

Quest® Stat® 6.1.0

Release Notes

October 2017

These release notes provide information about the Quest® Stat® release.

- [About Stat 6.1](#)
- [New features](#)
- [Enhancements](#)
- [Resolved issues](#)
- [System requirements](#)
- [Upgrade and compatibility](#)
- [Product licensing](#)
- [Upgrade and installation instructions](#)
- [Additional resources](#)
- [Globalization](#)
- [About us](#)
- [Third-party contributions](#)

About Stat 6.1

Quest® Stat® is a change lifecycle solution optimized for PeopleSoft® Enterprise and Oracle® E-Business Suite applications. Stat makes organizations more responsive to change and increases visibility into, and control over, the change management process. Stat dramatically reduces the time required to deploy patches and critical changes throughout the various instances of a packaged application, resulting in lower total cost of ownership.

New features

New features in Stat® 6.1.0:

- This release includes a 64-bit version of the Stat Windows Client.
- Stat supports PeopleTools 8.56.
- Users can now start and stop Oracle E-Business Agents from the Stat Client.
- Stat now provides the ability to run the Stat Windows Client from a single location.
- This release includes a Configuration Guide for new installations.
- Stat provides the ability to synchronize updated Workflow Rules with CSRs.

- Users can now process CSR Workflow Auto-Advance based on Migration, Patch Apply, or Task rules.

See also:

- [Enhancements](#)
- [Resolved issues](#)

Enhancements

The following is a list of enhancements implemented in Stat® 6.1.0.

Table 1. General enhancements

Enhancement	Issue ID
Enhanced Web Query settings	1665
Added ability to specify multiple values for OA_CUSTOM_OAF_DIR parameter	1898
Included Business Rule description in email	1903
Added option to automatically synchronize PeopleSoft object upgrade flags from Archive source environment	1904
Included Alt# field in the console view column list	1905
Added the ability to start and stop Oracle E-Business Agents from Stat Windows Client	1912
Added CSR Migration Path to Stat Web Client	1935
Added support for PeopleTools 8.56	1948
Delegated FTP, SFTP and SSH processing to Central Agent	2000
Added a Configuration Guide for new installations	2001
Allow any pre and post migration steps to be run against Distributed environments	2088
Added ability to download a file directly from Archive Set	2147
Provided a 64-bit Windows Client (Stat Client)	2186
Replaced SQL Server OLE DB connectivity with SQL Server Native Client	2188
Added a security right to allow Activate/Inactivate distributed databases in CSR Migration path	2272
Added user name to User Rights Assignment report	2283
Added ability for user to customize labels for Web Client	2286
Process CSR Workflow Auto-Advance based on Migration, Patch Apply, or Task rules	2311
Converted Oracle LONG and LONG RAW columns into CLOB and BLOB	2320
Updated icons in Windows Client	2324
Added ability to export data to PDF format	2406
Added ability to run Windows Client from a single location	2533
The PeopleSoft ODBC name can now be different from the actual database name	2556
Load AOL objects based on valid products in an environment	2576
Added ability to synchronize updated Workflow Rules with CSRs	2659
Added ability to configure VCM paths specific to each object type (Perforce and PVCS only)	2805

Resolved issues

The following is a list of issues addressed in this release.

Table 2. General resolved issues

Resolved Issue	Issue ID
Added additional fields to Patch Impact Report	1601
Fixed the issue encountered when selecting from the Release drop-down list in Mass migration	2083
Improved performance of CSR Unlock job	2084
Added a “What’s New” section to Help About for the Web Client	2144
Corrected an issue with Web Client encountered when the password contains special characters	2197
Improved readability for Customer Maintenance Window	2303
Stat ignores inactive user classes for user authentication	2309
Restored CSR Issues on Windows Client	2315
Removed Gantt tab from Project Window	2319
Fixed date format in server.log	2382
Fixed parsing issue with CUSTOM_PRODUCTS parameter in stat.conf	2395
Fixed the problem of deletion of Oracle E-Business custom objects	2397
Fixed the issue encountered when selecting a value from target drop-down list in Rapid Recovery	2403
Disable CSR sections links while user is editing CSR Tasks	2476
Fixed CSR object locking issue when user does not have access to one of the environments on CSR Migration Path	2479
Resolved issues with special characters in Apps password	2527
Fixed the issue with creation of new CSR from Template on IE11	2644
Improved performance for CSR Edit Window	2680
Improved performance for opening Workflow Maintenance Window	2681
Recover database environment connection after disruptions	2703
Improved performance when locking multiple objects in CSR	2756

System requirements

Before installing Stat[®] 6.1.0, ensure that your system meets the following minimum hardware and software requirements.

