

Release Notes for ExtraView 20.1

Dec 14, 2020

Feature Enhancements

Module: API & CLI		
Issue #	Title	Release Note
386872	Enhancement to the API to utilize OAuth2 authentication	This new authentication method avoids the need to submit a User ID and password with every API call. Upon the initial authentication a token is provided which is used for subsequent calls. This token has a specific lifetime and expiry date/time after which it must be renewed.
369581	New option to control the return of base64 encoded images within HTML Area fields	There is a new optional parameter named exclude_data_images within API calls. When an API command returns HTML Area fields with embedded images, the base 64 encoded data for the image is excluded from the data returned by the server.
Count: 2 rows		

Module: Add & Edit		
Issue #	Title	Release Note
388600	Implement new menubar features	<p>This is a major new feature that replaces the menubar buttons that were previously hard-coded and only configurable with custom code with buttons created as fields and placed on layouts. This reduces the configuration to point-and-click and with virtually no need to custom code.</p> <p>At the same time, custom menus with custom buttons can be placed within layouts at any place where the administrator requires these.</p> <p>All buttons have a variety of layout cell attributes that can be applied to control their functionality and appearance. Custom buttons that you add may have actions such as running reports, opening URLs and emulating any inbuilt button function.</p>
387807	Embedding report output within Add and Edit Screens	This is a major enhancement which allows the administrator to embed the output from a report within an add or edit screen layout. The report may use values of fields within the layout as runtime values and the reports will refresh if these values are changed by an end user.
380669	Add a visible indication to the user that the system has submitted an Ajax request and is processing.	When an add or edit screen makes an Ajax request to the server, a spinning icon is displayed to provide the user with visual feedback that the local computer is waiting for the request to be completed.
Count: 3 rows		

Module: Administration		
Issue #	Title	Release Note

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390066	DD nav bar alteration	The tabs of the Data Dictionary no longer display Navigation Bar Buttons (they are controlled within the Navigation Bar utility) and the Labels tab has been renamed Labels / Buttons to better reflect its contents
388484	New ability to search/sort Data Dictionary fields by UDF/inbuilt type and Issue/ Repeating Row record type	This is achieved by placing these fields on the list display where they can be sorted and filtered
387813	New ability to control the widths of columns on RID layouts	The LABEL TAG layout cell attribute can now be used on RIDs to control the width of individual columns on RIDs within add and edit screens
387566	New support for VISIBLE IF on PAGE_PRE / PAGE_POST layouts	The VISIBLE IF layout cell attribute has been enhanced to better support PAGE layouts for mobile clients. This now suppresses the titles to the pages if they are hidden, as well as the embedded layout referred to by the VISIBLE IF
386091	Improved usability of the "pencil editor" on the behavior setting screen	This enhancement improves the operation of inline edits on the behavior screen
369422	Alteration to how layout inheritance operates	With this release, the user role is considered after the business area and project for inheritance purposes. For most installations this will not require any alterations to their configuration, but in some installations which use role-based layouts, some layouts may need to be saved within a different project to retain existing functionality.
360329	Display user defined fields on search popup for users	The user defined fields for user accounts may now be placed on the behavior setting named FULL_TEXT_SEARCH_COLUMNS, allowing these fields to be displayed on the search popup for users
358428	The session ID is displayed for each session on the End-user Session Management screen	The session ID is displayed for each session on the End-user Session Management screen
351297	Manage tasks on remote nodes in a clustered system	There are several improvements which enable the administrator to manage the tasks running on remote nodes, without the need to sign on to an explicit node
351191	New ability to provide alerts if a task stops	A new task property named ERROR_NOTIFICATION_WARNING manages the interval for notifications to be generated
Count: 10 rows		

Module: Attachments		
Issue #	Title	Release Note
387803	Re-enable database triggers after disabling them as part of attachment migration from the database to the file system	<p>This is a new, stand-alone program named DocumentImageMigration. It will typically be run with the support of doDocumentMigration.bat or doDocument Migration.sh. Database patches must be run with patchrunner when Document ImageMigration has completed its work. the program disables the database triggers when it is running, so as not to create history entries for the updates it makes.</p> <p>For most migrations only the -migrate option needs to be performed. The size columns will already be set in the database.</p>

Feature Enhancements

Count: 1 rows		
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Module: Business Rules		
Issue #	Title	Release Note
386892	New Business Rules to allow case conversion of text fields	Business Rules now support the {uppercase} and {lowercase} value qualifiers to allow case conversion of text strings
384176	New mechanism to create dynamic URL links in Business Rules	The values of the behavior settings SITE_URL and EXT_SITE_URL may now be used in rules and may be assigned to text fields
381415	New "contains" qualifier in Business Rule link directives	The qualifiers "contains all", " contains any" and "contains none" allow searching for multiple values in the business rule link directive.
Count: 3 rows		

