

Bridge 5

Bridge 5.1 has reached the end of its life-cycle and is no longer supported. To get maintenance and feature releases, update to the latest [Bridge](#) version.

Release Notes of the E2E Bridge since Version 5.1.19

Dependencies to RUNTIME and Migration Notes

The following bugfixes and features depend on a new version of the E2E xUML Runtime or are subject to migration. Please install the required Runtime version and/or perform the necessary migration tasks.

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 - [Bridge 5.1.56.1 \(03.08.2016\)](#)
 - [Bridge 5.1.55.2 \(02.05.2016\)](#)
 - [Bridge 5.1.55.1 \(08.04.2016\)](#)
 - [Bridge 5.1.54.4 \(10.11.2015\)](#)
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 - [Bridge 5.1.52.6 \(18.06.2015\)](#)
 - [Bridge 5.1.52.5 \(24.03.2015\)](#)
 - [Bridge 5.1.52.3 \(24.03.2015\)](#)
 - [Bridge 5.1.52.2 \(20.03.2015\)](#)
 - [Bridge 5.1.52.1 \(12.03.2015\)](#)
 - [Bridge 5.1.52.0 \(11.03.2015\)](#)
 - [Bridge 5.1.51.2 \(26.02.2015\)](#)
 - [Bridge 5.1.51.0 \(09.02.2015\)](#)

Console	Note																
5.1.59	Starting from Runtime version 2017.2, Windows Vista is not supported anymore. Please find the list of all supported operating systems on Bridge Installation Guide .																
5.1.56.1	With this Bridge version, we updated Node.js to Node.js LTS v4 Release 4.4.6. If you run Node.js services with native modules, the native modules must be updated to work with Node.js 4.4.x. If you use E2E Restifier for SAP 1.x, you have to update to version 2.0.0.																
5.1.55.2	The following migration notes apply to the Bridge running on Linux or Solaris, and Apache proxy. - If you are running your proxy with sudo, change the sudo configuration as described in Changing the Proxy Service Preferences. Otherwise the proxy will not start! <table border="1"> <tr> <td>ol</td><td><your Bridge user> ALL = (root:<name of the group>)</td></tr> <tr> <td>d:</td><td>NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.XX /<platform/bin/httpd</td></tr> <tr> <td>n</td><td><your Bridge user> ALL = (root:<name of the group>)</td></tr> <tr> <td>e</td><td>NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.31</td></tr> <tr> <td>w:</td><td>/<platform>/bin/httpd</td></tr> </table> - If the Bridge and the proxy run as user root, the proxy will use a user and a group for his work processes. The default for the user is nobody and for the group nogroup. If you want to use another user or group, you can change it as described in Changing the Proxy Service Preferences. If you have no user nobody or no group nogroup the proxy will not start after upgrade. - If you use Apache directives in your service configurations, you have to load the modules in the local Apache configuration as described in Changing the Local Apache Configuration. <table border="1"> <tr> <td>LoadModule</td><td>auth_basic_module modules/mod_auth_basic.so</td></tr> <tr> <td>LoadModule</td><td>authn_file_module modules/mod_authn_file.so</td></tr> <tr> <td>LoadModule</td><td>authz_user_module modules/mod_authz_user.so</td></tr> </table>	ol	<your Bridge user> ALL = (root:<name of the group>)	d:	NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.XX /<platform/bin/httpd	n	<your Bridge user> ALL = (root:<name of the group>)	e	NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.31	w:	/<platform>/bin/httpd	LoadModule	auth_basic_module modules/mod_auth_basic.so	LoadModule	authn_file_module modules/mod_authn_file.so	LoadModule	authz_user_module modules/mod_authz_user.so
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LoadModule	authz_user_module modules/mod_authz_user.so																
5.1.52.6	Starting with this Bridge version the Bridge needs Java 8 for installation.																
5.1.52.1	This build includes the new SAPNW library. Services connecting SAP systems have to be adapted to work with the new SAP Adapter. Please refer to Migrating SAP Services to SAP NetWeaver for a summary of all necessary migration activities.																
5.1.49.6	If you are running your proxy with sudo, change the sudo configuration as described in Changing the Proxy Service Preferences. Otherwise the proxy will not start! <table border="1"> <tr> <td>ol</td><td><your Bridge user> ALL = (root:<name of the group>)</td></tr> <tr> <td>d:</td><td>NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.27 /<platform/bin/httpd</td></tr> <tr> <td>n</td><td><your Bridge user> ALL = (root:<name of the group>)</td></tr> <tr> <td>e</td><td>NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.29/<platform>/bin/httpd</td></tr> <tr> <td>w:</td><td></td></tr> </table>	ol	<your Bridge user> ALL = (root:<name of the group>)	d:	NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.27 /<platform/bin/httpd	n	<your Bridge user> ALL = (root:<name of the group>)	e	NOPASSWD: SETENV:/opt/e2e_Bridge_prog/apache-2.2.29/<platform>/bin/httpd	w:							
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5.1.49.2	Starting from Runtime version 2014.16, Windows XP is not supported anymore. xUML services will not start-up on XP platforms due to technical implications. Please find the list of all supported operating systems on Installing the E2E Bridge .																
5.1.45.1	You have to enable JavaScript in the browser to manage the Bridge.																
5.1.40.2	Performing a GUI-less installation (Unix systems only), the settings console.ip.address and console.hostname are now mandatory. It is necessary that you edit your existing guilessinstaller.properties file before making an update installation. If you don't specify these settings, you will get additional node instances and proxy nodes and won't be able to deploy services anymore. For more information on GUI-less installation refer to Gui-less Installation of the BRIDGE .																

