DB2 Web Query New Features

Release 2.2.0

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Chapter 1

April 2018 - Hotfix 5

This documentation describes known issues, web browser support, and mobile support for the April 2018 - 2.2.0 Hotfix 5 release.

Note: The April 2018 - 2.2.0 HF5 release is a maintenance release only. No new features were introduced in this Hotfix.

This document is intended for all levels of users, including application developers, administrators, and end users. It is also intended to serve as a quick reference for users upgrading from a prior version.

In this chapter:

- Web Browser Support
- Mobile Browser Support

Web Browser Support

The following table provides browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 5.

Note: Microsoft Edge™ 40 is also certified for this release.

✓ Supported ✓ Supported with minor issues Under evaluation

— Not evaluated ✗ Not supported

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v57	Safari v8.0.6	Chrome v63
Reporting						
Active Reports	✓	✓	✓	✓	✓	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v57	Safari v8.0.6	Chrome v63
HTML Composer pages	Standards mode ✓	Standards mode ✓	Standards mode ✓	✓	✓	✓
InfoAssist	✓	✓	✓	✓	✓	✓
HTML Reporting Features						
HTML format *(No JavaScript)*	✓	✓	✓	✓	–	✓
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	Standards Mode ✓ Compatibility View ✓	Standards Mode ✓ Compatibility View ✓	✓	✓	–	✓
❑ Multi-drill	✓	✓	✓	✓	–	✓
❑ Table of Contents (BYTOC)	✓	✓	✓	✓	–	✓
Graph Requests (See Graph request notes below for additional information)						
Server-generated graphs	✓	✓	✓	✓	–	✓
Browser-generated (HTML5)	✓	✓	✓	✓	–	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v57	Safari v8.0.6	Chrome v63
Browser-generated (AHTML)	✓	✓	✓	✓	✓	✓
Browser-generated (AFLEX, APDF)	✓	✓	✓	✓	✓	✓
Web Interfaces						
Amper Auto-prompting	✓	✓	✓	✓	✓	✓
BI Portal	✓	✓	✓	✓	–	✓
OLAP	✓	✓	✓	✓	✓	✓
Report Broker	✓	✓	✓	✓	✓	✓
Desktop Tools						
Developer Workbench *(Requires Internet Explorer)*	✓	✓	–	✗	✗	✗
Administration Tools						
Security Center	✓	✓	✓	✓	–	✓
Web Query Administration Console	✓	✓	✓	✓	–	✓

Note:

- Simple HTML Web Query reports can be viewed on any browser.
- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Internet Explorer browsers or in scenarios where the browser is unknown (such as distributed by Report Broker) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are 64-bit encoded within the generated .htm file.
- Graph request notes:
  - Server-generated graphs refer to traditional graph requests that are generated on the Reporting Server, and then embedded as a bitmap or vector image in a document or webpage. This includes the following output formats:
    - Bitmap: PNG, JPG
    - Vector: PDF (but not active PDF), SVG
  - Browser-generated graphs refer to graphs that are rendered inside the browser. This is done using JavaScript in HTML5 compatible browsers and by Flash in older versions of Internet Explorer that are either not HTML5 compatible or are being run in a mode that is not HTML5 compatible. Browser-generated graphs are utilized in both standard HTML5 output (FORMAT JSCHART) and in Active Technologies (FORMAT AHTML and FORMAT AFLEX, APDF).

  Note: Applet-based charts (Java Graph engine running client-side) have been deprecated in Web Query Version 2.1 and are no longer tracked in this matrix.
- Mac Users: Firefox browser is supported on the Macintosh operating system. Firefox browser functionality is consistent with the Safari web browser.

- Adobe Reader support:
  - Adobe XI is certified.
  - Adobe X is certified.
  - Adobe Acrobat Reader Version 9 is supported.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the configuration information for the specific browser on how to change the Application Options settings for the relevant content types so that the browser will automatically use the Adobe Reader.

Mobile Browser Support

The following devices were used in testing Web Query Version 2.2.0 Hotfix 5.

- iOS 10 tablet
- iOS 9.3.2 tablet and phone
- iOS 8.4 touch
- iOS 8.2 tablet
- Android 6.0.1 tablet and phone
- Android 5.1.1 tablet and phone
- Mobile Faves version 3.2.0.2

The following table provides mobile browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 5.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Reporting				

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Active Reports	✔	✔	✔	✔
HTML Canvas pages	✔	✔	✔	–
PDF	✔	–	✔ (Requires third-party apps)	✘
Excel	✔	–	✔ (Requires third-party apps)	✘
PowerPoint (PPTX)	✔ (Requires third-party apps)	–	✔ (Requires third-party apps)	–
HTML Reporting Features				
HTML format *(No JavaScript)*	✔	–	✔	–
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	✔	–	✔	–
❑ Multi-drill	✔	–	✔	–
❑ Table of Contents (BYTOC)	✘	✘	✘	✘

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Graph Requests				
Server-generated graphs	✓	✓	✓	✓
Browser-generated (HTML5)	✓	✓	✓	✓
Browser-generated (AHTML)	✓	✓	✓	✓
Interfaces				
Amper Auto-prompting	✓	–	✓	–
Report Broker Explorer	✓ Tablets	–	✓ Tablets	–
Report Broker Console	✓ Tablets	–	✓ Tablets	–
Report Broker Scheduling Tool	✓ Tablets	–	✓ Tablets	–

Note: Web Query developer tools (InfoAssist) are not supported for mobile.

