QlikView November 2018

Release notes

LEAD WITH DATA™ Qlik

TABLE OF CONTENTS

What's new in QlikView November 2018

The following is a list of new features and improvements included in this release of QlikView. For a list of system requirements see the System requirements page:

System Requirements for QlikView

Support for IPv6

QlikView November 2018 introduces support for Internet Protocol IPv6 in addition to the already supported IPv4. Hybrid dual stack IPv4/IPv6 configurations are supported as well.

IPv6 configurations

New "File Exists" Supporting task in QlikView Publisher

A new task called "File Exists" has been added to the set of available Supporting tasks. This supporting task can be used to trigger another task following the creation of a file in your environment. This feature is particularly useful when a system in your environment creates files at irregular time schedules. A File Exists task completes successfully even when the file is not found, but in such a case it does not trigger the following task. For more information, read the documentation on help.qlik.com.

File Exist trigger

New QVS Engine log file

A new engine performance log file can be produced primarily for troubleshooting and document design purposes. By default, this Engine log file is disabled and should only be enabled for limited periods of time, since it produces massive amounts of log data. The log includes: DocId, ObjectId, ObjectType, NetRAM and PeakRAM, which can be used to identify which objects in an app require the most RAM capacity. Activate the log by adding QixPerformanceLogVerbosity=4 in the Settings.ini file for the QVS.

Logs and error codes

New Reload performance log

The task performance information, which was previously found in the task logs are now separated and can be found in dedicated log files. This new arrangement of log files makes it easier to use this data for reload performance analysis and for finding which documents are most resource consuming. Additional information on tables and fields have been added. To activate this logging add EnableQVBReloadMetadata=1 in the Settings.ini file for QlikView Distribution Service (QDS).
Default location of the QDS Settings.ini file is
%Program Files%\QlikView\Distribution Service

Logs and error codes

Load full tables from an Analytic connections plug-in using QlikView load script

With QlikView November 2018 you can load a full table from an SSE plug-in by making a single request in QlikView load script. For a detailed documentation on this new feature see the Load documentation in help.qlik.com.

Load

Custom settings in configuration files listed in QMC

With QlikView November 2018 you can view all non-default settings applied to your deployment directly from the QlikView Management Console (QMC). In the QMC, go to status > services and select one of the services of your QlikView Server deployment to show if any custom setting is in place. This list makes it easier to note down every custom setting applied to the QlikView services in your deployment, a practice that is particularly important when upgrading or migrating your QlikView installation.

Services

Upgrade notes

Support for .NET Framework 4.7.2

QlikView November 2018 adds support for Microsoft .NET Framework version 4.7.2. To allow for the complete adoption of .NET Framework 4.7.2 and higher versions, QlikView has ceased support for Microsoft Windows Server 2008 (initial release), whereas support for Microsoft Windows Server 2008 R2 is retained. For developing and testing of QlikView Server on Microsoft Windows 10, the Anniversary Updated (build 1607) or a later update must be installed. For more information, see QlikView System requirements page on help.qlik.com

System Requirements for QlikView

Implementation of Skia graphics library

The Skia open source graphic library has been implemented into QlikView November 2018. This implementation influences QlikView rendering and might affect how your QlikView applications are visualized. Some or all your applications may be visualized incorrectly, or they may present some differences compared to QlikView November 2017. This affects rendering of all objects in the QlikView Desktop and IE plug-in, and only rendering of graphs (including text embedded in the graphs) in the Ajax client. We invite you to test all your applications in the QlikView November 2018 environments you want to use and check for any rendering problem.

New BNF script reload mode can no longer be disabled in QlikView November 2018

QlikView November 2017 introduced a new BNF script reload mode while retaining the old BNF parsing as well. In QlikView November 2018 the old BNF parsing has been permanently removed. It is therefore no longer possible to disable the new BNF as this is now the only BNF parsing available.

Implementation of ICU libraries

The ICU (International Components for Unicode) set of C/C++ and Java libraries has been implemented in QlikView November 2018. This set of libraries provides Unicode and globalization support, allowing for a more consistent behavior of Qlik applications across different platforms.
Here is a list of noticeable differences related to the introduction of ICU Unicode libraries:

- **Changed list of time zone values**. The implementation of ICU libraries brings a new set of time zones values. If you are using hardcoded values for the "timezone" parameter in QlikView documents, the used values might be no longer available. For more information, see the "Known issues and limitations" section in this document.

- **Improved sorting of Japanese language**. Better handling of which Japanese characters should be sorted together.

- **Sorting of V and W in Swedish language**. Letter V is now sorted before letter W in Swedish language, in compliance with the Swedish Academy (Svenska Akademien).

- **Handling of white space in string**. The sorting of strings containing white spaces changes when the ICU is enabled. With ICU enabled, the longest string is sorted on top. Strings with a white space as the first caracter preceed strings that have a white space within the string itself, or as the last caracter.

- **Different sorting of numeric strings containing hyphens**. Strings containing hyphens are sorted differently when ICU is enabled. For example:

ICU disabled	ICU enabled
Liechtenstein-Grundel Liechtenstein Grundel	Liechtenstein Grundel Liechtenstein-Grundel
99-3 Forest Works 99 – Orion Road	99 – Orion Road 99-3 Forest Works
99-3 Forest Work 99 Dean Street, Soho	99 Dean Street, Soho 99-3 Forest Works

- With ICU enabled, ½ is sorted before ¼, because 2 is sorted before 4. With ICU disabled, ¼ is sorted before ½, based on the size of the represented number.

- **Update of SET variables**. SET variables are updated for all CollationLocales because ICU is used as source. Changes of the formats regarding time, timestamp, date, day- and month names, money, thousand- and decimal separator are displayed when a new document is created.

The addition of ICU libraries also brings new formats that need to be redefined manually.

- For Arabic and Persian the new SET variable for MoneyFormat must be redefined manually. For example:
    - For CollationLocale='ar-AE'
      SET MoneyFormat='د.إ.‏ ٢,٢٢٣,٣٣-;د.إ.‏ ٢,٢٢٣,٣٣';
      ٢,٢٢٣,٣٣ is not supported, define another MoneyFormat.
      The same applies to other Arabic languages

- For CollationLocale='fr-IR'
  From SET MoneyFormat='ريال ٢٬٢٢٣-ريال; ٢٬٢٢٣ ريال';
  ٢٬٢٢٣ is not supported, define another MoneyFormat

- For CollationLocale='ar-SA' the new SET variables for DateFormat and TimestampFormat needs to be redefined manually. For example:

  - SET DateFormat='D?/M?/YYYY GGGGG';
    G is not supported, define another DateFormat.