Module: Design Center		
Issue #	Title	Release Note
389413	New "DISPLAY_MODE" list option to all _IF layout cell attributes - with options of WORKSPACE or STANDARD MODE	For all layout cell attributes that end in _IF, i.e. those that are applied to cells with an "if" condition, there is a new pseudo-field option. In the list of fields, there is one titled "Is Workspace". Setting this to a value of Y allows processing to determine that it is happening within the workspace environment, as opposed to the standard interface.
Count: 1 rows		

Module: EVMail		
Issue #	Title	Release Note
387186	EVMail Parsing did not work correctly with Microsoft Office365	EVMail did not correctly parse incoming email which was HTML format only, as opposed to text format. A new property allows the administrator to set up the appropriate tests for incoming values, so they may be used to set values in the issues being created.
Count: 1 rows		

Module: File Import (GUI)		
Issue #	Title	Release Note
382204	While performing import operations, STOP rules entered a Rules Ignorable Exception in the app server log file	STOP and ESTOP business rules no longer throw an exception to the log file when the file import operation encounters these rules

Feature Enhancements

Count: 1 rows

Module: Gateway		
Issue #	Title	Release Note
389768	Allow the auto-remembering of the width of the menu panel for each user for the Gateway	Within the Gateway interface, the size of the navigation bar is now remembered between each session, for each user
389767	New ability to add entries for Shared/Personal Home Pages	This new feature allows the administrator to set up a navigation entry on the Gateway screen to go directly to a specific Home Page
386559	The Gateway interface now utilizes token-based OAuth2 to access remote ExtraView sites	When a Gateway user adds a link to a remote ExtraView site, the authentication information is not stored within the database, but instead, a secure token is granted by the remote server. This authentication is managed using the OAuth2 protocol. This prevents a clear text password being stored within the local database.
385702	Gateway enhancements to improve links to the local instance and to remote sites	Enhancements to the Gateway links allow users to set up links to internal reports and to establish links to remote ExtraView sites using OAuth2 as an authentication protocol.
Count: 4 rows		

Module: General code issues		
Issue #	Title	Release Note
390077	Ability to use Layout descriptions as screen titles to replace the screen label held in the Data Dictionary	A new behavior setting named LAYOUT_SCREEN_TITLES controls the ability to set the titles to all add and edit screens individually, as opposed to globally
338303	ExtraView with Apache Tomcat 8	The configuration of Tomcat 8 has altered, compared to previous versions. There is a new configuration option which allows this new version to work with ExtraView
Count: 2 rows		

Module: Mobile Client		
Issue #	Title	Release Note
389249	Ability to take a photograph, and upload directly as an attachment	This simplifies the process of uploading photographs to the ExtraView server from a mobile device, as photographs may now be taken directly within the mobile client application.
363339	Upgraded Android and iOS Apps	There are new versions of the ExtraView Mobile apps in the Google Play and Apple App stores. This takes advantage of the latest libraries within the software and fixes a number of bugs.

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Count: 2 rows

Module: Navigation Bar		
Issue #	Title	Release Note
385308	Setting roles in the navigation bar screen is easier	The multi-select list for user roles is now able to be expanded and contracted to make it easier to set multiple roles within the list.
Count: 1 rows		

Module: Search / Report		
Issue #	Title	Release Note
390029	Hover tips on Treegrid reports	Hover help tips on the edit button within Treegrid reports has now been implemented
390028	New ability to use a field value on an add or edit screen to be used as a filter value within an embedded report	This feature allows you to set up a filter on a field which uses the value of a different field as the input. For example, a report that you embed may want to retrieve an issue which has the ID of the current issue equal to the value of the field named PARENT_ID within the issue
388990	New ability to select the user's display format in reports	Previously the format for a user's name within reports was set to be the format of the user running the report. This new feature allows the report to always use a fixed format for the output, so users will always see the same display of the user's name for that report
386775	Conditional formatting - users can specify a particular date format on report output of date/day fields	This new feature allows a user to output date and day fields using a specific format, as opposed to using their own personal date format stored in their user profile.
386752	Extended the ability to merge ExtraView output with Excel data to support matrix and summary reports	This new report output option enables the option to merge the data output from ExtraView summary and matrix reports to be utilized.
386664	Extending the timespan of matrix report output beyond the dates that data exists	This new feature allows the report creator to specify a range of dates for the report output when outputting time series data. The report output will present empty columns on the output, if no data exists for the time periods before the first data point, or after the last data point.
385280	Implemented an option to suppress user images on reports	This provides more flexibility in designing reports, and provides consistency with the general list image function.
385258	Ability to put security at the report folder level	a new option has been added to the administration utility, Report Manager. This allows the advanced security for reports to be accessed by the report administrator to reset permissions for any report, or folder of reports.
382783	The Metadata XML Export utility now has the ability to selectively select specific reports to export	This new feature now asks the administrator to select all reports, or to select a subset of reports to export with the XML data migration tool.
370899	The default for the record selector now turns on all the selection boxes when a	This makes the feature more usable