- Bridge 5.1.50.0 (16.01.2015)
- Bridge 5.1.49.6 (15.12.2014)
- Bridge 5.1.49.4 (24.11.2014)
- Bridge 5.1.49.3 (14.11.2014)
- Bridge 5.1.49.2 (05.09.2014)
- Bridge 5.1.49.1 (27.08.2014)
- Bridge 5.1.49.0 (07.08.2014)
- Bridge 5.1.48.8 (17.07.2014)
- Bridge 5.1.48.7 (14.07.2014)
- Bridge 5.1.48.6 (11.07.2014)
- Bridge 5.1.48.5 (09.07.2014)
- Bridge 5.1.48.4 (06.06.2014)
- Bridge 5.1.48.3 (30.04.2014)
- Bridge 5.1.48.2 (29.04.2014)
- Bridge 5.1.48.1 (29.04.2014)
- Bridge 5.1.48.0 (28.04.2014)
- Bridge 5.1.47.2 (21.03.2014)
- Bridge 5.1.47.1 (14.03.2014)
- Console 5.1.47.0 (04.03.2014)
- Console 5.1.46.0 (24.02.2014)
- Console 5.1.45.1 (11.12.2013)
- Console 5.1.44.2 (15.11.2013)
- Console 5.1.44.1 (01.11.2013)
- Console 5.1.44.0 (28.10.2013)
- Console 5.1.43.1 (17.10.2013)
- Console 5.1.43.0 (02.10.2013)
- Console 5.1.42.4 (19.09.2013)
- Console 5.1.42.3 (10.09.2013)
- Console 5.1.42.2 (08.08.2013)
- Console 5.1.42.1 (07.08.2013)
- Console 5.1.42.0 (06.08.2013)
- Console 5.1.41.1 (05.10.2013)
- Console 5.1.41.0 (05.06.2013)
- Console 5.1.40.2 (15.05.2013)
- Console 5.1.40.1 (06.05.2013)
- Console 5.1.40.0 (02.05.2013)
- Console 5.1.39.6 (18.04.2013)
- Console 5.1.39.5 (20.03.2013)
- Console 5.1.39.4 (14.03.2013)

Bridge 5.1.67 (12.11.2018)

Contains xUML Runtime Version: [2018.11](#)

Bug	Description
CON-1414	Changed setting variables are not deployed from model setting to service setting
CON-1608	Update apparently mixes up user roles
CON-1612	Show warning if global variable is not set
Improvement	Description
CON-1354	Create a backup of roles.xml during update
CON-1614	Update Java to 8 Update 192

Bridge 5.1.66 (23.08.2018)

Contains xUML Runtime Version: [2018.10](#)

Bug	Description
CON-1445	If setting is changed to a global setting <code>{{globalSetting}}</code> , it is not added to the history
CON-1451	IE11 must not cache Node.js Settings changes
CON-1527	Installer: File <code>/etc/init.d/e2e_console</code> gets overwritten on multiple installations
CON-1535	Cannot deploy Node Service twice under different name depending on Service Owner
CON-1536	Category view does not show contained services
CON-1539	List of xUML services: auto-refresh works only once
CON-1554	Auto refresh on category with special characters does not work
CON-1568	Bridge API can't be opened

Bridge 5.1.65 (28.02.2018)

Contains xUML Runtime Version: [2018.10](#)

Bug	Description
CON-1394	Automatic startup of services stops, when a service is said as "already running"
CON-1433	PersistentStateObjectParser doesn't coalesce adjacent character data

Bridge 5.1.64 (18.12.2017)

Contains xUML Runtime Version: [2018.3](#)

Bug	Description
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- Console 5.1.39.3 (19.02.2013)
- Console 5.1.39.2 (07.02.2013)
- Console 5.1.39.1 (09.01.2013)
- Console 5.1.39.0 (26.10.2012)
- Console 5.1.38 (12.10.2012)
- Console 5.1.37 (04.10.2012) only Solaris-Sparc
- Console 5.1.36 (01.10.2012)
- Console 5.1.35 (25.09.2012)
- Console 5.1.34 (16.08.2012)
- Console 5.1.32 (18.05.2012) only Solaris x86
- Console 5.1.31 (16.05.2012)
- Console 5.1.30 (15.05.2012)
- Console 5.1.29 (07.05.2012)
- Console 5.1.28 (27.03.2012)
- Console 5.1.27 (21.02.2012)
- Console 5.1.25 (15.02.2012)
 - Which JRE Version to use for the Installation of the E2E Console?
- Console 5.1.24 (20.01.2012)
- Console 5.1.23 (14.12.2011)
- Console 5.1.22 (09.11.2011)
- Console 5.1.21 (19.08.2011)
- Console 5.1.20 (04.08.2011)
- Release Notes of the E2E Console up to Version 5.1.19

CON-1365	Bridge API: Some status of xUML service are not mapped to REST status ("Running", "Stopped")
CON-1372	Unrestricted permissions for viewing / canceling of running sessions
CON-1374	Put /services/java nodejs/{name}/preferences does not store the changed values
CON-1376	Use JRE 8 Update 152 for Java adapter
CON-1388	After redeploying a Java Service still the old version of the service is started
CON-1400	Bridge API: xUML - Authorization of PUT requests fails for role "MODELER"
Improvement	Description
CON-1389	Update Node.js to version 6 (Boron) - 6.10.3

Bridge 5.1.63 (31.10.2017)

Contains xUML Runtime Version: [2017.8](#)

Improvement	Description
CON-1371	Installer: Update JRE 8 Update 152

Bridge 5.1.62 (24.10.2017)

Contains xUML Runtime Version: [2017.8](#)

Bug	Description
CON-1337	Can not expand single REST operation from Bridge API
CON-1343	Installer: Show error if installer is started without administrator privileges
CON-1361	Could not delete instance
New Feature	Description
CON-1328	JMS provider: IBM MQ Client 9
Improvement	Description
CON-1338	Remove Solaris-x86 support

Bridge 5.1.61 (28.07.2017)

Contains xUML Runtime Version: [2017.5](#)

Bug	Description
CON-952	Error message "Object doesn't exist." if persistent state object is too big
CON-1332	Custom UI is broken if HTML uses <base href="...">
CON-1333	Duplicate ReaderInputStream class (ant_complete and ant package)
Improvement	Description
CON-1325	Bridge API 2.3.0: Read and update Node.js service configuration (config.json)

CON-1331	Installer: xUML Runtime 2017.5
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Bridge 5.1.59 (18.04.2017)

Contains Embedded Runtime Version: [2017.2](#)

Windows Vista not supported anymore

Starting from Runtime version [2017.2](#), Windows Vista is not supported anymore. Please find the list of all supported operating systems on [Bridge Installation Guide](#).