- [Stat Environment](#)
- [PeopleSoft Environment](#)
- [Oracle E-Business Suite Environment](#)
- [FTP, SSH Servers](#)
- [Upgrade and compatibility](#)

Stat Environment

Table 3. Supported Databases

Requirement	Details
DBMS	<p>Oracle® 11g and 12c (Unicode and non-Unicode support for all Oracle DBMS)</p> <p>NOTE: PeopleSoft® 8.54 and higher requires Oracle 64-bit client.</p> <p>NOTE: Oracle E-Business is only supported on an Oracle Stat® database.</p> <p>Microsoft® SQL Server® 2008, 2012, 2014, 2016 (Unicode and non-Unicode: ISO Character Set with Unicode collation. Database defined with BINARY collation)</p> <p>NOTE: If you are running Stat on Microsoft SQL Server and PeopleSoft is configured for Unicode operation, the Stat database must be as well.</p>
Minimum disk space	<p>Development database: 4 GB available disk</p> <p>Production database: 20 GB available disk (size can grow dramatically)</p>

Table 4. Stat Client

Requirement	Details
Operating System	<p>Windows® 7 (32-bit or 64-bit), Windows 8 (32-bit or 64-bit), and Windows 10 (32-bit or 64-bit)</p> <p>Windows Server®</p> <p>NOTE: Be aware of the following:</p> <ul style="list-style-type: none"> The Stat Client can run on a workstation or Windows server. In some cases the compatibility mode may need to be set to Windows XP. When Stat is running on a Microsoft Server operating system, opening a CSR may cause an Internet Explorer security prompt to appear. To prevent this, add about:security_stat.exe to the Trusted sites zone.
Database Connectivity	<p>To create a successful connection, the architecture (bitness) or the database client/driver must match the architecture (bitness) of the Stat Client. For example, the 64-bit Stat Client requires an applicable 64-bit database client/driver, and the 32-bit Stat Client requires an applicable 32-bit database client/driver.</p> <p>Oracle 11 and 12 (client must be compatible with RDBMS version)</p> <p>Microsoft SQL Server Native Client 11.0</p>
Web Browser	<p>Microsoft Internet Explorer 11</p> <p>Microsoft Edge™</p> <p>Mozilla Firefox 47 and later</p> <p>Google Chrome™ 56 and later (see known issue 0236176)</p>
Minimum Requirements	<p>CPU: 1.6 GHz or greater</p> <p>RAM: 1 Gb RAM</p> <p>Disk: 500 MB for local install (recommended) or less than 1 MB with network install with 500 MB on the network</p>

Table 5. Stat Central Agent

Requirement	Details
Operating System	<p>Windows® 7, Windows 8, Windows 10 Windows Server® Red Hat® Enterprise Linux® releases 5, 6, and 7 Oracle® Solaris 10 and 11 HP-UX 11.11 and 11.23 IBM® AIX® v5.2, 5.3, 6.1, or 7.1 (all English-based)</p> <p>NOTE: Standalone configuration not recommended on same computer as the SQL Server® Stat Database.</p>
Java SE Development Kit	<p>Java 8 or Java 7</p> <p>NOTE: Be aware of the following:</p> <ul style="list-style-type: none"> • For 64-bit servers, use 64-bit JDK • 64-bit AIX v5.2, 5.3, 6.1, and 7.1 require IBM JDK • HP-UX 11.11 and 11.23 require HP JDK/SDK (32-bit)
Minimum Requirements	<p>CPU: 2.5 GHz (dual core processor) Intel® Core™ i3 (or equivalent) RAM: 2 GB Disk: 500 MB</p>
Email	<p>Supported protocols: Outbound email-SMTP, Secure SMTP; Inbound email-IMAP4, Secure IMAP4, POP3 and Secure POP3</p>