Chapter 2

July 2017 - Hotfix 4

This documentation describes new features, web browser support, and mobile support for the July 2017 - 2.2.0 Hotfix 4 release.

This document is intended for all levels of users, including application developers, administrators, and end users. It is also intended to serve as a quick reference for users upgrading from a prior version.

In this chapter:

- Auditing Enhancements
- DB2 Web Query for i Enhancements
- Report Broker Enhancements
- Web Browser Support
- Mobile Browser Support

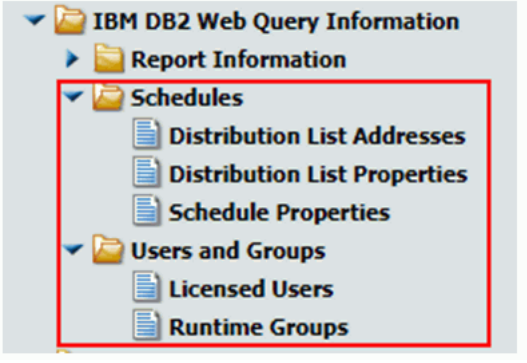
Auditing Enhancements

Two new sets of reports have been added to the IBM DB2 Web Query information folder suite. These reports, intended for Web Query administrators, provide answers to administrative and auditing questions regarding schedules, users, and run-time groups. They answer commonly asked questions, such as:

- How can you tell what private content in Web Query is owned by the user or what schedules run under the user ID? This can be used, for example, to verify that it is safe to delete a user from DB2 Web Query or delete the IBM i User Profile.
- Where can you find a list of the licensed run-time group profiles, and to which folders are they authorized?
- When was the last time a user signed in to Web Query?
- Who is authorized (licensed) to use Developer Workbench?
- Which distribution lists are unused by any schedules and may be candidates for cleanup?

When level 4 is applied, these IBM-supplied reports are restored on your system as a Change Management package. On first startup, they are automatically imported into the Web Query repository.

The reports appear on the BI portal under the top-level folder, named IBM DB2 Web Query Information. The Schedules subfolder contains active reports for schedules and distribution lists. The Users and Groups subfolder contains reports for licensed users and Runtime Enablement groups. The new folder structure is shown in the following image.



Schedules and distribution lists may only be created under Standard Edition. However, the reports in the Schedules subfolder still show up in Express Edition and can even be run without Standard Edition. The reports are empty unless there are residual schedules or distribution lists that were created while Standard Edition was active (for example, during the 70-day trial period) and that still exist in the repository. These items may be recovered by adding a license key for Standard Edition.

DB2 Web Query for i Enhancements

The following new features apply to DB2 Web Query for i.

&&RTENAME Global Variable

The variable &&RTENAME returns the name of the active run-time environment of a user at the time a report is run. If no RTE is active, the variable returns the value *NONE. For reports that take advantage of single-part metadata naming, that is, to run against different libraries of similarly structured data, the variable provides an easy way to identify which environment was accessed when the report was run. Like other global variables, &&RTENAME is predefined and its value is automatically supplied by the server. You can use the variable in the heading or footer of a report, or for Standard Edition, you can use it in the actual email subject, email attachment name, or FTP file name of a report schedule.

Journal Receiver Maintenance

The DB2 Web Query repository resides in an SQL schema named QWQREPOS. It includes journal receivers which, unmanaged over time, can consume large amounts of disk space. To minimize the repository size, one-time maintenance is performed to delete old receivers. The journal attributes are changed to automatically delete future receivers when they are no longer needed.

RUNWQFEX and SSL

The Run Web Query Report (RUNWQFEX) CL command now supports Secure Sockets Layer (SSL), a standard security technology. When DB2 Web Query is configured for SSL enablement, RUNWQFEX automatically uses it. For details on how to configure SSL, refer to the *SSL Enablement* guide on the DB2 Web Query wiki, located at:

https://ibm.biz/BdiNHE

Automatic QWQCENT Updates

QWQCENT is the sample database for the IBM DB2 Web Query redbook tutorials. In Hotfix 3, updates to QWQCENT were provided in a save file, but a manual Restore Library (RSTLIB) command was necessary to refresh it. Beginning in Hotfix 4, these updates to the QWQCENT library will be restored automatically.

Report Broker Enhancements

The following new feature applies to Report Broker.

Purging Report Broker Log Files

The Report Broker log purge is set to run at 1:00 A.M. local time. If the Distribution Server is not running when the Report Broker log purge is scheduled to run, the BOTLOG and BOTLOG2 tables will grow in size because records are not being deleted. Changing the log purge period to a time when the Distribution Server is running will address this issue.