Bug	Description
CON-1070	History shows strange value of the settings
CON-1260	REST resource /services/xuml/{name}/settings (PUT) error handling (semver-minor)
CON-1273	Rules for "Setting Variables" missing
CON-1279	DateTimeParseException in "Proxy Services - Logging"
CON-1282	Installer: Can't start xUML services containing Java adapters after Console update
CON-1285	Testing of REST service in Console not possible
CON-1286	Typo in roles.xml
CON-1290	Flaw in xUML, Node.js and Java services History tab
CON-1294	Typo in error message
CON-1296	Error when trying to access "Logging" tab
CON-1300	"overwrite_proxy_configuration=false" prevents updating of proxy start/stop scripts
CON-1305	Sorting of File Date and File Size of resources works wrong
CON-1309	Console can not stop a service
New Feature	Description
CON-977	As admin user I want to download service resource files in order to inspect SQLite db content
CON-1053	Support multiple instances of a Node.js service
CON-1263	Possibility to download resource files
CON-1268	Add "Model Notes" and "Description" fields to Service page in Console
Improvement	Description
CON-1184	Performance improvement in case of single node instance
CON-1254	Installer: Improve text alignment in Console installer (first and last screen)
CON-1291	Version number with three digits 6.0.x

Bridge 5.1.58.1 (12.01.2017)

Contains xUML Runtime Version: [2016.9](#)

Bug	Description
CON-1280	Absolute URL defeats proxying of the Console / Tomcat

Bridge 5.1.58.1 (12.01.2017)

Contains xUML Runtime Version: [2016.9](#)

Bug	Description
CON-1280	Console: Absolute URL defeats proxying of the Console / Tomcat

Bridge 5.1.57.4 (30.11.2016)

Contains xUML Runtime Version: [2016.9](#)

Bug	Description
CON-1257	Console: Bottom of Iframes is cut off
CON-1259	Console: REST resource /services/xuml/{name}/settings (PUT) not working properly

Bridge 5.1.57.3 (16.11.2016)

Contains xUML Runtime Version: [2016.9](#)

Bridge 5.1.57.2 (14.11.2016)

Contains xUML Runtime Version: [2016.8](#)

Improvement	Description
CON-1244	Console: Link to Bridge API description (Open API file)
CON-1253	Console: Bridge API version 2.0.0

Bridge 5.1.57.1 (08.11.2016)

Contains xUML Runtime Version: [2016.8](#)

Bug	Description
CON-1154	Console: Runtime upload fails if file to be uploaded is located in temporary directory
CON-1194	Console: Display persistent state timestamps in local time
CON-1201	Console: Null Pointer Exception on Persistent State Tab (introduced 5.1.55.1)
CON-1204	Console: Custom UI of Node.js service is not displayed correct (e2e-dashboard-ui)
CON-1216	Console: "Reset filter" by Persistent state search does not reset "Show objects" filter
CON-1240	Console: Status page: only one service call is displayed

CON-1241	Console: Persistent state object page: remove additional ">" in states table
CON-1245	Console: Bridge API: Return types are incorrect in Open API file
CON-1249	Console: Bridge API: put preferences must ignore owner
CON-1251	Can not display hourly transaction logs
Improvement	Description
CON-1214	Console: Keep upload settings if upload fails
CON-1215	Console: Missing notification after successful deployment
CON-1217	Console: Mark buttons to send signals to an object as such.
CON-1220	Installer: Remove UTC/local time option from installer
CON-1222	Console: Bridge API: display Bridge API version on Preferences page
CON-1223	Console: Add Runtime - System Information to Preferences - Overview
CON-1225	Console: Secure asynchronous trace without VPN (Console part)
CON-1228	Console: New E2E Logo
CON-1234	Improve text alignment in Console installer
CON-1238	Console: REST services: Display a link to the YAML file on the main service page
CON-1247	Console: Bridge API: add self link to xUML service resource

Bridge 5.1.56.2 (05.08.2016)

Contains xUML Runtime Version: [2016.5](#)

Bug	Description
CON-1210	Logging tab on node instance: oldest log displayed
CON-1218	Windows 10: Installer hangs after user dialog

Bridge 5.1.56.1 (03.08.2016)

Contains xUML Runtime Version: [2016.5](#)

Bug	Description
CON-1157	Console: Atomic write of property files
CON-1162	Console: Global Settings must be the first setting group
CON-1166	Console: Console doesn't show all service settings as defined in UML model
CON-1169	Console: Swagger UI for REST ports doesn't work anymore
CON-1171	Console: UI tab of Java/Node.js Services does not work
CON-1172	Console: Changed setting values are missing in service export and import (introduced 5.1.55.1)
CON-1177	Console: Console doesn't accept settings with Umlauts (ä,ö,ü, etc).
CON-1178	Console: Umlauts not properly displayed in UI
CON-1185	Console: Security: Cross-Site Scripting: Reflected
CON-1187	Console: Security: Cross-Frame Scripting

CON-1193	Console: REST Test Tool (swagger) has no Content-Type
CON-1196	Console: Security: Privacy Violation: Autocomplete
CON-1204	Console: Custom UI of Node.js service is not displayed correct (e2e-dashboard-ui)
CON-1207	Installer: guiless parameter is ignored in CLI
Improvement	Description
CON-1056	Console: Update Node.js to 4.x long-term support (LTS) release
CON-1113	Console: Deployment Node.js: execute "npm install"
CON-1147	Console: Bridge log improvement
CON-1150	Console: Log Bridge user changes
CON-1151	Console: Log user log-in
CON-1173	Installer: Validation of properties in "guiless" installation
CON-1174	Console: Display service name for REST API
CON-1179	Console: Node.js 4.4.6
CON-1200	Console: Security: Transport Layer Protection: Update Console SOAP client to use TLS 1.2
New Feature	Description
CON-988	Console: Bridge API: Offer REST API for important functions

Bridge 5.1.55.2 (02.05.2016)

Contains xUML Runtime Version: [2016.3](#)

Migration Notes

The following migration notes apply to the Bridge running on **Linux** or **Solaris**, and **Apache proxy**.