PeopleSoft Environment

Table 6. Component requirements

Requirement	Details
PeopleTools Applications	<p>Supports all applications that are certified by PeopleSoft® to run on the following PeopleTools versions: v8.4-v8.56.</p>
PeopleSoft Applications	<p>Supports all PeopleSoft applications built on PeopleTools.</p>
PeopleSoft Databases	<p>Supports the following database platforms in conjunction with PeopleTools supported platforms:</p> <ul style="list-style-type: none"> • Oracle® (10g, 11g, and 12c) • SQL Server® (2008, 2012, 2014, and 2016) • IBM® DB2® UDB (7.1, 8.1, 9.1, 9.5, 9.7 on IBM® AIX®, OS/390, z/OS; 10 on z/OS)

Oracle E-Business Suite Environment

Table 7. Component requirements

Requirement	Details
Releases	<p>Stat[®] supports all products, including custom products, in the Oracle[®] E-Business Suite Release 11i (11.5.10 and higher), 12, 12.1.1, 12.1.2, 12.1.3 (current release is 12.1.3), and 12.2 (current release is 12.2.6).</p> <p>Some Stat features will depend on the AD product release.</p>
Technology Stack	<p>All components of the technology stack for the Oracle E-Business Suite should be in compliance with Oracle certification requirements</p>
Stat Oracle Agent - Hardware Platforms	<p>All versions of SOLARIS, HP-UX, IBM[®] AIX[®], Red Hat[®] Enterprise Linux[®], and Windows[®] software are certified with Oracle E-Business Suite.</p> <p>Stat will be certified with most UNIX[®] and Intel[®] based platforms supported by Oracle. Contact Quest[®] Support for updated platform certification.</p> <p>JDK/SDK Versions (32-bit): 7 and 8</p> <ul style="list-style-type: none">• Windows, Solaris, and RedHat Linux require Oracle JDK/SDK (32-bit)• HP-UX 11.11, 11.23, 11.31 requires HP JDK/SDK (32-bit)• 64-bit AIX v5.2, 5.3, 6.1, and 7.1 requires JDK/SDK (32-bit)
Developer Object Compare	<p>Oracle developer object comparison is an optional feature with its own requirements. To enable object compare support for Oracle developer objects, a compatible version of Oracle Developer and the Forms Applet Jar Files component of the Oracle Forms product must be installed. Additional requirements are needed for the following:</p> <ul style="list-style-type: none">• To enable object compare support for Oracle developer objects in patches, the Oracle JVM and the file stat_db.jar must be installed.• To enable object compare support for form library files that have attached libraries, the FORMS60_PATH environment variable must be set to reference a staging directory (FORMS_PATH for FORMS 10).

FTP, SSH Servers

Table 8. Component requirements

Requirement	Details
Requirements	<p>Must be Windows[®] NT, UNIX[®], MVS or NetWare[®] compatible; SSH2 must use standard format listing; OpenSSH (UNIX and Windows), SSH Communications Corp. (UNIX and Windows), bitwise WinSSHD, and wodSSHServer are supported.</p> <p>NOTE: VanDyke Software™ VShell™ 2.1 is not supported.</p> <p>The configuration of your SSH server determines which ciphers are used when connecting to the Stat Central Agent. The Stat Central Agent currently supports the following cipher and MAC configurations:</p> <p>Ciphers:</p> <ul style="list-style-type: none">• Blowfish• Triple DES• AES128CTR, AES128CBC• AES192CTR, AES192CBC• AES256CTR, AES256CBC <p>Message Authentication Code (MAC):</p> <ul style="list-style-type: none">• HMAC-MD5• HMAC-SHA1• HMAC-MD5-96• HMAC-SHA1-96

Upgrade and compatibility

The Stat[®] 6.1 upgrade is compatible with any 5.7.x version of Stat. See the Upgrade Notes included with this release. It is not necessary to uninstall previous versions of Stat to install 6.1.

