP import – sequence contains no elements resolved.
 - Rest destination integration now imports all lines/mappings correctly.

21.1.0.471

- Web Service/API/Scheduler
 - Abort locked schedules beyond 4 hours.
- Application
 - SQL data source URL correctly set.

21.1.0.447

- Web Service/API/Scheduler
 - Monthly schedules getting incorrect dates when using “first” or “last” options.
 - Monthly schedules setting incorrect date when saved after an arbitrary UTC time.
 - Schedules not repeating correctly for the designated run time.
 - Schedules starting the following day when start time prior to current time on current day.

- Specific scenarios causing schedules to skip to next run day before current day is complete.
- Application
 - Installer checks for correct .NET version.
 - GP destination maps with modified nodes running in incorrect order.
 - Secure global variable encryption changes.
 - Default REST data source parameters not applying.
 - Script tasks not validating on first attempt when using global variables.
 - Custom rolling column next number value blank after duplicating integration.
 - Trying to remove global variable that is in use prompts user with warning.
 - Syntax error on specific data source previews using “select top XX” statement.
 - No longer able to change entity in a real time source once the source is saved.
 - Added BC SaaS OAuth authentication due to web access key being deprecated.
- Upgrade Process
 - Grouped columns that are not mapped failed to upgrade.
 - GP nodes created/modified in node maintenance failed to upgrade.
- Connectors
 - Change sources not creating for specific Salesforce entities.
 - Salesforce change integrations not importing/exporting.
 - SFTP with key file failing to load directories.
 - FTP file type selection not allowing all file types.

21.1.0.395

- Configuration Tool
 - Entering an incorrect SmartConnect password when setting up an active instance causes incorrect messages to be displayed.
 - Re-connecting to a SmartConnect instance if the server no longer exists.
 - Plus signs in email addresses causing user accounts not to sync.
- Web Service/API
 - Incorrect CRM DLL installed when API service is not included.
 - GetMapList endpoint causing error in event log.
- Application
 - Salesforce destination integration target lines becoming unmapped in certain conditions.
 - Mapping to a GUID field type causes Fails to Convert String to GUID message.
 - Cannot edit a SQL connection if the original database is no longer available.
 - Scheduling processes not picking up next run date correctly in certain scenarios.
 - Unable to use multiple variables in a data source.
 - JSON file exports not processing correctly and JSON sources not validating when parent and child nodes have same name.
 - Data source minor fixes for runtime excel and text files and excel folder source options.

- SFTP key file and default port number fixes.
- Unable to uncheck the option set checkbox on CRM/CE change data sources.
- REST Connector
 - OAuth Access Token routing through incorrect callback URL.
 - REST parameters not being removed from the ConnectorInstance table and error on saving of parameters.
 - Exchange Token authentication process displaying generic error.
 - Duplicating a REST destination with multiple actions failing.
 - Generic REST service image not loading when no custom image chosen.

21.1.0.366

- Application
 - Updated the Microsoft Dynamics 365 Customer Engagement (Dynamics CRM Online) connector to handle the changes due to regional discovery services being disabled by Microsoft. OAuth Token support is now enabled.

21.1.0.279

- Configuration Tool
 - After entering an incompatible database then entering a correct database, could not tab to confirm password field.
 - Confirm password field is enabled after entering a database name that already exists.
 - Error when SQL Server Details are incorrect.
- Web Service/API
 - Runmapxml and Runmap methods failed when integration has calculation fields.
 - Getmapxml and Getmapxml with variables fail if integration uses a restriction.
 - Getmapxml and Getmapxml with variables fail if integration uses a calculation.
- Application
 - Default connection could not be used in scripts.
 - List option fields not importing correctly.
 - Multi data source linked sources not getting removed correctly.
 - If the Data Table Name on a multi data source has a space in it, then there are no fields to select in query builder.
 - Translation is not working when used within a GP Rolling column.
 - Was no way to dismiss the re-register process when the API service is not used.
 - Not able to save the nav soap connector without a domain.
 - CSV destination with commas in the source data.

- Expanding the connector setup window irregularities.
- Connector setup window open action.
- Map window expands incorrectly.
- BC failed records returning generic error message.
- Upgrade Process
 - Multiple schemas cause the upgrade process to fail.

21.1.0.183

- Configuration Tool
 - Configuration tool throwing an unhandled exception error when trying to use a database name that is an existing non-SmartConnect database.
 - Setting up a new instance to a previous database that failed to setup.
 - Configuration tool throwing an unhandled exception error when using the same user for SQL Server detail as the SmartConnect database.
- Web Service/API
 - GetAllData method does not return data for XML sources.
 - XSL styles not being applied to XML data source when using RunMapXML service endpoint.
- Application
 - Integrations using text file data source fails to import.
 - RunMapConsole throws an exception when executing.
 - Default SQL Connection error in script fails during execution with message “is not declared. It may be inaccessible due to its protection level.”
 - Password confirmation box not popping up when setting up a new user.
 - Choosing the Salesforce entity lookup before selecting an instance fails.
 - EConnect DLLS not included for previous releases of GP.
 - Missing DLL for older versions of Windows OS.