- If you are running your proxy with **sudo**, change the sudo configuration as described in [Changing the Proxy Service Preferences](#). Otherwise the proxy will not start!

```
ol d: <your Bridge user> ALL = (root:<name of the group>) NOPASSWD:
      SETENV:/opt/e2e_Bridge_prog/apache-2.2.XX/<platform/bin/httpd

n e <your Bridge user> ALL = (root:<name of the group>) NOPASSWD:
w: SETENV:/opt/e2e_Bridge_prog/apache-2.2.31/<platform>/bin/httpd
```

- If the Bridge and the proxy run as user root, the proxy will use a user and a group for his work processes. The default for the user is **nobody** and for the group **nogroup**. If you want to use another user or group, you can change it as described in [Changing the Proxy Service Preferences](#). If you have no user nobody or no group nogroup the proxy will not start after upgrade.
- If you use Apache directives in your service configurations, you have to load the modules in the local Apache configuration as described in [Changing the Local Apache Configuration](#).

```
LoadModule auth_basic_module modules/mod_auth_basic.so
LoadModule authn_file_module modules/mod_authn_file.so
LoadModule authz_user_module modules/mod_authz_user.so
```

Bug	Description
CON-1129	Console: UI tab of Java Services does not work

Improvement	Description
CON-1132	Console: Unix: Running proxy as root needs user "nobody" and group "nogroup"
CON-1141	Console: Apache proxy: load authentication modules on all platforms

Bridge 5.1.55.1 (08.04.2016)

Contains xUML Runtime Version: [2016.3](#)

Bug	Description
CON-1068	Installer: Installation on Windows Server 2008 fails
CON-1079	Installer: Bridge Installation fails on Windows Server 2012 R2 with BuildException
CON-1083	Console: Resource leak (open socket) if ping throws an exception
CON-1087	Installer: Node.js: Settings Tab does not appear
CON-1094	Console: Deployment of Java service fails
CON-1107	Console: Automatic startup of Java services is broken
Improvement	Description
CON-810	Console: Make possible to select persistent state objects to be deleted in one step
CON-1048	Console: Support xUML repository format from Builder 5.1.17.1
CON-1055	Installer: Windows 10: Make installer window resizable
CON-1073	Installer: Update Apache HTTP Server to 2.2.31
CON-1077	Installer: Update Apache Tomcat to 8.0.29
CON-1092	Console: Make it possible to edit Node.js settings when service is running
CON-1112	Installer: update commons-codec to version 1.10 (can be used by xUML services with Java adapter)
CON-1119	Installer: Update Java RE to 8u77
New Feature	Description
CON-1018	Console: Display REST documentation and REST test client
CON-1057	Installer: Oracle NLS_LANG for Windows
CON-1058	Console: Allow to deactivate any type of frontend service of xUML services
CON-1105	Console: Prevent automatic service startups when patching server

Bridge 5.1.54.4 (10.11.2015)

Contains Embedded Runtime Version: [2015.17](#)

Bug	Description
CON-1063	Console: Found objects which are stalled in a state

Bridge 5.1.54.2 (16.10.2015)

Contains Embedded Runtime Version: [2015.15](#)

Bug	Description
CON-1014	Console: Date missing in Node.js service logfile name
CON-1042	Console: Node.js Service Settings do not support Arrays
New Feature	Description
CON-1052	Console: Make shut down operation time configurable
CON-1057	Installer: Oracle NLS_LANG for Windows

Bridge 5.1.54.1 (23.09.2015)

Contains Embedded Runtime Version: [2015.14](#)

Bug	Description
CON-1033	Console: Can not connect to Console with browser or deploy with MagicDraw after update (introduced 5.1.53.0)

Bridge 5.1.54.0 (21.09.2015)

Delete file **e2e_Bridge_prog/servlets/server.xml** before you update an existing Bridge to this version. Otherwise you can not connect to the Bridge with a browser and you can not deploy service repositories from MagicDraw.
Refer to [Troubleshooting Bridge Installation](#) if you run into problems after applying the update.

Contains Embedded Runtime Version: [2015.14](#)

Bug	Description
CON-1002	Installer: Bridge won't install on Solaris 11
CON-1045	Console: Cannot renew Console certificate
CON-1047	Console: Cannot upload xUML Runtime packages on Solaris 11
CON-1049	Console: Update Java RE to 8u60

Bridge 5.1.53.3 (31.07.2015)

Delete file **e2e_Bridge_prog/servlets/server.xml** before you update an existing Bridge to this version. Otherwise you can not connect to the Bridge with a browser and you can not deploy service repositories from MagicDraw.
Refer to [Troubleshooting Bridge Installation](#) if you run into problems after applying the update.

Contains xUML Runtime Version: [2015.11](#)

Improvement	Description
CON-1013	Console: Node.js: Environment variable E2E_LOGS for log directory

Bridge 5.1.53.2 (30.07.2015)

Contains xUML Runtime Version: [2015.11](#)

Bug	Description
CON-1029	Console: Strange date-values in the date combobox when trying to view logfiles
CON-1034	Console: Windows: UNC path for e2e_Bridge_data: Bridgeserver.log is missing

Bridge 5.1.53.1 (22.07.2015)

Contains xUML Runtime Version: [2015.11](#)

Bug	Description
CON-972	Installer: Bridge Installer should run in a JRE 64-bit environment
CON-1007	Console: Console error logs are messy (introduced 5.1.51.1)
CON-1025	Installer: Windows 32-bit: Can not start Bridge
Improvement	Description
CON-987	Console: Upgrade Tomcat to version 8
CON-1005	Console: Allow bigger uploads
CON-1024	Installer: Update Node.js to version 0.10.40
CON-1028	Installer: Update JRE to version 8 update 51

Bridge 5.1.53.0 (03.07.2015)

Contains xUML Runtime Version: [2015.10](#)

Bug	Description
CON-1011	Console: Node.js: NullPointerException when overwriting service
CON-1015	Console: Superfluous line on Resource tab
CON-1016	Console: Bridge should run under a Linux "system" user too
CON-1017	Console: Wrong destination in proxy deployment

Bridge 5.1.52.6 (18.06.2015)

Starting with this Bridge version the Bridge needs Java 8 for installation.