  - SET TimestampFormat='D?/M?/YYYY GGGGG h:mm:ss[.fff] TT';
    G is not supported, define another TimestampFormat.

- For CollationLocale='fr-IR' the new SET variables for TimeFormat and TimestampFormat needs to be redefined manually. For example:

  - SET TimeFormat='h:mm:ss ()';
    () is not supported, define another TimeFormat.

  - SET TimestampFormat='YYYY/M/D h:mm:ss ()[.fff]';
    () is not supported, define another TimestampFormat.

Known issues and limitations

New ICU standard changes behavior in functions "ConvertToLocalTime" and "LocalTime"

In QlikView November 2018, the set of hardcoded values for the "timezone" parameter (such as "Stockholm or "India") has changed due to the implementation of ICU libraries. If in "ConvertToLocalTime" and "LocalTime" functions you are using a hardcoded value that is not available in the ICU libraries, the functions return "?" instead of the expected result. Please note that if the unavailable hardcoded values are set in scripts, the execution does not fail, but the function returns "?".

Workaround:

- To restore the expected behavior, change the hardcoded value to match the values available in the ICU libraries. For a full list of available time zone values, see "List of time zone values available in ICU libraries" at the end of this document.
- If you use a dynamic solution with the "TimeZone" function as input to "ConvertToLocalTime" and "LocalTime", no change is needed.
- It is possible to switch back to non-ICU behavior by adding UseIcuForTimeZoneInfo=0 to the Settings.ini file. However, please be aware that in future versions this possibility might be removed.

Syntax completion in data load editor not working properly after keyword Extension

When using the "Load Extension" syntax in the load script, the Data load editor syntax completion does not work well after the keyword "Extension" when trying to write the call to an SSE function (AAI function). Nevertheless, the script executes correctly.

DPI compatibility on QlikView November 2018

Microsoft Windows 10 users with screens at high-resolution may experience an altered/smaller QlikView visual experience due to the DPI compatibility for the QlikView executable.
Workaround: update the DPI compatibility for the QlikView executable. Do the following:

- On the machine or machines where QlikView is installed, search for the QV.exe.

- Right-click on QV.exe and select "DPI compatibility" setting.

- Modify the value to be "System (Enhanced)"

Bug fixes

QlikView November 2018 comes with fixes for the issues listed below.

'Updating, please try again' message shown without document reload

Jira issue: QV-2253

QlikView freezes when maximizing/minimizing the container object

Jira issue: QV-4654

Decimals shown in Pivot table in IE plug-in and desktop client, but not in AJAX client.

Jira issue: QV-5735

Inconsistent scroll functionality within container between Desktop & web view

Jira issue: QV-6063

Tables with containers disappear once triggered

Jira issue: QV-7474

Inconsistencies with inter record functions when arrays contain zero values

Jira issue: QV-7656

List Box in container not properly rendered when changing the selection

Jira issue: QV-7906

Shared: Error on DeleteBlob

Jira issue: QV-8092

"Override locked field" is not working in calendar object

Jira issue: QV-9163

Search Object issue when selecting chars using mouse and then delete or retype

Jira issue: QV-9434

Web view and Desktop view storing the same number in different ways using InputField

Jira issue: QV-9688

Send to Excel option makes tables objects unavailable returning error message ""Unexpected Exception Occured"

Jira issue: QV-10112

Selection triggers works not working properly when multiple triggers are applied to the same field

Jira issue: QV-10128

Last column in a pivot table cannot be expanded if a column is hidden by Enable Conditional

Jira issue: QV-10222

Deleted QVS nodes still referenced in the QlikView Web Servers section of the QMC

Jira issue: QV-10337

Dimensions disappearing after the addition of a calculated dimension

Jira issue: QV-10351

If reloading file with Select in field and Lock Field triggers selections are cleared and field is locked with no selection

Jira issue: QV-10607

Page blinking while doing selections using iframe + IE11

Jira issue: QV-10634

Bookmarks do not apply after being initially selected

Jira issue: QV-10927

Dimension Limits 'Show only values that accumulate to' gets inconsistent results

Jira issue: QV-10947

Radar chart inside a container causes QlikView to stop functioning

Jira issue: QV-10954

Values on Data Points different exhibited in 12.10 than in 11.20 when using sum of two fields

Jira issue: QV-11064

Area Chart Showing wrong data for mixed trend in QlikView

Jira issue: QV-11185

Input field stops working after re-opening the QVW

Jira issue: QV-11188

Excel files with Japanese name fail to be opened in QlikView 12.10 SR8

Jira issue: QV-11645

stripComments System Variable fails to send the comment to a database in QV 12.10

Jira issue: QV-11648

Subsequent date range selections in list Box not applied in bookmarks

Jira issue: QV-11665

Selecting print option for single charts in AJAX client and IE plug-in generates an empty .png file

Jira issue: QV-11695

Conditional show of container not functioning properly in AJAX

Jira issue: QV-11696

Microsoft Edge - AJAX: Listbox values are missing

Jira issue: QV-11697

When displaying an expression with option "Values on Data Points" in a stacked bar chart, the value label is shown at both the top and bottom of a stacked column

Jira issue: QV-11706

Right click on a cycle group causes "Lost connection to Server" + Menu is not available in QV 12.10 SR6

Jira issue: QV-11709

QMC status page isn't correct when using Distribution groups

Jira issue: QV-11901

Blank column exported to excel when table has hidden columns

Jira issue: QV-11985

ListBox in AJAX not showing full list of possible selections

Jira issue: QV-11986

Chart Overlay Change Behaves Differently in QlikView 12.10 SR7 AJAX vs. 11.20 SR4

Jira issue: QV-12005

Filter pane with cell borders checked is not showing cell borders anymore since upgraded to 12.10

Jira issue: QV-12006

Combo chart showing different behavior in 11.20 SR13 compared to 11.20 SR16/12.10.X

Jira issue: QV-12009

Scrolling Behavior Differs QlikView 12.10 SR7 AJAX vs. 11.20 SR4

Jira issue: QV-12076

Timestamp on log for qvw file reload shown in UTC time instead than server time

Jira issue: QV-12091

Message "An earlier version of QlikView November 2017 has been detected" showed in Install wizard even when no previous November 2017 is installed

Jira issue: QV-12137

Confirm dialog window for Note deletion hidden behind Note dialog window (AJAX client)

Jira issue: QV-12138

Text overlapping in Bar Charts and Line Charts

Jira issue: QV-12148

Engine restarting with error "Internal inconsistency, type F, detected" following app timeout

Jira issue: QV-12162

Line Chart Symbol shows up in a different position after set Scale, Static Min and Static Max

Jira issue: QV-12202

Changing and sorting dimension causes QlikView desktop to crash

Jira issue: QV-12227

AllowExecuteCommand flag ignored after upgrade from QlikView 12.10 to November 2017