Feature Enhancements

	report is generated	
353415	Functionality to preserve the Last Modified Date information when a report is moved from one folder to another	This has been implemented
		Count: 11 rows

Module: Sign On		
Issue #	Title	Release Note
388089	Users can be assigned one or more permitted authentication mechanisms	On rare occasions, administrators wanted to configure a user to use more than one authentication mechanism, for example to be able to sign in with either LDAP / AD or with ExtraView's built in authentication mechanism. Further, the need to control which authentication (or both) that were to be available to a user should be configurable on the user account maintenance screen. To accommodate this request, multiple checkboxes can be created to make each authentication method available to the user for their selection.
385703	Implementation of OAuth2 as an authentication mechanism	The first place this is used is within the Gateway, where users may establish links to remote ExtraView sites and keep the connection alive with an OAuth2 token. No passwords are passed when accessing the remote site once the initial authentication has been performed
373264	The user self registration has been improved, to accommodate long email addresses as unique login ids	This allows really long email addresses to be used as user's User IDs
309131	Two Factor Authentication	Two factor authentication is now available, enabled with a behavior setting named ENABLE_TWO_FACTOR_AUTH. This introduces a verification step upon user's signing on, whereby they will receive a code by email that must be entered before the sign on process is complete.
		Count: 4 rows
		Total Count: 46 rows

Fixed Bugs

Module: Add & Edit			
Issue #	Found in Release	Title	Release Note
390358	20.0	ONCHANGE business rule interfered with PDF generation	This resulted in a display problem on the screen, although the PDF was generated correctly when requested
389393	20.0	The recently introduced "checkbox" style rendering for list values, and multi-select fields was not rendering correctly	This was fixed.
386238	20.0	STYLE IF layout cell attribute did not work on a RID layout	This was fixed
386093	12.0.2.9	The "highlight If" layout cell attribute attribute on a field placed on a RID did not work with multiple value User fields	This has been fixed
383011	12.0.2.10	The RID Add button disappeared after cancelling an inline add operation	This has been fixed.
379972	11.2.5	NotSerializableException in library	This problem was in a third party library utilized by ExtraView. This has been fixed.
377829	20.0	RID page size issue	On Related Issue Displays, results are paginated according to their page size. If the last page only contained a single item, then it would not be displayed. This has been fixed.
366094	12.0	Document fields would not display the selected document for upload	This occurred after a file for upload was deselected and another file was then selected. This has been fixed
363346	12.0	Custom date masks did not support the HH and kk date formatting options	This has been fixed.
359747	11.2.3	The stateVar form variable is EDIT_PROBLEM instead of updateContinueBtn when the SAVE_AND_CONT_ACTION behavior setting is set to PAGE as opposed to AJAX	This has been fixed.
			Count: 10 rows

Module: Administration			
Issue #	Found in Release	Title	Release Note
389434	20.0	The Import Field Values functionality in the data dictionary failed when the file contained existing list values	Duplicate values should have been ignored. This has been fixed
388596	11.2.6	Report copy loses folder structure	a new option has been added to the administration utility, Report Manager. This allows the advanced security for reports to be accessed by the report administrator to reset permissions for any report, or folder of reports.
386175	12.0.2.10	The escalation task was updating tickets as the SYSTEM user	This was an unusual set of circumstances where the task could not find the appropriate user to use when it was restarted. The software has been modified to prevent this happening and the task will use the ADMIN user.