Contains xUML Runtime Version: [2015.7](#)

Improvement	Description
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CON-986	Console: Update JRE to 1.8
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Bridge 5.1.52.5 (24.03.2015)

Contains xUML Runtime Version: [2015.6](#)

Bug	Description
CON-993	Console: Some special Characters not supported in Settings
CON-1003	Console: Node.js: Local configuration is removed during deployment
Improvement	Description
CON-1004	Console: Environment variable E2E_CONF_ROOT for Node.js services

Bridge 5.1.52.3 (24.03.2015)

Contains xUML Runtime Version: [2015.3](#)

Improvement	Description
CON-997	Console: Upgrade Node.js to v0.10.38

Bridge 5.1.52.2 (20.03.2015)

Contains xUML Runtime Version: [2015.3](#)

Bug	Description
CON-875	Console: Node.js: Define CONFIG_DIR environment variable
CON-984	Installer: Can't run node.js services on linux-x86 console
CON-992	Console: User without necessary rights can see Node.js service settings
Improvement	Description
CON-983	Console: Upgrade Node.js to v0.10.37

Bridge 5.1.52.1 (12.03.2015)

Contains xUML Runtime Version: [2015.2](#)

This build includes the new SAPNW library.

Services connecting SAP systems have to be adapted to work with the new SAP Adapter. Please refer to [Migrating SAP Services to SAP NetWeaver](#) for a summary of all necessary migration activities.

Bridge 5.1.52.0 (11.03.2015)

Contains xUML Runtime Version: [2015.2](#)

Bug	Description
CON-875	Console: Node.js: Define CONFIG_DIR environment variable
CON-966	Console: Exit status of startup script e2e_console (Linux only)
CON-978	Console: Proxy: Save and Check Syntax gives warning
CON-980	Console: Wrong service highlighted in tree
Improvement	Description
CON-981	Console: Configure transaction log rotation interval to daily or hourly
CON-982	Console: Display custom log files
New Feature	Description
CON-876	Console: Node.js: Show PORT and CONFIG_DIR on Node.js Service page

Bridge 5.1.51.2 (26.02.2015)

Contains xUML Runtime Version: [2015.2](#)

Bug	Description
CON-960	Console: Apache proxy: SSL connection fails
CON-979	Console: Console should communicate errors to the caller
Improvement	Description
CON-943	Console: Security vulnerability: Use TLS between browser and E2E Bridge instead of SSLv3
CON-974	Console: Security vulnerability: Apache proxy: Information disclosure in HTTP response
CON-975	Console: Security vulnerability: Apache proxy: disable SSLv2 and SSLv3 support
CON-976	Console: Security vulnerability: Apache proxy: disable weak cipher suites

Bridge 5.1.51.0 (09.02.2015)

Contains xUML Runtime Version: [2015.1](#)

Bug	Description
CON-939	Console: Copy of setting values does not work with Firefox and IE
CON-967	Console: persistent state objects are not visible when service is not running
CON-969	Console: Dump file list shows name of latest dump file in column "File Date"
New Feature	Description
CON-889	Console: Easy Node.js service configuration

Bridge 5.1.50.0 (16.01.2015)

Contains xUML Runtime Version: [2014.19](#)

Bug	Description
CON-961	Installer: Startup Error with JMS
CON-962	Console: Result of startup script e2e_console status (Linux only)

Bridge 5.1.49.6 (15.12.2014)

Contains xUML Runtime Version: [2014.19](#)

sudo Configuration

If you are running your proxy with **sudo**, change the sudo configuration as described in [Changing the Proxy Service Preferences](#). Otherwise the proxy will not start!

ol d:	<your Bridge user> ALL = (root:<name of the group>) NOPASSWD: SETENV: /opt/e2e_Bridge_prog/apache-2.2.27/<platform/bin/httpd
n e w:	<your Bridge user> ALL = (root:<name of the group>) NOPASSWD: SETENV: /opt/e2e_Bridge_prog/apache-2.2.29/<platform>/bin/httpd

Bug	Description
CON-946	Console: Proxy not starting
Improvement	Description
CON-956	Console: Update Apache HTTP Server (proxy) to version 2.2.29

Bridge 5.1.49.4 (24.11.2014)

Contains xUML Runtime Version: [2014.18](#)

Bug	Description
CON-947	Console: DataTables warning with new sortable tables in PState tab
CON-955	Console: Console Settings not shown and not changeable
Improvement	Description
CON-950	Console: Restore table state on page reload

Bridge 5.1.49.3 (14.11.2014)

Contains xUML Runtime Version: [2014.18](#)

Bug	Description
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CON-861	Console: Settings can't be set when using single quotes
CON-928	Console: Make tables sortable
CON-944	Console: Action of changed settings not shown on History tab
Improvement	Description
CON-941	Console: Add Bridge user as parameter to control port requests
New Feature	Description
CON-546	Console: SendSignal via Console

Bridge 5.1.49.2 (05.09.2014)

Contains xUML Runtime Version: [2014.16](#)

Windows XP not supported anymore

Starting from Runtime version [2014.16](#), Windows XP is not supported anymore. xUML services will not start-up on XP platforms due to technical implications.
Please find the list of all supported operating systems on [Installing the E2E Bridge](#).

Bug	Description
CON-934	Console: Solaris: Can not start Apache proxy: missing libgcc_s.10.1
CON-935	Console: Solaris 10: Can not start Apache proxy: syntax error startup script
CON-936	Console: Solaris 10: Can not start Apache proxy: wrong group id
CON-937	Console: Solaris 10: Runtime does not start when MySQL library is set in preferences

Bridge 5.1.49.1 (27.08.2014)

Contains xUML Runtime Version: [2014.15](#)

Bug	Description
CON-675	Console: Error raised when searching for invalid ps key in console
CON-686	Console: Hanging services are not reported by the monitoring service
CON-929	Console: Tomcat certificate creation fails if hostname is longer than 64 characters
Improvement	Description
CON-839	Console: Unlimited strength Java cryptography
CON-930	Installer: Allow underscore in Bridge hostname

Bridge 5.1.49.0 (07.08.2014)

Contains xUML Runtime Version: [2014.14](#)

Improvement	Description
CON-931	Console: Support JMS provider ActiveMQ 5.10.0

CON-932	Console: Support JMS provider ActiveMQ 5.9.1
CON-933	Console: Support for Java adapter commons-codec.jar

Bridge 5.1.48.8 (17.07.2014)

Contains xUML Runtime Version: [2014.14](#)

Bug	Description
CON-879	Console: Console should return error when trying to start service as not logged-in user
Improvement	Description
CON-921	Console: Allow to specify separate Java preferences for Java services
New Feature	Description
CON-926	Console: Support Java Service debugging

Bridge 5.1.48.7 (14.07.2014)

Contains xUML Runtime Version: [2014.13](#)