Jira issue: QV-12269

In Pivot tables, undo selections by clicking a cell twice fails after upgrade from QV 11.20 to QV 12.10 SR8

Jira issue: QV-12277

Data Value misplaced in Stacked Bar Chart after upgrade from 11.20 to 12.10 and November 2017

Jira issue: QV-12336

Reduction and distribution of a document fails with error "Failed to generate QVW files"

Jira issue: QV-12344

Column/row highlighted after clicking on hyperlink within pivot table

Jira issue: QV-12366

Debug function in Edit script fails to read Japanese characters and returns them corrupted

Jira issue: QV-12370

Wrong error message shown when triggering mapping load with only one field

Jira issue: QV-12379

Multiple search results are presented differently in QV 12.00 or higher compared to 11.20

Jira issue: QV-12383

QvdNoOfRecords function returning error when the qvd file does not exist

Jira issue: QV-12407

Scheduled task triggered twice if two identical tasks are created

Jira issue: QV-12411

Macro compromise QlikView functionality after upgrade from 11.20 SR17 to 12.10 SR6

Jira issue: QV-12422

Hovering over a bookmark does not show bookmark information tooltip in QlikView 12.10

Jira issue: QV-12434

Document makes QlikView server unresponsive with Internal Inconsistency Type F

Jira issue: QV-12492

Group By with field concatenation returning "Invalid expression" if not loaded as a field in the Load statement

Jira issue: QV-12498

Error bars are not displayed in stacked bar charts if the expression is invisible. Upgrade from QV 11.20 to QV 12.10

Jira issue: QV-12502

Performance Reduction when upgrading from QV 11.20 SR10 to QV 12.10 SR8

Jira issue: QV-12503

VB module definition is not added to the bnfdefinition when not running on the GUI thread

Jira issue: QV-12521

Changing interface language server side has no effect in AJAX

Jira issue: QV-12548

Cross-Site Request Forgery missing in Access point

Jira issue: QV-12557

When exporting objects to Excel the formatting from QlikView is not preserved

Jira issue: QV-12560

qvw document with Direct Discovery fails to be opened on Access Point

Jira issue: QV-12569

Reload time increase after upgrade to November 2017

Jira issue: QV-12572

Unable to binary load Section Access document in QlikView November 2017 server

Jira issue: QV-12573

QlikView Desktop stops working when clicking Table properties, Sort tab

Jira issue: QV-12619

Pivot table layout changed by Highest Level Dimension become disabled

Jira issue: QV-12637

QVB process summary not working in non-English Windows Server installations

Jira issue: QV-12642

Send To Excel, exports Dual Field As Number instead of Text

Jira issue: QV-12659

Negative values displayed on right side of horizontal stacked bar chart

Jira issue: QV-12673

Date format is exported to Excel as Numeric

Jira issue: QV-12733

Document chaining not working in IE Plugin

Jira issue: QV-12737

Custom cell format in straight table not reproduced in after upgrade to QV November 2017 (Ajax)

Jira issue: QV-12753

Custom Message of Calculation Condition not working in Ajax client for November 2017

Jira issue: QV-12761

Removing all entries from a set of users specified in a text file not working properly

Jira issue: QV-12762

QlikView Server doesn't respect the setting "Delay" in the Alert Properties in the QV Document

Jira issue: QV-12778

Fiber Loop stall detected due to AJAX client being stalled

Jira issue: QV-12779

Resizing bar chart with offset causes the bars to shift position

Jira issue: QV-12808

Distribute to folder and Distribute to Server tasks apply different user NTFS security permissions to files

Jira issue: QV-12818

Help text pop-up in objects doesn't show the content when hovering over help sign in Access point November 2017

Jira issue: QV-12820

Cannot replace data with a string in a loaded Excel spreadsheet with some empty fields

Jira issue: QV-12822

Started/Scheduled status label for triggered tasks are not consistent

Jira issue: QV-12829

AJAX page displayed with enlarged font in Safari on Ipad

Jira issue: QV-12831

"Read Only" in Chart Properties not working

Jira issue: QV-12832

SSE expression with .R causes QlikView document to crash when opening because EvalContext is missing in the string

Jira issue: QV-12838

Selected fields in Pivot table retain green selection after field is cleared in Ajax and Webclient

Jira issue: QV-12844

Trigger file locked by the service account causing tasks to be stuck in queue state.

Jira issue: QV-12853

Reload task fails if "Script Parameters" have multiple values

Jira issue: QV-12855

Plug-in version information in session log is wrong

Jira issue: QV-12858

Cyclic group icon disappears when the dimension contains a large number of values

Jira issue: QV-12872

Colour bands in Area chart are not applied when dataset contains negative values. QV November 2017

Jira issue: QV-12987

Legend cannot be changed from vertical to horizontal in Pie chart and Funnel chart

Jira issue: QV-12995

Japanese characters in file name not reproduced when exported in xlsx

Jira issue: QV-12999

Time format changed to serial number when selecting "Send to Excel"

Jira issue: QV-13002

QlikView JS Extensions not working in November release

Jira issue: QV-13003

Scatter chart with logarithmic expression not working after upgrade to QlikView 12.10

Jira issue: QV-13008

Data values in bar chart are not adjusted if "Log Scale" is used when resizing the chart

Jira issue: QV-13012

'Send to Excel' is generating blank report if length of the object ID is greater than 22

Jira issue: QV-13015

Documents using too much memory are not terminated in QlikView 12

Jira issue: QV-13017

Exporting to Excel from Pivot table, the data from an adjacent column is copied to the column on the right if it is pivoted to show data in two columns

Jira issue: QV-13018

QMC's Task Overview showing full path instead of Document Name

Jira issue: QV-13019

IF clause with LOAD ... AUTOGENERATE statement ignores script after END IF in QV November 2017

Jira issue: QV-13020

Script Editor in QV November 2017 fails to recognise multiple named ranges from same row of XLSX file

Jira issue: QV-13033

Exported table with null values is presenting "-" instead of blank

Jira issue: QV-13046

Adding a dimension to an expanded Pivot Table causing sudden total RAM consumption. QlikView 12.10 and November 2017 AJAX client

Jira issue: QV-13072

QlikView Accessibility Client Extension 12 Tab index functionality does not work

Jira issue: QV-13073

QlikView Desktop November 2017 SR2 stops working when applying a custom Color map to an object

Jira issue: QV-13120

Binary Load statement is not written to document logs in QlikView November 2017

Jira issue: QV-13127

MAILTO function not working after upgrade from 11.20 to November 2017 SR2

Jira issue: QV-13193

Performance decrease when opening a file in Access point for the first time with November 2017 SR1