Fixed Bugs

385684	12.0	A custom date mask was replaced with USERMASK when creating a new user	This was fixed
385193	20.0	Administrators could not delete an image uploaded for a list value	This has been fixed.
361320	11.2.5	ExtraView hang when trying to add new status list value	This was a problem with SQL Server databases and has been fixed. There was a simple workaround to the problem.
			Count: 6 rows

Module: Attachments			
Issue #	Found in Release	Title	Release Note
379344	11.0	Java Error - occurred once every few weeks only	It was found that the escalation task was the root cause of this error. The code has been fixed to prevent this error from recurring.
			Count: 1 rows

Module: BatchMail			
Issue #	Found in Release	Title	Release Note
390970	20.0	Template emails were not including images contained within HTML Area fields	This only occurred on a single customer's site. The problem has been resolved.
363814	10.2	BatchMail could find attachments with a semicolon in their name on Windows servers	This has been fixed
			Count: 2 rows

Module: Business Rules			
Issue #	Found in Release	Title	Release Note
390945	20.0	An UPDATE Business Rule was pushing document field data into the wrong field	When the UPDATE business rule mapped a document field to a different document field in a different issue via a LINK rule, the original field was updated, not the mapped field. This has been corrected.
388101	20.0	Only a limited number of chained UPDATE business rules were executed	The code had set an arbitrary limit to only recurse five levels deep within an UPDATE rule. This limit has been increased to 100 UPDATE operations.
388053	20.0	Reauthentication rules with OKTA servers were migrating the user session to a different node, causing a user timeout event	This only happened when OKTA authentication was configured on a system which had multiple application servers configured. If the app server received a request to authenticate on a different app server than the one that the user's session was allocated to, a session timeout would occur. This has been fixed.
385819	11.2.3	Mail rules were triggered when deleting a record	This is not the desired behavior and it was causing an exception within

Fixed Bugs

			the app server log. The behavior has been modified so no errors occur within the log
382765	12.0.2.10	Document fields did no display correctly when appended to text field in business rules	Each part of a document's metadata may now be referenced separately within business rules, and used as part of string assignments.
374675	12.0.2.7	The object business rule would execute in some circumstances when it should not	The object rule syntax has been extended to include filters for fields within the issue to avoid this happening. The rule will only be triggered when these fields have the values specified within the rule.
357671	11.0.3.3	Performance issue with business rules if * Global Area * rules are empty without any directives	Empty rules within the Global Business Area caused the entire set of rules to be recompiled upon a change, as opposed to only the Business Area containing the rule being inserted / modified to be compiled. There was no error in this happening, but it added to the time taken to update the rules. This has been fixed.

Count: 7 rows

Module: Database

Issue #	Found in Release	Title	Release Note
363820	11.2.3	A custom date mask of "dd MMMM yyyy hh:mm a z" resulted in :00 being appended to the value presented to the user	This was fixed to remove the :00 at the end of the value

Count: 1 rows

Module: Design Center

Issue #	Found in Release	Title	Release Note
388697	20.0	Help Text did not save when editing a field via the Design Center	This has been fixed

Count: 1 rows

Module: File Import (GUI)

Issue #	Found in Release	Title	Release Note
363354	11.2.5	Import validation doesn't catch invalid number value	The validation for all numeric type fields has been moved to occur earlier in the process, before the import and at the time of validation, before the actual import.

Count: 1 rows

Module: General code issues

Fixed Bugs

Issue #	Found in Release	Title	Release Note
388816	20.0	The password reset screen did not actually reset the password	The exception has been fixed and the message to the user has been improved when the password is not being updated by the utility
388494	20.0	Remove usage of System.gc() calls in the ExtraView servlet	A call in the ExtraView servlet to perform garbage collection was removed as it is more efficient to let the Java VM perform this task.
Count: 2 rows			

Module: Layout Rendering			
Issue #	Found in Release	Title	Release Note
376913	20.0	PAGE LAYOUT fields with embedded SHADE_PRE / POST fields were not rendering HTML modifiers correctly	When configured this way, the HTML Modifiers configured within the SHADE PRE / POST were not being rendered. The problem has been corrected.
Count: 1 rows			

Module: Mobile Client			
Issue #	Found in Release	Title	Release Note
390231	20.0	Reports with keyword drilldown feature would not run on mobile clients	Reports that used the "Additional Keyword Filters" option would not run at all on mobile clients. This feature is not valid for mobile clients, so the error is now handled and the report now runs without the keyword filter being visible
387638	12.0.2.10	Reports with report hierarchies did not return results on mobile clients	Now fixed
380106	20.0	iOS mobile application stopped using voice input for text and text area fields	This was caused by an update to iOS by Apple. A new mobile client from the Apple App Store is now available to solve this problem
365370	N/A	Android mobile app would not download to Google's latest version of the Android OS.	The ExtraView Mobile app has been upgraded to use a newer version of the Android library to solve this problem
Count: 4 rows			

Module: Mobile Server			
Issue #	Found in Release	Title	Release Note
389228	20.0	Attachment file links within HTML Area fields	The text entered into the HTML Area field would be lost after using the link to upload an attachment to be associated with the issue. This has been fixed.
387220	11.2.3	Issue uploading file attachments with iOS mobile clients in load-balanced application server environment	This only happened within load-balanced installations. The problem has been fixed.