Bridge 5.1.48.6 (11.07.2014)

Contains xUML Runtime Version: [2014.12](#)

Bug	Description
CON-924	Installer: Default Path to Java is wrong

Bridge 5.1.48.5 (09.07.2014)

Contains xUML Runtime Version: [2014.12](#)

Bug	Description
CON-903	Console: Some Console layout issues
CON-917	Console: Layout Error for Internet Explorer
CON-919	Console: Navigation tree behaves randomly
CON-920	Console: Node.js UI proxy double-encodes query string

Bridge 5.1.48.4 (06.06.2014)

Contains xUML Runtime Version: [2014.11](#)

Bug	Description
CON-877	Console: Node.js: Log has too many timestamps
CON-880	Console: JavaScript error: TypeError: \$(...).offset(...) is null
CON-886	Console: Support http redirect in embedded UI
CON-904	Console: Error message is hidden under Bridge element
CON-908	Console: Java Service: embedded UI does not work
CON-911	Console: Cannot copy and paste encrypted certificate signing request
CON-912	Console: Page title corrupt if node is not running
CON-914	Console: Heading in Preferences tab of xUML services not correct
CON-916	Console: Original setting values can be overwritten
CON-917	Console: Layout Error for InternetExplorer
Improvement	Description
CON-892	Console: Rework Runtime page (was firmware page)
New Feature	Description
CON-882	Console: Monitoring Node.js: stderr should cause calling the monitoring service
CON-884	Console: Monitoring Node.js: JSON error service
Task	Description
CON-913	Installer: Update Version Infos in SAP SLD registration

Bridge 5.1.48.3 (30.04.2014)

Contains xUML Runtime Version: [2014.9](#)

Improvement	Description
CON-901	Console: Display domain name in node instances overview

Bridge 5.1.48.2 (29.04.2014)

Contains xUML Runtime Version: [2014.9](#)

Bug	Description
CON-900	Console: Tree navigation has layout issues

Bridge 5.1.48.1 (29.04.2014)

Contains xUML Runtime Version: [2014.9](#)

Improvement	Description
CON-890	Installer: Changing names to be consistent to the new E2E Bridge concept

New Feature	Description
CON-891	Console: Basic support for Java services

Bridge 5.1.48.0 (28.04.2014)

Contains xUML Runtime Version: [2014.9](#)

Bug	Description
CON-863	Console: Modernize Console UI
CON-893	Installer: Update installation does not work
Improvement	Description
CON-890	Console: Changing names to be consistent to the new E2E Bridge concept
CON-896	Console: Apache Proxy httpd 2.2.27 using OpenSSL 1.0.1g
CON-899	Installer: New installer name: E2EBridgeServerInstaller-*.jar -> E2EBridgeInstaller-*.jar
New Feature	Description
CON-874	Console: Add links to E2E homepage and Docu

Bridge 5.1.47.2 (21.03.2014)

Contains xUML Runtime Version: [2014.6](#)

Bug	Description
CON-883	Console: Node.js: Embedded UI could not execute PUT requests

Bridge 5.1.47.1 (14.03.2014)

Contains xUML Runtime Version: [2014.6](#)

Bug	Description
CON-862	Console: Embedding Node.js UIs in the Console
CON-863	Console: Modernize Console UI
CON-871	Console: Overriding a running node package doesn't stop the old instance
CON-872	Console: Node.js deployment: Preferences are lost if you overwrite an existing service

Console 5.1.47.0 (04.03.2014)

Contains xUML Runtime Version: [2014.4](#)

Bug	Description
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CON-861	Console: Settings can't be set when using single quotes
New Feature	Description
CON-852	Console: Store Apache log files with non-root ownership
CON-841	Console: Enable starting a proxy on Unix for ports below/equal 1024 for non-root users

Console 5.1.46.0 (24.02.2014)

Contains xUML Runtime Version: [2014.3](#)

Bug	Description
CON-593	Console: download error dump files does not work
CON-816	Console: Sorting of Bridge-Server log entries
CON-840	Console: Apache Config Template for Proxy - Syntax Error
CON-850	Console: User rights are not checked correctly on Node.js services
Improvement	Description
CON-851	Console: Improve the handling of environment variables for Node.js services
CON-854	Console: Nodejs logs: add the date and time
CON-857	Console: Name of Bridge service log file download
New Feature	Description
CON-847	Console: Log embedded UI (proxy) requests
CON-849	Console: Allow Node.js logs to be downloaded

Console 5.1.45.1 (11.12.2013)

Contains xUML Runtime Version: [2013.5](#)

Browser Requirement

You have to enable JavaScript in the browser to manage the E2E Console.

Feature	Description
CON-832	Console: Manage Node.js services

Console 5.1.44.2 (15.11.2013)

Contains xUML Runtime Version: [2013.5](#)

Bug	Description
CON-811	Console: Show object fields: set to a value does not work with return
CON-813	Console: Persistent state object filter gets reset after ps object deletion

CON-821	Console: Filtering "--8<--" States causes exceptions
CON-826	Console: Service with setting variables does not start
CON-829	Console: Changing settings with umlauts in the key does not work (introduced 5.1.42.3)
CON-830	Console: Typo in Console error message
CON-834	Console: Overall Settings not recognized when set in model

Console 5.1.44.1 (01.11.2013)

Contains xUML Runtime Version: [2013.4](#)

Console 5.1.44.0 (28.10.2013)

Contains xUML Runtime Version: [2013.2](#)

Bug	Description
CON-809	Installer: Windows installation stops with AntBuildException, problem with xcacsl.exe command
CON-815	Console: Windows: Managing persistent state if service is stopped does not work (introduced 5.1.42.3)
CON-822	Console: Errors in Bridge-Log after deploying a service repository
CON-824	Installer: You can't change windows service user or password
CON-825	Console: Windows Console update fails accessing cronolog-win32-64.exe

Console 5.1.43.1 (17.10.2013)

Contains xUML Runtime Version: [2013.2](#)

Bug	Description
CON-764	Installer: Update installation: E2E service defined to start as domain user is not effective
CON-807	Console: Settings drop down not visible when having long text snippets
CON-814	Console: Value "\" gets destroyed in console settings (introduced 5.1.42.0)
CON-817	Installer: New installation fails
CON-818	Installer: Incorrect default values for Windows account (introduced 5.1.43.0)
CON-819	Console: Setting variables does not work with IE 8