Jira issue: QV-13204

Mail with Bookmark as a Link not working November 2017 SR2 Access point with latest IE Plugin

Jira issue: QV-13227

Calendar Object Drop down not showing years previous to 2017 (Ajax)

Jira issue: QV-13235

Using DocumentFolderAdminUseXDomain and Custom directory in an installation causes errors in QMS log

Jira issue: QV-13237

Box plot expression using variables fails to work after upgrade from 11.20 to November 2017

Jira issue: QV-13268

Selected values are not shown at top of the list in AJAX client view for QlikView November 2017

Jira issue: QV-13269

EnableSingleQuoteExactSearch=2 does not work in IE plug-in and AJAX client in document migrated from QlikView 12.10

Jira issue: QV-13288

onPostReload trigger set to create a csv-file does not work with new BNF reload mode in QlikView November 2017 SR2

Jira issue: QV-13289

Info LOAD does not upload images without saving and reloading the document first

Jira issue: QV-13315

Unexpected token: ':', expected one of: '(', 'Where', 'While', 'Group' error message returned for inline load of a QVS file

Jira issue: QV-13372

Bubble label in scatter plot chart show even if the bubbles are out of axis boundary

Jira issue: QV-13387

QV hangs when opening QVW where PRJ folder exists

Jira issue: QV-13424

Missing InterfaceLanguage in settings.ini breaks (Ajax) after upgrade to November 2017

Jira issue: QV-13427

Difference between Chrome and IE in sizing an object in QV November 2017 SR2 (Ajax)

Jira issue: QV-13475

Dimension label misplaced when upgrading from QV 11.20 to November 2017 (Ajax)

Jira issue: QV-13477

QlikView November 2017 SR2 release does not display X and Y coordinates on scatter plot

Jira issue: QV-13558

Reducing a document and distributing it fails with error "Failed to reduce and save document"

Jira issue: QV-13560

Macro does run after reload if EnableBnfReload is set to 0

Jira issue: QV-13567

When the scroll bar is made wider, it does not scroll when using the top half of it. AJAX client.

Jira issue: QV-13579

Personal Edition Warning and "Failed to open document" error when opening qvw file created with QV Desktop Personal Edition on a licensed version of QV November 2017

Jira issue: QV-13601

Custom date format is lost in exported to Excel in QlikView November 2017 SR1 and SR2

Jira issue: QV-13608

QlikView Server with DMS authorization does not read subfolder with the 12.10 and November 2017 versions

Jira issue: QV-13610

'Drawing of chart failed internally' error is displayed in Line chart on Webview/AJAX after upgrade from QV 11.20 to 12.20 IR/SR3

Jira issue: QV-13611

Command line reload fails to work in QlikView November 2017 SR1

Jira issue: QV-13683

Box tab in container object not properly displayed in QlikView November 2017 SR3

Jira issue: QV-13685

Changes in Settings.ini are not propagated to the other QVS nodes in November 2017

Jira issue: QV-13694

Changes do not get applied when trying to modify source folder Administrators via QMS API

Jira issue: QV-13702

Copy-paste a list from Excel in an input box does not work in in QlikView Desktop if the WebView mode is enabled

Jira issue: QV-13723

QlikView Server sends wrong information to QV Web Server about Loaded Document

Jira issue: QV-13771

Fixed Record statement fails to create correct header row in QlikView November 2017

Jira issue: QV-13773

A task is still run after deletion if an identical copy is available

Jira issue: QV-13774

'Message changes' trigger level functionality not respected in QlikView Server November 2017 SR3

Jira issue: QV-13775

Email alerts not sent after upgrade from QlikView Server 11.20 SR8 to 12.10 SR4

Jira issue: QV-13782

Information on groups and users not available in the QMC cache

Jira issue: QV-13786

Behavior change of 'Open URL' text box action item after upgrade to QlikView Server November 2017 SR3

Jira issue: QV-13802

Listbox in container not displaying data until clicking on search icon

Jira issue: QV-13803

QlikView document crashes when user tries to search using the Global search in mobile devices

Jira issue: QV-13813

Vertical label split with chr(10) is badly formatted in AJAX client

Jira issue: QV-13832

Fail to find triggers after upgrading to November 2017 SR3

Jira issue: QV-13837

Unbalanced QVS with AccessPoint Load Balancing resulting in no access

Jira issue: QV-13921

Load performance decrease in loading a table after upgrade to QlikView 12.10

Jira issue: QV-13922

Open URL actions get "?lang=eng-us" added to the url

Jira issue: QV-13938

QlikView Accessibility Extension shows a long horizontal scroll bar when extension objects are added

Jira issue: QV-13950

Reload stops at the macro editor when launched from command prompt

Jira issue: QV-13966

Changes in width or height of a List box or container object in properties, caption are not applied

Jira issue: QV-13973

Some triggers fail during night reload in QlikView 12.10

Jira issue: QV-14003

QV Accesspoint: "No matches for current search" error displayed even when matching characters are found

Jira issue: QV-14025

QlikView Desktop ignores the "ExtendedErrorLoggingMode" setting

Jira issue: QV-14028

OnChange trigger with Doc Extension not working when using QlikView Desktop in WebView mode.

Jira issue: QV-14029

Publisher unable to save QVW files with large amounts of bookmarks

Jira issue: QV-14033

Custom Message of Calculation Condition not working in Table Box (Ajax)

Jira issue: QV-14034

Debugger not working properly when Includes are used

Jira issue: QV-14038

OnDemand bookmarks not returned correctly from GetBookmark on QlikView November 2017 SR2

Jira issue: QV-14053

Long reload times and failed tasks due to QVDistributionService.exe using up to 100% of CPU during night reloads

Jira issue: QV-14066

Message "This SqlTransaction has completed; it is no longer usable" presented after installing QlikView November 2017

Jira issue: QV-14079

Performance degrade when using Pareto function in QlikView November 2017

Jira issue: QV-14098

QlikView Desktop failing to open a document at launch, but succeeds if QlikView Desktop was previously launched

Jira issue: QV-14113

When several tasks are started, some fail because are shown as running although they are in queue

Jira issue: QV-14151

Associative selection behavior is inconsistent after upgrade from QlikView 11.20 to November 2017

Jira issue: QV-14178

Interval number format is incorrect on export to Excel

Jira issue: QV-14179

Straight table shifts half of the values to the above row in WebView and AJAX

Jira issue: QV-14187

"Index out of range. Must be non-negative and less than the size of the collection" shown for several tasks

Jira issue: QV-14203

Large QVW files take longer to open in QlikView November 2017 compared to 11.20

Jira issue: QV-14206

Cycle Groups in a chart containing expression value with Conditional box checked no longer available after upgrade