Fixed Bugs

Count: 2 rows

Module: Notification			
Issue #	Found in Release	Title	Release Note
386174	12.0	Notifications with attachments received in email no longer contain the thumbnail as an attachment	Now, only the attachment itself, and not the thumbnail image is attached to the mail received.
382136	20.0	Standard email notification showed attachments uploaded in a previous update	This has been fixed
379482	12.0.2.5	Unauthorized User email alerts	When users whose accounts are DISABLED send an email and EVMail performed the insert or update, the administrator was receiving an email notification that informed them that a disabled user updated an issue. This has been altered so that no email is generated to the administrator.
361684	11.2.3	Attaching multiple files to a custom email cancels the uploading of files	This has been fixed.
Count: 4 rows			

Module: Quickfind			
Issue #	Found in Release	Title	Release Note
388294	20.0	issues with building initial and alternate Quickfind indexes	A minor error caused multiple sets of indexes to be built, as opposed to a single set of indexes to be built. This has been fixed.
388255	20.0	The application server stalled for a long time when trying to turn on the FULL_TEXT_SYNCHRONIZE task (Quickfind) after initially creating the task	This happened on systems which stored a very large number of attachments. The problem has been resolved.
Count: 2 rows			

Module: Relationships			
Issue #	Found in Release	Title	Release Note
387434	12.0.2.10	Related records were getting attached to the incorrect RID	This was an obscure problem which occurred when there was an UPDATE_MAIN_ISSUE configuration on an Edit button of a RID record and a "Add a new RID record" button action with "Update Parent and Refresh Entire Screen" selected and there were multiple RID layouts on the main issue. This has been fixed
385762	20.0	Usability problem with RIDs and Quickedit	If a RID is configured with list or user fields with associated images, then the HEIGHT layout cell attribute that controls the height of the RID needs to be altered and increased. This will allow the RID to be

Fixed Bugs

			rendered without vertical scroll bars appearing unnecessarily.
Count: 2 rows			

Module: Report Scheduler			
Issue #	Found in Release	Title	Release Note
390986	20.0	Output to plain Excel format for Summary Reports via the report scheduler was not working	This bug was introduced in the 20.0 version and has been fixed for 20.1
378972	12.0.2.6	Monthly on Day setting always defaulted to Sunday when a report was scheduled	This was a bug and it has been fixed
376583	20.0	Scheduled Reports - Delete by user role only deleted if you clicked "set report schedule"	This has been fixed
Count: 3 rows			

Module: Search / Report			
Issue #	Found in Release	Title	Release Note
390057	20.0	Issue with the order of Query filters	There was a bug which led to the order in which query filters were defined could lead to some queries providing inconsistent results. This was fixed.
389064	20.0	Exception when using "month/year" grouping within matrix reports	This only occurred with Microsoft SQL Server databases. The problem has been fixed.
388937	20.0	Date calculations do not return the correct results when they return a negative number of days	This was only problem in SQL Server and MySQL databases. The problem has been fixed.
388448	20.0	Save & Continue within a report editor alters chart plot area color	This has been fixed so that the plot area color is correctly maintained.
387843	20.0	SLA reports don't work after update to 20.0	There was an exception while running an SLA report. This was fixed
387681	12.0.2.7	Drilldown from matrix report to a Quicklist, did not use the expected layout	This occurred when the Matrix report was hierarchical and the layout selection looked at the child level to select the appropriate layout. Now, only the parent level is used to select the layout.
387513	20.0	A Quicklist report was taking nearly 30 seconds to return a single record	This was a specific combination of filters which caused inefficient SQL to be generated. This has been fixed.
383376	20.0	Slow report queries when using "None" as a filter on a UDF list field	The database query has been optimized to speed up these queries
378310	12.0.2.6	Hierarchy report with "include parents without children" was duplicating issues on the report	This bug was only observed when the hierarchical report used "or" conjunctions in the report editor filters, along with the "include parents without children" option. It has been fixed.
368797	12.0.2.4	Leading filter conjunction was present on runtime filter screen when report run from editor vs report tree	This has been fixed

Fixed Bugs

Count: 10 rows			
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Module: Sign On			
Issue #	Found in Release	Title	Release Note
390361	20.0	After upgrading to 20.0, the signon screen was missing the PROMO field contents	This has been fixed
Count: 1 rows			

Module: XML Import and Export			
Issue #	Found in Release	Title	Release Note
385867	12.0	The XML import utility overwrote reports defined for a user role when not requested	This has been resolved
Count: 1 rows			
Total Count: 61 rows			