Console 5.1.43.0 (02.10.2013)

Contains xUML Runtime Version: [2013.2](#)

Bug	Description
CON-804	Installer: Update without data-directory does not work (introduced 5.1.39.6)
CON-805	Console: Setting Variables: Focus on wrong navigation item

Console 5.1.42.4 (19.09.2013)

Contains xUML Runtime Version: [2013.2](#)

Bug	Description
CON-795	Console: Deployment of repositories containing umlauts throws xerces exception

Console 5.1.42.3 (10.09.2013)

Contains xUML Runtime Version: [2013.1](#)

Bug	Description
CON-778	Console: Umlauts in timer names have strange results: the services are not displayed anymore in the console.
CON-801	Console: Sometimes the start service does not return in time
CON-802	Console: After an update the Windows service does not start after booting

Console 5.1.42.2 (08.08.2013)

Contains xUML Runtime Version: [5.1.92.3](#)

Bug	Description
CON-790	Installer: Creation of Proxy certificate failed and no access and error log (introduced 5.1.39.6)
CON-784	Installer: Wrong system user after update (introduced 5.1.39.6) You will get asked for the system user during update.
New Feature	Description
CON-495	Installer: Creates log file [user.home]/.e2ebuilder/console.install.log

Console 5.1.42.1 (07.08.2013)

Contains xUML Runtime Version: [5.1.92.3](#)

Console 5.1.42.0 (06.08.2013)

Contains xUML Runtime Version: [5.1.92.3](#)

Bug	Description
CON-618	Installer: Console Installer: Various problems
CON-773	Console: After gui-less update cannot manage server domain
CON-783	Console: Disable WSDL links when service is stopped
Improvement	Description
CON-774	Console: Make it possible to renew Console certificate
New Feature	Description
CON-642	Console: Make it possible to renew proxy certificate
CON-756	Console: Identical Settings for multiple E2E Services on one Console: Central Management
CON-760	Console: Simplify start URL for console
CON-772	Console: Do version number check in the console while uploading the license

Console 5.1.41.1 (05.10.2013)

Contains xUML Runtime Version: [5.1.91.1](#)

Console 5.1.41.0 (05.06.2013)

Contains xUML Runtime Version: [5.1.90.1](#)

Bug	Description
CON-771	Installer: Server Installer 6.0, Linux: Get a shadow node after gui-less server upgrade
New Feature	Description
CON-770	Installer: Console Installer for Ubuntu

Console 5.1.40.2 (15.05.2013)

Contains xUML Runtime Version: [5.1.90.1](#)

Performing a GUI-less installation (Unix systems only), the settings **console.ip.address** and **console.hostname** are now mandatory. It is necessary that you edit your existing **guilessinstaller.properties** file before making an update installation. If you don't specify these settings, you will get additional node instances and proxy nodes and won't be able to deploy services anymore. For more information on GUI-less installation refer to [Gui-less Installation of the BRIDGE](#).

New Feature	Description
CON-759	Console: Allow canceling a hanging SOAP/URL adapter call in Console

Console 5.1.40.1 (06.05.2013)

Contains xUML Runtime Version: [5.1.90.0](#)

New Feature	Description
CON-620	Console: Get rid of .e2econsole

Console 5.1.40.0 (02.05.2013)

Contains xUML Runtime Version: [5.1.90.0](#)

Bug	Description
CON-762	Console: Start proxy log is not shown in proxy logging tab
New Feature	Description
CON-759	Console: Allow canceling a hanging SOAP/URL adapter call in Console

Console 5.1.39.6 (18.04.2013)

Contains xUML Runtime Version: [5.1.88.2](#)

Performing a GUI-less installation, the settings **console.ip.adress** and **console.hostname** are now mandatory. It is necessary that you edit your existing **guilessinstaller.properties** file before making an update installation. If you don't specify these settings, you will get additional node instances and proxy nodes and won't be able to deploy services anymore. For more information on GUI-less installation refer to [2019-02-11_14-13-21_GUI-less Installation of E2E Server 5.1](#).

Bug	Description
CON-757	Console: Displays error (SOAPException: Java heap space) if persistent state object is to big
CON-758	Installer: New installation with usage of existing data folder does not work
New Feature	Description
CON-726	Installer: Add Configuration for Oracle access to Installer for Unix

Console 5.1.39.5 (20.03.2013)

Contains xUML Runtime Version: [5.1.87.0](#)

Bug	Description
CON-753	Console: Deployment fails (problem with temp directory)

Console 5.1.39.4 (14.03.2013)

Contains xUML Runtime Version: [5.1.86.0](#)

New Feature	Description
CON-673	Console: Search for PS objects applying wildcards to the search keys

Console 5.1.39.3 (19.02.2013)

Contains xUML Runtime Version: [5.1.84.0](#)

Console 5.1.39.2 (07.02.2013)

Contains xUML Runtime Version: [5.1.82.4](#)(only Linux-64 has [5.1.83.0](#))

Bug	Description
CON-671	Console: Encoding in downloaded Persistent State object corrupt
New Feature	Description
CON-696	Console: Service history starts with latest entry
CON-710	Console: Highlight the origin of values defined in console settings

Console 5.1.39.1 (09.01.2013)

Contains xUML Runtime Version: [5.1.80.0](#)

Bug	Description
CON-699	Console: The deployment was slow if you modeled HTTP or SOAP proxies. It was especially slow if you have more than one proxy artifact. Now the performance should not differ if you use proxy or not.
Improvement	Description
CON-745	Console: To make it clear that mocked backends only work when tracing is enabled in Console. The label is now: Tracing and Mockups Enabled

Console 5.1.39.0 (26.10.2012)

Contains xUML Runtime Version: [5.1.75.0](#)

New Feature	Description
CON-652	Hanging states after failed completion events: notification and re-sending

Console 5.1.38 (12.10.2012)

Contains xUML Runtime Version:

- Runtime 5.1.73 - Linux, AIX, Solaris-x86, Windows 64 bit
- Runtime 5.1.73.2 - Solaris-Sparc
- Runtime 5.1.73.3 - Windows 32 bit

Fixed Bugd	Description
CON-724	Installation fails with logon as user and e2e_Bridge_prog directory with spaces
CON-689	Dump files not chronologically sorted

