

Digitize business processes successfully

Accelerate digital transformation with the X4 BPMS low code platform

X4 Release Notes

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1 Release Notes 7.1.5

Release 7.15 of the X4 BPMS introduces an important update regarding the profiling feature:

Previously, processes may have been aborted during the concurrent execution of ≥ 200 processes over a period of several minutes due to the high server load. This issue did not occur with a lower number of processes and shorter loads. The issue has been resolved in Release 7.1.5, i.e. processes will not be aborted anymore due to high loads.

Minor issues have been corrected in the X4 Guides:

Guide	Description
X4 Administration Guide	In the sample keycloak_config.json file located under Connecting your own Keycloak installation , the <code>user</code> entry in the <code>rest-api-credentials</code> section has been replaced with <code>username</code> .
X4 ESB	In the X4 Adapters Overview , the German translations (<code>ja/nein</code>) of the values for Boolean parameters has been reset to the correct English naming (<code>true/false</code>) for all adapters.
X4 Web Apps	The Search and Filter section has been removed as from Release 7 of the X4 BPMS the corresponding template is not available anymore when creating a new Web App Project.

2 Release Notes 7.1.4

2.1 New functions and changes

Thanks for your feedback, we can enhance existing features and add new features with each release. This document informs you about all changes in the X4 BPMS.

2.1.1 X4 Server

New Landing Page

We have introduced a new landing page that contains all the links that are relevant for you. To do this, call up the URL of the server with the port specification in the browser, e.g. localhost:8080.

2.1.2 X4 Web Apps

New available languages

The texts of the Grid Component and the ComboBoxAutocomplete control are available in over 10 languages, including English, French, German and Spanish.

Chart Control

The functions of the Chart controls have been extended. For example, you can now set both the inner and outer radius for a donut chart.

2.2 Bug fixes

If you have reported a bug and would like to know if it has been fixed, please check one of the following tables for this information or contact your X4 Consultant.

We always try to deliver a bug-free X4 BPMS. However, if you find a bug, please report it.

2.2.1 X4 Designer

7.1.0

Key	Description
XVIER-12943	When opening the connection settings, empty text boxes are displayed until an entry is selected.
XVIER-13201	When renaming a project, an error message appears in the server log.
XVIER-13118	The icons of the adapters are not displayed correctly in the creation dialog.
XVIER-12938	An empty folder is hidden as soon as a file is inserted.

Key	Description
XVIER-13092	The Project Clean-up Wizard lists required files.
XVIER-13165	When importing an adapter project, the adapter definition cannot be found on the server.
XVIER-13689	Renaming an XML file generates an error in the Mapping Editor if the XML file was referenced in a mapping.
XVIER-13461	When pressing the F1 key, the product help does not open.
XVIER-13198	In the XLST Introduction Template, the Project Access adapter uses an invalid operation.
XVIER-13458	An error in the Advanced CRM template has been fixed.

7.1.1

Key	Description
XVIER-13872	Fixed the input XML of the Process Profiler adapter in the documentation.

2.2.2 X4 Adapter

7.1.0

Key	Description
XVIER-13237	The <code>messageDataType</code> parameter of the Apache Kafka Publisher adapter contains duplicate values.
XVIER-13231	The Web App Configuration adapter displays Web App projects that have already been deleted.
XVIER-12880	The OPC UA Subscriber adapter does not return an error message when an invalid event is subscribed.
XVIER-13327	The OPC UA Publisher adapter establishes a new session for each request.
XVIER-13228	The <code>Update Schedule</code> operation of the Schedule Management adapter returns an error when executed, even if the input XML is correct.
XVIER-13335	The User Identity adapter does not work in combination with the "Download" action.
XVIER-13530	Savepoints in a process do not work when using the Abas ERP Connector adapter.
XVIER-13716	The <code>Find Process Execution Detail</code> operation of the Process Profiler adapter outputs a wrong name within the <code>ProcessStep</code> elements for all <code>TechnicalName</code> elements.

Key	Description
XVIER-13225	For adapters created with ADK, the parameters are not filled correctly by technical processes.
XVIER-13215	For adapters created with ADK, the operation is not updated when the linked process is renamed.

7.1.1

Key	Description
XVIER-13748	Apache Kafka Subscriber no longer causes an error when subscribing and unsubscribing to a topic.
XVIER-13992	The Process Profiler Adapter works as intended when filtering for a time period.
XVIER-13786	The ZIP in Memory Compression Adapter can process files with the same name.
XVIER-14019	The BCrypt Calculator Adapter works as intended again.

7.1.3

XVIER-14140	The Profiling Adapter no longer crashes on systems with heavy loads.
XVIER-14139	The Profiling Adapter outputs the time with the specification of milliseconds.

2.2.3 X4 Server

7.1.0

Key	Description
XVIER-13009	A query with Elasticsearch that returns more than 10,000 documents is limited to the first 10,000 documents, resulting in an incomplete response.
XVIER-13006	A query with Elasticsearch executes a maximum of 2 queries per query.
XVIER-13007	Loops within processes are not retrieved correctly when retrieving profiling information with Elasticsearch.
XVIER-13005	Date filter for profiling information query with Elasticsearch does not include processes that are still running during the filter period.

Key	Description
XVIER-11764	The TaskManagement API for human tasks in subprocesses does not work correctly.
XVIER-11606	ReST streams with large amounts of data require enormous amounts of memory and lead to OutOfMemory errors.
XVIER-13522	A SOAP service defined with the HTTP MetaXml input mode is no longer executable.
XVIER-13560	The Docker version 6.3.1 image contains an old Ubuntu distribution with known vulnerabilities.