Jira issue: QV-14254

User defined functions not available for chart expressions in QlikView Server

Jira issue: QV-14266

Second expression in line chart object missing after upgrade to QlikView November 2017 SR5

Jira issue: QV-14323

AbsoluteMaximumMinutesBeforeTaskTimeout not working after upgrade from QlikView 11.20 to November 2017

Jira issue: QV-14348

Wrong format for Session Duration in Session Log files

Jira issue: QV-14349

When selecting an object inside a container object in AJAX and WebView, the becomes unresponsive until the web page is refreshed

Jira issue: QV-14493

"Drawing of chart failed internally" message shown if one set Enable Conditional is set to 0 for a dimension

Jira issue: QV-14555

Webticketing Fails in November 2017 SR5 When Using Windows Authentication With Users Belonging to a Group

Jira issue: QV-14575

Scatter chart does not print after upgrade to QlikView November 2017

Jira issue: QV-14581

Japanese text is corrupted in QlikView when opening an htm file created in MS Word

Jira issue: QV-14615

Log split daily although set to be split weekly

Jira issue: QV-14639

Objects with conditional show in a container object make QlikView unresponsive in AJAX client and WebView

Jira issue: QV-14652

QlikView Dashboard stops working when opening a sheet via Access Point

Jira issue: QV-14661

The dialog for Client Refresh Initiation Mode is available only one time per session

Jira issue: QV-14665

Script error in web mode & In AJAX making QlikView unresponsive

Jira issue: QV-14718

"Failed to connect to QlikView Connector" or "Failed to unbundle QVConnect" error messages shown in QlikView due to group policies

Jira issue: QV-14723

Ajax client stops working in QlikView November 2017 SR5 when switching between sheets

Jira issue: QV-14745

QlikView document crashes after upgrade to QlikView November 2017

Jira issue: QV-14746

Straight table not showing all entries in horizontal view after upgrade to QlikView November 2017

Jira issue: QV-14753

Search object function not working as expected in WebView

Jira issue: QV-14778

GeoAnalytics analytics causes QlikView to stop working when more than 1000 point/areas are selected

Jira issue: QV-14788

Objects are not rendered properly in report when printing directly through IE plug-in

Jira issue: QV-14801

Listbox in container not displaying data until clicking on search icon

Jira issue: QV-14851

"Loading Content" message doesn't appear when opening the Access Point

Jira issue: QV-14861

QlikView document become unresponsive after upgrade to QlikView November 2017

Jira issue: QV-14863

Calculated 0 value divided by negative values treated differently after upgrade to November 2017

Jira issue: QV-14869

"This engine is about to expire" message presented although license is valid

Jira issue: QV-14885

Sort order incorrect in list box contained in container object in AJAX and WebView

Jira issue: QV-14898

Document makes QlikView server unresponsive with Internal Inconsistency Type F or A

Jira issue: QV-14936

Column order changed after upgrade from QlikView 11.20 to November 2017

Jira issue: QV-14945

"Run Macro to Select Values" makes document unresponsive after upgrade to November 2017

Jira issue: QV-14999

Start and Exit Logs entries don't contain Date and Timestamp information

Jira issue: QV-15005

"Drawing of chart failed internally" message displayed and chart fail to load in Desktop November 2017 SR6

Jira issue: QV-15155

Data within sub-container is not rendered until another action within the document is performed

Jira issue: QV-15165

Variable gets NULL value when reloaded in BNF mode

Jira issue: QV-15601

Stacked bar chart "Value on data points" shows overlapping data points

Jira issue: QV-15611

Engine Crashing with Internal Inconsistency CPV

Jira issue: QLIK-76888

Curly braces stripped from values in a connection string when passed to a connector

Jira issue: QLIK-81788

List of time zone values available in ICU libraries

Here you find a complete list of time zone values available in the ICU libraries. When setting a hardcoded value for the "timezone" parameter to be used in "ConvertToLocalTime" and "LocalTime" functions, make sure the value matches one of the values in this list. For more information, see the "Known issues and limitations" section in this document.

Abidjan	Africa/Ceuta	Africa/Mbabane	America/Argentina/Buenos
Abu Dhabi	Africa/Conakry	Africa/Mogadishu	Aires
Accra	Africa/Dakar	Africa/Monrovia	America/Argentina/Catamarca
Acre	Africa/Dar es Salaam	Africa/Nairobi	America/Argentina/ComodRi
ACT	Africa/Djibouti	Africa/Ndjamena	vadavia
Adak	Africa/Douala	Africa/Niamey	America/Argentina/Cordoba
Addis Ababa	Africa/El Aaiun	Africa/Nouakchott	America/Argentina/Jujuy
Adelaide	Africa/Freetown	Africa/Ouagadougou	America/Argentina/La Rioja
Aden	Africa/Gaborone	Africa/Porto-Novo	America/Argentina/Mendoza
AET	Africa/Harare	Africa/Sao Tome	America/Argentina/Rio
Africa/Abidjan	Africa/Johannesburg	Africa/Timbuktu	Gallegos
Africa/Accra	Africa/Juba	Africa/Tripoli	America/Argentina/Salta
Africa/Addis Ababa	Africa/Kampala	Africa/Tunis	America/Argentina/San Juan
Africa/Algiers	Africa/Khartoum	Africa/Windhoek	America/Argentina/San Luis
Africa/Asmara	Africa/Kigali	AGT	America/Argentina/Tucuman
Africa/Asmera	Africa/Kinshasa	Alaska	America/Argentina/Ushuaia
Africa/Bamako	Africa/Lagos	Aleutian	America/Aruba
Africa/Bangui	Africa/Libreville	Algiers	America/Asuncion
Africa/Banjul	Africa/Lome	Almaty	America/Atikokan
Africa/Bissau	Africa/Luanda	America/Adak	America/Atka
Africa/Blantyre	Africa/Lubumbashi	America/Anchorage	America/Bahia
Africa/Brazzaville	Africa/Lusaka	America/Anguilla	America/Bahia Banderas
Africa/Bujumbura	Africa/Malabo	America/Antigua	America/Barbados
Africa/Cairo	Africa/Maputo	America/Araguaina	America/Belem
Africa/Casablanca	Africa/Maseru		America/Belize