Product licensing

Commercial and trial Stat[®] 6.1 licenses are obtained from Support Link at <https://support.quest.com/licensing-assistance>. The procedure for activating licenses is the same for both commercial and trial licenses.

To activate a Stat license

- 1 Open Stat and go to **Maintenance | General | System Maintenance**.
- 2 Click on the **License** Tab.
- 3 Paste the License Key and Site Message into the appropriate fields.
- 4 Click **Verify**.
- 5 The properties of the license will be displayed if the key/message are valid.

Upgrade and installation instructions

For information about upgrading Stat® 5.7.x (or later) to version 6.1, see the *Stat Upgrade Notes* document included with this release.

Additional resources

Additional information is available from the following:

- Online product documentation (<http://documents.quest.com/stat/>), which features latest versions of the Stat® System Administration Guide and the Stat User Guide
- Stat Community (<https://www.quest.com/community/products/stat/>)

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America.

This release has the following known capabilities or limitations: Stat is targeted to support operations in the following regions: North America, Western Europe, and Latin America.

This release is Unicode-enabled and supports any single or multi-byte Western European character set based on Western European locales or language configuration supported by Windows.

Support for other non-ASCII character encodings and/or non-English configurations may work appropriately, but these configurations have not been tested and this product should be used with caution in these environments.

About us

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation™.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece—you—to the community, to the new Quest.

Contacting Quest

For sales or other inquiries, visit <https://www.quest.com/contact>.

Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request.
- View Knowledge Base articles.
- Sign up for product notifications.
- Download software and technical documentation.
- View how-to-videos.
- Engage in community discussions.
- Chat with support engineers online.
- View services to assist you with your product.

Third-party contributions

This product contains the following third-party components. For third-party license information, go to <https://www.quest.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <https://opensource.quest.com>.

Table 9. List of third-party contributions

Component	License or acknowledgment
Apache Batik 1.7	jQuery 3.1.1: copyright jQuery Foundation jquery.org/license
Apache Commons Beanutils 1.8.0	Apache License
Apache Commons Collections 3.2	Version 2.0, January 2004
Apache Commons Digester 2.0	http://www.apache.org/licenses/
Apache Commons Fileupload 1.3.1	TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
Apache Commons IO 2.2	
Apache Commons Logging 1.1.3	1. Definitions.
jQuery 3.1.1	"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
Struts Framework 2.3.28	"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License. "Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity. "You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License. "Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files. "Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types. "Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below). "Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

Table 9. List of third-party contributions

Component	License or acknowledgment (Continued)
Continued:	<p>"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."</p>
Apache Batik 1.7	<p>"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.</p>
Apache Commons Beanutil 1.8.0	<p>2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.</p>
Apache Commons Collections 3.2	<p>3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed. 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:</p>
Apache Commons Digester 2.0	<p>(a) You must give any other recipients of the Work or Derivative Works a copy of this License; and</p>
Apache Commons Fileupload 1.3.1	<p>(b) You must cause any modified files to carry prominent notices stating that You changed the files; and</p>
Apache Commons IO 2.2	<p>(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and</p>
Apache Commons Logging 1.1.3	
jQuery 3.1.1	
Struts Framework 2.3.28	

Table 9. List of third-party contributions

Component	License or acknowledgment (Continued)
Continued:	(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.
Apache Batik 1.7	You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.
Apache Commons Beanutil 1.8.0	5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
Apache Commons Collections 3.2	6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
Apache Commons Digester 2.0	7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
Apache Commons Fileupload 1.3.1	8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
Apache Commons IO 2.2	
Apache Commons Logging 1.1.3	
jQuery 3.1.1	
Struts Framework 2.3.28	

Table 9. List of third-party contributions

Component	License or acknowledgment (Continued)
Continued:	9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.
Apache Batik 1.7	
Apache Commons Beanutil 1.8.0	
Apache Commons Collections 3.2	
Apache Commons Digester 2.0	
Apache Commons Fileupload 1.3.1	
Apache Commons IO 2.2	
Apache Commons Logging 1.1.3	END OF TERMS AND CONDITIONS
JQuery 3.1.1	
Struts Framework 2.3.28	
Apache Commons Messenger 1.0	This product includes software developed by the Apache Software Foundation (http://www.apache.org/).
Apache Commons Net 1.1.0	
Apache Commons Validator 1.3.1	The Apache Software License, Version 1.1
Jakarta ORO 2.0.1	Copyright (c) 2000 The Apache Software Foundation. All rights reserved.
jakarta-regexp 1.3	Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
Quartz 1.3.2	<ol style="list-style-type: none"> 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment: "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)." Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear. 4. The names "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org. 5. Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation. <p>THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p>