7.1.1

Key	Description
XVIER-13900	Breakpoints in subprocesses are no longer ignored.
XVIER-13853	The scheduler executes scheduled schedules as intended and no longer crashes.
XVIER-13851	Read and write access to the Placeholder Storage is synchronized correctly again.
XVIER-14003	After migration from version 6.x to version 7.1, logging in to X4 Designer is possible again.
XVIER-13958	X4 apps created with version 7.0 can be deployed in version 7.1.
XVIER-14039	The %PID% of the subprocess is again identical to the %PID% of the parent process.
XVIER-14046	Case States and status of Human Tasks are set correctly again when used in subprocesses.
XVIER-14087	Keycloak bash script for SUSE has been adapted and now exists in Unix format.

7.1.3

Key	Description
XVIER-13868	An HTTP Request with a body larger than the max-post-size configured in standalone.xml will result in an HTTP Response with status 400.
XVIER-14095	The Configuration file of a Web app can be changed again at runtime without resetting some values to default.
XVIER-14143	When the server is started, stack traces are no longer displayed in the log when schedules are saved in X4 Designer or modified via the API.
XVIER-14137	The X4 BPMS supports all Java adapter settings provided by Keycloak.

7.1.4

Key	Description
XVIER-14230	A transaction is executed again when the process is called via a ReST service.
XVIER-14222	After clearing the memory, the Profiling Adapter continues to display the logged processes.
XVIER-14217	Querying an MSSQL database using multiple Prepared Statements works as intended again.
XVIER-14284	The Docker image on Dockerhub is error-free again.
XVIER-14287	The X4 server can be shut down again without error message.

2.2.4 X4 Web Apps

7.1.0

Key	Description
XVIER-13578	When a disabled user logs in to a Web App, a message is displayed that the username/password is incorrect.
XVIER-13634	When Properties are defined in a Master/Detail Component using a process, they are not visible when the Component is initially called.
XVIER-13331	Paging in the Grid Component does not work when there is a correct connection to a database.
XVIER-13275	The "items per page" selection list is not displayed as intended.

Key	Description
XVIER-13276	When a data object is saved in a Detail Component with the data format 1.0, unneeded attributes are filled.
XVIER-13506	Custom translations are written to the system properties during migration and the key order is changed.
XVIER-13219	The Header control is not updated if the value of the Header control is set via an input.
XVIER-12834	For line charts, the scale is not displayed correctly.
XVIER-12725	The ComboBox control inside an overlay does not display the first entry when called.
XVIER-13157	The <code>horizontalAlign</code> attribute in the <code>BoxLayout</code> element has no effect.
XVIER-13245	When changing the password in "Change Password" dialog, the Web App does not display messages if Keycloak password policy is not followed.

7.1.1

Key	Description
XVIER-13888	The height of a Box layout is no longer ignored when specified as percentage and in a tab layout.
XVIER-13827	A New Action in a List Component clears the properties again.
XVIER-13882	The default color values are displayed correctly again when no Theme file exists.
XVIER-13899	After logging in, the language selected in the login screen will not be reset.
XVIER-13956	The templates for the Grid Component and Calendar Component can be created again.
XVIER-13930	SVG files are displayed again.
XVIER-13913	The token update and logout works as intended again.
XVIER-13904	The Forgot password button is now also displayed when using the Authorization Code Flow.
XVIER-13867	In the Grid Component template, the entries in the Styling menu are again displayed as before.
XVIER-13866	In the Grid Component template, all entries are no longer deleted with Multiselect.
XVIER-13865	In the Grid Component template, client-side paging works as intended again.
XVIER-13857	In the Calendar Component template, the database can be reset.
XVIER-13856	In the Calendar Component template, events can be created and edited again.
XVIER-13750	When the attribute <code>selectionNeeded="true"</code> is set in the Calendar Component, the Calendar Component works as intended again.
XVIER-14063	The Keycloak login page is displayed as intended when the Authorization Code Flow is selected in the Configuration file.
XVIER-13858	Properties in a List Component can be called from the next component with a Select Action as intended.
XVIER-13740	The incorrect references of the Calendar Component template are all fixed.

7.1.3

Key	Description
XVIER-14153	If the attributes <code>width</code> and <code>widthUnits="pixels"</code> are used in a Grid Component, this no longer creates an offset between column header and column content.
XVIER-14146	The width of columns in bar charts has been adjusted so that they are not too thin.
XVIER-14145	Properties are no longer ignored after navigating from a List Component.
XVIER-14172	The properties are corrupted when migrating a Web App Project from version 6.3.1 to version 7.1.1.

7.1.4

Key	Beschreibung
XVIER-14211	The "Upload" action no longer returns an error when uploading files larger than 500 KB.
XVIER-14207	The "Upload" action returns the <code>FileId</code> and <code>Parameter</code> elements in the output XML as intended.
XVIER-14237	When a Web App uses the Public Access authorization flow, data can again be read from the user session.
XVIER-14240	When the module is changed in a Web App, the properties values are no longer lost.
XVIER-14219	Loading a component no longer causes an error with HTTP status code 404.
XVIER-14159	Base64-encoded SVG files are again displayed as intended in an image control.
XVIER-13887	The Grid Component counts the rows correctly again.
XVIER-13847	The Grid Component revalidates changes correctly when automatically refreshing using the <code>ReloadTimer</code> element.