America/Blanc-Sablon	America/Indiana/Winamac	America/Port of Spain	Antarctica/Mawson
America/Boa Vista	America/Indiana/Vincennes	America/Port-au-Prince	Antarctica/McMurdo
America/Bogota	America/Indianapolis	America/Porto Acre	Antarctica/Palmer
America/Boise	America/Inuvik	America/Porto Velho	Antarctica/Rothera
America/Buenos Aires	America/Iqaluit	America/Puerto Rico	Antarctica/South Pole
America/Cambridge Bay	America/Jamaica	America/Punta Arenas	Antarctica/Syowa
America/Campo Grande	America/Jujuy	America/Rainy River	Antarctica/Troll
America/Cancun	America/Juneau	America/Rankin Inlet	Antarctica/Vostok
America/Caracas	America/Kentucky/Louisville	America/Recife	Antigua
America/Catamarca	America/Kentucky/Monticello	America/Regina	Apia
America/Cayenne	America/Knox IN	America/Resolute	Aqtau
America/Cayman	America/Kralendijk	America/Rio Branco	Aqtobe
America/Chicago	America/La Paz	America/Rosario	Araguaina
America/Chihuahua	America/Lima	America/Santa Isabel	Arctic/Longyearbyen
America/Coral Harbour	America/Los Angeles	America/Santarem	Argentina/Buenos Aires
America/Cordoba	America/Louisville	America/Santiago	Argentina/Catamarca
America/Costa Rica	America/Lower Princes	America/Santo Domingo	Argentina/ComodRivadavia
America/Creston	America/Maceio	America/Sao Paulo	Argentina/Cordoba
America/Cuiaba	America/Managua	America/Scoresbysund	Argentina/Jujuy
America/Curacao	America/Manaus	America/Shiprock	Argentina/La Rioja
America/Danmarkshavn	America/Marigot	America/Sitka	Argentina/Mendoza
America/Dawson	America/Martinique	America/St Barthelemy	Argentina/Rio Gallegos
America/Dawson Creek	America/Matamoros	America/St Johns	Argentina/Salta
America/Denver	America/Mazatlan	America/St Kitts	Argentina/San Juan
America/Detroit	America/Mendoza	America/St Lucia	Argentina/San Luis
America/Dominica	America/Menominee	America/St Thomas	Argentina/Tucuman
America/Edmonton	America/Merida	America/St Vincent	Argentina/Ushuaia
America/Eirunepe	America/Metlakatla	America/Swift Current	Arizona
America/El Salvador	America/Mexico City	America/Tegucigalpa	ART
America/Ensenada	America/Miquelon	America/Thule	Aruba
America/Fort Nelson	America/Moncton	America/Thunder Bay	Ashgabat
America/Fort Wayne	America/Monterrey	America/Tijuana	Ashkhabad
America/Fortaleza	America/Montevideo	America/Toronto	Asia/Aden
America/Glace Bay	America/Montreal	America/Tortola	Asia/Almaty
America/Godthab	America/Montserrat	America/Vancouver	Asia/Amman
America/Goose Bay	America/Nassau	America/Whitehorse	Asia/Anadyr
America/Grand Turk	America/New York	America/Winnipeg	Asia/Aqtau
America/Grenada	America/Nipigon	America/Virgin	Asia/Aqtobe
America/Guadeloupe	America/Nome	America/Yakutat	Asia/Ashgabat
America/Guatemala	America/Noronha	America/Yellowknife	Asia/Ashkhabad
America/Guayaquil	America/North	Amman	Asia/Atyrau
America/Guyana	Dakota/Beulah	Amsterdam	Asia/Baghdad
America/Halifax	America/North	Anadyr	Asia/Bahrain
America/Havana	Dakota/Center	Anchorage	Asia/Baku
America/Hermosillo	America/North Dakota/New	Andorra	Asia/Bangkok
America/Indiana/Indianapolis	Salem	Anguilla	Asia/Barnaul
America/Indiana/Knox	America/Ojinaga	Antananarivo	Asia/Beirut
America/Indiana/Marengo	America/Panama	Antarctica/Casey	Asia/Bishkek
America/Indiana/Petersburg	America/Pangnirtung	Antarctica/Davis	Asia/Brunei
America/Indiana/Tell City	America/Paramaribo	Antarctica/DumontDUrville	Asia/Calcutta
America/Indiana/Vevay	America/Phoenix	Antarctica/Macquarie	Asia/Chita

Asia/Choibalsan	Asia/Riyadh	Atlantic/St Helena	Bishkek
Asia/Chongqing	Asia/Saigon	Atlantic/Stanley	Bissau
Asia/Chungking	Asia/Sakhalin	Atyrau	Blanc-Sablon
Asia/Colombo	Asia/Samarkand	Auckland	Blantyre
Asia/Dacca	Asia/Seoul	Australia/ACT	Boa Vista
Asia/Damascus	Asia/Shanghai	Australia/Adelaide	Bogota
Asia/Dhaka	Asia/Singapore	Australia/Brisbane	Boise
Asia/Dili	Asia/Srednekolymsk	Australia/Broken Hill	Bougainville
Asia/Dubai	Asia/Taipei	Australia/Canberra	Brasilia
Asia/Dushanbe	Asia/Tashkent	Australia/Currie	Bratislava
Asia/Famagusta	Asia/Tbilisi	Australia/Darwin	Brazil/Acre
Asia/Gaza	Asia/Tehran	Australia/Eucla	Brazil/DeNoronha
Asia/Harbin	Asia/Tel Aviv	Australia/Hobart	Brazil/East
Asia/Hebron	Asia/Thimbu	Australia/LHI	Brazil/West
Asia/Ho Chi Minh	Asia/Thimphu	Australia/Lindeman	Brazzaville
Asia/Hong Kong	Asia/Tokyo	Australia/Lord Howe	Brisbane
Asia/Hovd	Asia/Tomsk	Australia/Melbourne	Broken Hill
Asia/Irkutsk	Asia/Ujung Pandang	Australia/North	Brunei
Asia/Istanbul	Asia/Ulaanbaatar	Australia/NSW	Brussels
Asia/Jakarta	Asia/Ulan Bator	Australia/Perth	BST
Asia/Jayapura	Asia/Urumqi	Australia/Queensland	Bucharest
Asia/Jerusalem	Asia/Ust-Nera	Australia/South	Budapest
Asia/Kabul	Asia/Vientiane	Australia/Sydney	Buenos Aires
Asia/Kamchatka	Asia/Vladivostok	Australia/Tasmania	Bujumbura
Asia/Karachi	Asia/Yakutsk	Australia/West	Busingen
Asia/Kashgar	Asia/Yangon	Australia/Victoria	Cairo
Asia/Kathmandu	Asia/Yekaterinburg	Australia/Yancowinna	Calcutta
Asia/Katmandu	Asia/Yerevan	Azores	Cambridge Bay
Asia/Khandyga	Asmara	Baghdad	Campo Grande
Asia/Kolkata	Asmera	Bahia	Canada/Atlantic
Asia/Krasnoyarsk	AST	Bahia Banderas	Canada/Central
Asia/Kuala Lumpur	AST4	Bahrain	Canada/Eastern
Asia/Kuching	AST4ADT	BajaNorte	Canada/East-Saskatchewan
Asia/Kuwait	Astana	BajaSur	Canada/Mountain
Asia/Macao	Astrakhan	Baku	Canada/Newfoundland
Asia/Macau	Asuncion	Bamako	Canada/Pacific
Asia/Magadan	Athens	Bangkok	Canada/Saskatchewan
Asia/Makassar	Atikokan	Bangui	Canada/Yukon
Asia/Manila	Atka	Banjul	Canary
Asia/Muscat	Atlantic	Barbados	Canberra
Asia/Nicosia	Atlantic Time (Canada)	Barnaul	Cancun
Asia/Novokuznetsk	Atlantic/Azores	Beijing	Cape Verde
Asia/Novosibirsk	Atlantic/Bermuda	Beirut	Caracas
Asia/Omsk	Atlantic/Canary	Belem	Casablanca
Asia/Oral	Atlantic/Cape Verde	Belfast	Casey
Asia/Phnom Penh	Atlantic/Faeroe	Belgrade	CAT
Asia/Pontianak	Atlantic/Faroe	Belize	Catamarca
Asia/Pyongyang	Atlantic/Jan Mayen	Berlin	Cayenne
Asia/Qatar	Atlantic/Madeira	Bermuda	Cayman
Asia/Qyzylorda	Atlantic/Reykjavik	Bern	Central
Asia/Rangoon	Atlantic/South Georgia	BET	Central America