Console 5.1.37 (04.10.2012) only Solaris-Sparc

Contains xUML Runtime Version: [5.1.73.0](#)

Console 5.1.36 (01.10.2012)

Contains xUML Runtime Version: [5.1.73.0](#)

Fixed Bug	Description
CON-722	Asteriks (*) not allowed in password of User Logon installation mask
Change	Description
CON-721	Add platform behind Server info, not system info

Console 5.1.35 (25.09.2012)

Contains xUML Runtime Version: [5.1.73.0](#)

Fixed Bug	Description
CON-714	deployment without password returns better error message
Change	Description
–	Linux-64: Apache, OpenSSL and cronolog are now 64-bit executable

Console 5.1.34 (16.08.2012)

Contains xUML Runtime Version: [5.1.72.0](#)

Fixed Bug	Description
CON-708	Windows: Installation with domain user does not work
CON-702	could not start proxy The proxy certificate was missing. The bug affected Windows 64-bit and Linux 64-bit.

–	display owner ID of persistent state object on object page
CON-694	After updating a cluster installation without available data directory - the Console layout is broken because the CSS is not found - wrong additional Windows service "E2EConsole-" - the installation abort if you specify "Log on as user account". If fails to change the permission of the e2e_Bridge_data directory.
Change	Description
CON-666	remove release notes window from Console installer
–	E2E Console session timeout changed from 30 minutes to 24 hours
–	Windows services from version 3.6 will not be removed during upgrade
–	button text on settings page: Export as CSV (charset=CP1252)

Console 5.1.32 (18.05.2012) only Solaris x86

Contains xUML Runtime Version:5.1.70.0

Fixed Bug	Description
–	Solaris: Console starts not automatically after boot
–	Solaris: e2e_console.sh wrong path to whoami

Console 5.1.31 (16.05.2012)

Contains xUML Runtime Version: 5.1.70.0

Fixed Bug	Description
9926	Console Installer does now work with Java 7

Console 5.1.30 (15.05.2012)

Contains xUML Runtime Version: [5.1.69.0](#)

Console 5.1.29 (07.05.2012)

Contains xUML Runtime Version: 5.1.65002

Fixed Bug	Description
9850	Long running session threshold not correctly considered
9911	show error description displaying persistent state classes
–	overwrite old JAVA_HOME if upgrading from 32- to 64-bit on Windows
Change	Description
–	update JAVA_HOME during update installation

Feature	Description
9910	manage ownership of shared persistent state objects

Console 5.1.28 (27.03.2012)

Contains xUML Runtime Version: [5.1.64](#)

Fixed Bug	Description
9709	ConsoleFirmwareUploadServlet: IllegalArgumentException: InputStream cannot be null
–	fix ConcurrentModificationException in start.log related to BridgeInstanceStatus
Change	Description
9612	Remove Release Notes Window from Console Installer
–	add commons-pool.jar for JMS adapter
–	change default title to "Console"

Console 5.1.27 (21.02.2012)

Contains xUML Runtime Version: [5.1.61.0](#) (Windows 64-bit with UI)

Feature	Description
9138	Export settings of a service
6003	Insert Console Installer number into firmware page

Console 5.1.25 (15.02.2012)

Contains xUML Runtime Version: [5.1.61.0](#)

Which JRE Version to use for the Installation of the E2E Console?

JRE Version to Use for the Installation Since Console Installer 5.1.24

Platform	JRE Version
Windows	32-bit
all Unix platforms	32-bit or 64-bit

JRE Version to Use for Older Console Installers

Platform	JRE Version	Work around
Windows	32-bit	
Linux	32-bit	use JRE 64-bit with parameter -Dos.arch=i386
AIX	32-bit or 64-bit	
Solaris-x86	64-bit	use JRE 32-bit with parameter -Dos.arch=amd64
Solaris-SPARC	32-bit	use JRE 64-bit with parameter -Dos.arch=sparc

Fixed Bug	Description
9563	httpd.exe process memory consumption contiously rises
Feature	Description
8394	Make navigation pane resizable
9574	Replace all E2E product icons
9563	Apache HTTPD server: 2.2.22

Console 5.1.24 (20.01.2012)

Contains xUML Runtime Version: [5.1.60.0](#)

Feature	Description
–	Windows 64-bit (Runtime 5.1.58002) If you use SQL adapter you have to install 64-bit database client libraries. You can update an installation from 32-bit to 64-bit but then you have to manually change the JRE for the Java adapter in the preference page: C:\E2E_Bridge_PROG\j2re-1.6.30\win32-64
–	Preferences Oracle Adapter: support Oracle Instant Client The specified directory ORACLE_HOME is now also added to PATH. set PATH=%ORACLE_HOME%;%ORACLE_HOME%\bin;%PATH%
–	On Windows you can control the E2E Console Service with a new tool. Launch C:\E2E_Bridge_PROG\bin\le2econsolemgr.exe as administrator with one parameter in the form of //XX//ServiceName ServiceName This is e2econsole-FQDN. FQDN is the hostname you entered during installation and you see as node name in the E2E Console navigation tree. //ES Edit service configuration This is the default operation. It is called if the no option is provided. Starts the GUI application which allows the service configuration to be modified, started and stopped. //MS Monitor service Starts the GUI application and minimizes it to the system tray. //MR Monitor & run service Starts the GUI application and minimizes it to the system tray. Start the service if it is not currently running. //MQ Monitor Quit Stop any running monitor for the service.

Console 5.1.23 (14.12.2011)

Contains xUML Runtime Version: [5.1.58001](#)

Feature	Description
–	Linux 64-bit
9294	call monitoring service if transactions hangs

Console 5.1.22 (09.11.2011)

Contains xUML Runtime Version: 5.1.58001 Debug

Feature	Description
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9295	Display "hanging" Services
–	add WebSphere MQ 6 jar libraries

Console 5.1.21 (19.08.2011)

Contains xUML Runtime Version: [5.1.49](#)

Console 5.1.20 (04.08.2011)

Contains xUML Runtime Version: [5.1.48001](#)

Feature	Description
9135	Support one WSDL per service

Release Notes of the E2E Console up to Version 5.1.19

See [Release Notes E2E Console up to 5.1.19.txt](#) for the release notes of the E2E Console up to version 5.1.19.