Table 9. List of third-party contributions

Component	License or acknowledgment (Continued)
Continued: Apache Commons Messenger 1.0 Apache Commons Net 1.1.0 Apache Commons Validator 1.3.1 Jakarta ORO 2.0.1 jakarta-regexp 1.3 Quartz 1.3.2	This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see < http://www.apache.org/ >. Portions of this software are based upon public domain software originally written at the National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign.
CKEditor 4.5.11	Mozilla Public License (MPL) 2.0
D3 3.5.5	BSD 3-Clause License Copyright 2010-2016 Mike Bostock All rights reserved.
Eclipse JDT Core Component 3.11.0	Eclipse Public License 1.0
JasperReports 6.1.1*	Copyright (C) 2007 Free Software Foundation, Inc. GNU Lesser General Public License (LGPL) Version 3, 29 June 2007 Source code can be found at: http://sourceforge.net/projects/jasperreports/files/jasperreports/JasperReports%206.1.1/
JSch 1.5.4	BSD - JCraft 1.0
jsdiff 1.0	Copyright (c) 2007, Snowtide Informatics Systems, Inc. All rights reserved. BSD-style license. A copy of the license text can be found at: https://www.quest.com/legal/third-party-licenses.aspx . THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
jTDS SQL Server Driver 1.3.1	License: jTDS is Free Software. jTDS is made available under the terms of the GNU Lesser General Public License. The LGPL is sufficiently flexible to allow the use of jTDS in both open source and commercial projects. Using jTDS is considered to be dynamic linking; hence our interpretation of the LGPL is that the use of the unmodified jTDS source or binary does not affect the license of your application code. If you modify jTDS and redistribute your modifications, the LGPL applies, basically. GNU Lesser General Public License (LGPL) Version 3, 29 June 2007 Source code can be found at: https://sourceforge.net/projects/jtds/files/jtds/1.3.1/

Table 9. List of third-party contributions

Component	License or acknowledgment (Continued)
P4-Java 2011.1.297684	<p>Copyright (c) 2013, Perforce Software³. * All rights reserved.⁴ * 5. * Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:⁶ * 7. * Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.⁸ * Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.⁹ * THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.¹⁰.</p>
TFS-SDK 2012	MICROSOFT Public License 2012
WildFly 8.2.1*	<p>LGPL (GNU Lesser General Public License) 2.1</p> <p>Source code can be found at: http://wildfly.org/downloads/</p>
WSpell Active X Spell Checker 5.14.10	WSpell ActiveX Spelling Checker Copyright © 1997-2002 Wintertree Software Inc.

Table 9. List of third-party contributions

Component	License or acknowledgment (Continued)
Xstream 1.4.2	<p>Copyright (c) 2003-2006, Joe Walnes</p> <p>Copyright (c) 2006-2007, XStream Committers All rights reserved.</p> <p>Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <p>Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.</p> <p>Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.</p> <p>Neither the name of XStream nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.</p> <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p>

© 2017 Quest Software Inc.

ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software Inc.

The information in this document is provided in connection with Quest Software products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest Software does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

Quest Software Inc.
Attn: LEGAL Dept.
4 Polaris Way
Aliso Viejo, CA 92656

Refer to our website (<https://www.quest.com>) for regional and international office information.

Patents

Quest Software is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at <https://www.quest.com/legal>.

Trademarks

Quest, Stat, the Quest logo, and Join the Innovation are trademarks and registered trademarks of Quest Software Inc. For a complete list of Quest marks, visit <https://www.quest.com/legal/trademark-information.aspx>. All other trademarks and registered trademarks are property of their respective owners.

Legend

 **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

 **IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.