Central Time (US & Canada)	Dominica	Europe/Istanbul	Fort Wayne
CET	Douala	Europe/Jersey	Fortaleza
Ceuta	Dubai	Europe/Kaliningrad	Freetown
Chagos	Dublin	Europe/Kiev	Funafuti
Chatham	DumontDUrville	Europe/Kirov	Gaborone
Chennai	Dushanbe	Europe/Lisbon	Galapagos
Chicago	East	Europe/Ljubljana	Gambier
Chihuahua	Easter	Europe/London	Gaza
Chile/Continental	EasterIsland	Europe/Luxembourg	GB
Chile/EasterIsland	Eastern	Europe/Madrid	GB-Eire
Chisinau	Eastern Time (US & Canada)	Europe/Malta	General
Chita		Europe/Mariehamn	Georgetown
Choibalsan	East-Indiana	Europe/Minsk	Gibraltar
Chongqing	East-Saskatchewan	Europe/Monaco	Glace Bay
Christmas	EAT	Europe/Moscow	GMT
Chungking	ECT	Europe/Nicosia	GMT+00:00
Chuuk	Edinburgh	Europe/Oslo	GMT+01:00
CNT	Edmonton	Europe/Paris	GMT+10:00
Cocos	EET	Europe/Podgorica	GMT+11:00
Colombo	Efate	Europe/Prague	GMT+12:00
Comoro	Egypt	Europe/Riga	GMT+02:00
Conakry	Eire	Europe/Rome	GMT+03:00
Continental	Eirunepe	Europe/Samara	GMT+04:00
Copenhagen	Ekaterinburg	Europe/San Marino	GMT+05:00
Coral Harbour	El Aaiun	Europe/Sarajevo	GMT+06:00
Cordoba	El Salvador	Europe/Saratov	GMT+07:00
Costa Rica	Enderbury	Europe/Simferopol	GMT+08:00
Creston	Ensenada	Europe/Skopje	GMT+09:00
CST	EST	Europe/Sofia	GMT00:00
CST6	EST5	Europe/Stockholm	GMT-00:00
CST6CDT	EST5EDT	Europe/Tallinn	GMT-01:00
CTT	Eucla	Europe/Tirane	GMT-10:00
Cuba	Europe/Amsterdam	Europe/Tiraspol	GMT-11:00
Cuiaba	Europe/Andorra	Europe/Ulyanovsk	GMT-12:00
Curacao	Europe/Astrakhan	Europe/Uzhgorod	GMT-13:00
Currie	Europe/Athens	Europe/Vaduz	GMT-14:00
Dacca	Europe/Belfast	Europe/Warsaw	GMT-02:00
Dakar	Europe/Belgrade	Europe/Vatican	GMT-03:00
Damascus	Europe/Berlin	Europe/Vienna	GMT-04:00
Danmarkshavn	Europe/Bratislava	Europe/Vilnius	GMT-05:00
Dar es Salaam	Europe/Brussels	Europe/Volgograd	GMT-06:00
Darwin	Europe/Bucharest	Europe/Zagreb	GMT-07:00
Davis	Europe/Budapest	Europe/Zaporozhye	GMT-08:00
Dawson	Europe/Busingen	Europe/Zurich	GMT-09:00
Dawson Creek	Europe/Chisinau	Factory	Godthab
DeNoronha	Europe/Copenhagen	Faeroe	Goose Bay
Denver	Europe/Dublin	Fakaofo	Grand Turk
Detroit	Europe/Gibraltar	Famagusta	Greenwich
Dhaka	Europe/Guernsey	Faroe	Grenada
Dili	Europe/Helsinki	Fiji	Guadalajara
Djibouti	Europe/Isle of Man	Fort Nelson	Guadalcanal

Guadeloupe	Irkutsk	Libya	Mexico City
Guam	Islamabad	Lima	Mexico/BajaNorte
Guatemala	Isle of Man	Lindeman	Mexico/BajaSur
Guayaquil	Israel	Lisbon	Mexico/General
Guernsey	IST	Ljubljana	Michigan
Guyana	Istanbul	Lome	Midway
Halifax	Jakarta	London	Minsk
Hanoi	Jamaica	Longyearbyen	Miquelon
Harare	Jan Mayen	Lord Howe	MIT
Harbin	Japan	Los Angeles	Mogadishu
Hawaii	Jayapura	Louisville	Monaco
Havana	Jersey	Lower Princes	Moncton
Hebron	Jerusalem	Luanda	Monrovia
Helsinki	Johannesburg	Lubumbashi	Monterrey
Hermosillo	Johnston	Lusaka	Montevideo
Ho Chi Minh	JST	Luxembourg	Montreal
Hobart	Juba	Macao	Montserrat
Hong Kong	Jujuy	Macau	Moscow
Hongkong	Juneau	Maceio	Mountain
Honolulu	Kabul	Macquarie	Mountain Time (US &
Hovd	Kaliningrad	Madeira	Canada)
HST	Kamchatka	Madrid	MST
HST10	Kampala	Magadan	MST7
Iceland	Karachi	Mahe	MST7MDT
IET	Kashgar	Majuro	Mumbai
Indian/Antananarivo	Kathmandu	Makassar	Muscat
Indian/Chagos	Katmandu	Malabo	Nairobi
Indian/Christmas	Kentucky/Louisville	Maldives	Nassau
Indian/Cocos	Kentucky/Monticello	Malta	Nauru
Indian/Comoro	Kerguelen	Managua	Navajo
Indian/Kerguelen	Khandyga	Manaus	Ndjamena
Indian/Mahe	Khartoum	Manila	NET
Indian/Maldives	Kiev	Maputo	New Caledonia
Indian/Mauritius	Kigali	Mariehamn	New Delhi
Indian/Mayotte	Kinshasa	Marigot	New York
Indian/Reunion	Kiritimati	Marquesas	Newfoundland
Indiana (East)	Kirov	Martinique	Niamey
Indiana/Indianapolis	Knox IN	Maseru	Nicosia
Indiana/Knox	Kolkata	Matamoros	Nipigon
Indiana/Marengo	Kosrae	Mauritius	Niue
Indiana/Petersburg	Kralendijk	Mawson	Nome
Indiana/Tell City	Krasnoyarsk	Mayotte	Norfolk
Indiana/Vevay	Kuala Lumpur	Mazatlan	Noronha
Indiana/Winamac	Kuching	Mbabane	North
Indiana/Vincennes	Kuwait	McMurdo	North Dakota/Beulah
Indianapolis	Kwajalein	Melbourne	North Dakota/Center
Indiana-Starke	Kyiv	Mendoza	North Dakota/New Salem
International Date Line West	La Paz	Menominee	Nouakchott
Inuvik	Lagos	Merida	Noumea
Iqaluit	LHI	MET	Novokuznetsk
Iran	Libreville	Metlakatla	Novosibirsk

NST	Pacific/Tongatapu	Resolute	St. Petersburg
NSW	Pacific/Truk	Reunion	Stanley
Nuku'alofa	Pacific/Wake	Reykjavik	Stockholm
NZ	Pacific/Wallis	Riga	Swift Current
NZ-CHAT	Pacific/Yap	Rio Branco	Sydney
Ojinaga	Pacific-New	Riyadh	Syowa
Omsk	Pago Pago	ROC	SystemV/AST4
Oral	Palau	ROK	SystemV/AST4ADT
Osaka	Palmer	Rome	SystemV/CST6
Oslo	Panama	Rosario	SystemV/CST6CDT
Ouagadougou	Pangnirtung	Rothera	SystemV/EST5
Pacific	Paramaribo	Saigon	SystemV/EST5EDT
Pacific Time (US & Canada)	Paris	Saipan	SystemV/HST10
Pacific/Apia	Perth	Sakhalin	SystemV/MST7
Pacific/Auckland	Phnom Penh	Samara	SystemV/MST7MDT
Pacific/Bougainville	Phoenix	Samarkand	SystemV/PST8
Pacific/Chatham	Pitcairn	Samoa	SystemV/PST8PDT
Pacific/Chuuk	PLT	San Marino	SystemV/YST9
Pacific/Easter	PNT	Santa Isabel	SystemV/YST9YDT
Pacific/Efate	Podgorica	Santarem	Tahiti
Pacific/Enderbury	Pohnpei	Santiago	Taipei
Pacific/Fakaofo	Poland	Santo Domingo	Tallinn
Pacific/Fiji	Ponape	Sao Paulo	Tarawa
Pacific/Funafuti	Pontianak	Sao Tome	Tashkent
Pacific/Galapagos	Port Moresby	Sapporo	Tasmania
Pacific/Gambier	Port of Spain	Sarajevo	Tbilisi
Pacific/Guadalcanal	Port-au-Prince	Saratov	Tegucigalpa
Pacific/Guam	Porto Acre	Saskatchewan	Tehran
Pacific/Honolulu	Porto Velho	Scoresbysund	Tel Aviv
Pacific/Johnston	Porto-Novo	Seoul	Thimbu
Pacific/Kiritimati	Portugal	Shanghai	Thimphu
Pacific/Kosrae	Prague	Shiprock	Thule
Pacific/Kwajalein	PRC	Simferopol	Thunder Bay
Pacific/Majuro	Pretoria	Singapore	Tijuana
Pacific/Marquesas	PRT	Sitka	Timbuktu
Pacific/Midway	PST	Skopje	Tirane
Pacific/Nauru	PST8	Sofia	Tiraspol
Pacific/Niue	PST8PDT	Solomon Is.	Tokyo
Pacific/Norfolk	Puerto Rico	South	Tomsk
Pacific/Noumea	Punta Arenas	South Georgia	Tongatapu
Pacific/Pago Pago	Pyongyang	South Pole	Toronto
Pacific/Palau	Qatar	Srednekolymsk	Tortola
Pacific/Pitcairn	Queensland	Sri Jayawardenepura	Tripoli
Pacific/Pohnpei	Quito	SST	Troll
Pacific/Ponape	Qyzylorda	St Barthelemy	Truk
Pacific/Port Moresby	Rainy River	St Helena	Tunis
Pacific/Rarotonga	Rangoon	St Johns	Turkey
Pacific/Saipan	Rankin Inlet	St Kitts	UCT
Pacific/Samoa	Rarotonga	St Lucia	Ujung Pandang
Pacific/Tahiti	Recife	St Thomas	Ulaanbaatar
Pacific/Tarawa	Regina	St Vincent	Ulan Bator

Ulyanovsk	US/Samoa	Victoria	Yangon
Universal	Ust-Nera	Vienna	Yap
Urumqi	UTC	Vientiane	Yekaterinburg
US/Alaska	Uzhgorod	Vilnius	Yellowknife
US/Aleutian	Vaduz	Windhoek	Yerevan
US/Arizona	Wake	Winnipeg	YST9
US/Central	Wallis	Virgin	YST9YDT
US/Eastern	Vancouver	Vladivostok	Yukon
US/East-Indiana	Warsaw	Volgograd	Zagreb
US/Hawaii	Vatican	Vostok	Zaporozhye
US/Indiana-Starke	Wellington	VST	Zulu
US/Michigan	West	W-SU	Zurich
US/Mountain	West Central Africa	Yakutat	
US/Pacific	WET	Yakutsk	
US/Pacific-New	Whitehorse	Yancowinna	

Qlik Q ®   **LEAD WITH DATA**™

About Qlik

Qlik is on a mission to create a data-literate world, where everyone can use data to solve their most challenging problems. Only Qlik's end-to-end data management and analytics platform brings together all of an organization's data from any source, enabling people at any skill level to use their curiosity to uncover new insights. Companies use Qlik to see more deeply into customer behavior, reinvent business processes, discover new revenue streams, and balance risk and reward. Qlik does business in more than 100 countries and serves over 48,000 customers around the world.

qlik.com