If your Web Query server is brought down nightly, you are likely affected by this table growth. You can take action by using the following settings to control the purging of Report Broker log files.

`Log Purge Period`

Automatically purges individual log reports when they are older than a set number of days, The default value is 30 days. The maximum value is 365 days.

`Log Purge Time`

Time at which log purging occurs. The default value is 1:00 A.M.

Procedure: How to Change the Report Broker Log Purge Time

1. Sign in to the Web Query portal with the QWQADMIN ID.
2. From the Administration menu, select *Administration Console*.
3. In the Administration Console tree, expand *Report Broker*.
4. Click *Configuration*.
5. For Log Purge Period, choose the number of days for which logs will be kept. Logs outside of this period will be deleted.
6. For Log Purge Time, select a time when the Distribution Server will be running and Report Broker Schedules are not being executed.
7. Click *Save* to save the changes and to restart the Distribution Server.

Web Browser Support

The following table provides browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 4.

Note: Microsoft Windows 10 Edge is also certified for this release.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v53	Safari v8.0.6	Chrome v58
Reporting						
Active Reports						
HTML Composer pages	Standards mode	Standards mode	Standards mode			

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v53	Safari v8.0.6	Chrome v58
InfoAssist	✓	✓	✓	✓	✓	✓
HTML Reporting Features						
HTML format *(No JavaScript)*	✓	✓	✓	✓	–	✓
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	Standards Mode ✓ Compatibility View ✓	Standards Mode ✓ Compatibility View ✓	✓	✓	–	✓
❑ Multi-drill	✓	✓	✓	✓	–	✓
❑ Table of Contents (BYTOC)	✓	✓	✓	✓	–	✓
Graph Requests (See Graph request notes below for additional information)						
Server-generated graphs	✓	✓	✓	✓	–	✓
Browser-generated (HTML5)	✓	✓	✓	✓	–	✓
Browser-generated (AHTML)	✓	✓	✓	✓	✓	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v53	Safari v8.0.6	Chrome v58
Browser-generated (AFLEX, APDF)	✓	✓	✓	✓	✓	✓
Web Interfaces						
Amper Auto-prompting	✓	✓	✓	✓	✓	✓
BI Portal	✓	✓	✓	✓	–	✓
OLAP	✓	✓	✓	✓	✓	✓
Report Broker	✓	✓	✓	✓	✓	✓
Desktop Tools						
Developer Workbench *(Requires Internet Explorer)*	✓	✓	–	✗	✗	✗
Administration Tools						
Security Center	✓	✓	✓	✓	–	✓
Web Query Administration Console	✓	✓	✓	✓	–	✓

Note:

- Simple HTML Web Query reports can be viewed on any browser.
- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Internet Explorer browsers or in scenarios where the browser is unknown (such as distributed by Report Broker) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are 64-bit encoded within the generated .htm file.
- Graph request notes:
  - Server-generated graphs refer to traditional graph requests that are generated on the Reporting Server, and then embedded as a bitmap or vector image in a document or webpage. This includes the following output formats:
    - Bitmap: PNG, JPG
    - Vector: PDF (but not active PDF), SVG
  - Browser-generated graphs refer to graphs that are rendered inside the browser. This is done using JavaScript in HTML5 compatible browsers and by Flash in older versions of Internet Explorer that are either not HTML5 compatible or are being run in a mode that is not HTML5 compatible. Browser-generated graphs are utilized in both standard HTML5 output (FORMAT JSCHART) and in Active Technologies (FORMAT AHTML and FORMAT AFLEX, APDF).

  Note: Applet-based charts (Java Graph engine running client-side) have been deprecated in Web Query Version 2.1 and are no longer tracked in this matrix.
- Mac Users: Firefox browser is supported on the Macintosh operating system. Firefox browser functionality is consistent with the Safari web browser.

- Adobe Reader support:
  - Adobe XI is certified.
  - Adobe X is certified.
  - Adobe Acrobat Reader Version 9 is supported.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the configuration information for the specific browser on how to change the Application Options settings for the relevant content types so that the browser will automatically use the Adobe Reader.

Mobile Browser Support

The following devices were used in testing Web Query Version 2.2.0 Hotfix 4.

- iOS 10 tablet
- iOS 9.3.2 tablet and phone
- iOS 8.4 touch
- iOS 8.2 tablet
- Android 6.0.1 tablet and phone
- Android 5.1.1 tablet and phone
- Mobile Faves version 3.2.0.2

The following table provides mobile browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 4.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Reporting				

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Active Reports	✔	✔	✔	✔
HTML Canvas pages	✔	✔	✔	–
PDF	✔	–	✔ (Requires third-party apps)	✘
Excel	✔	–	✔ (Requires third-party apps)	✘
PowerPoint (PPTX)	✔ (Requires third-party apps)	–	✔ (Requires third-party apps)	–
HTML Reporting Features				
HTML format *(No JavaScript)*	✔	–	✔	–
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	✔	–	✔	–
❑ Multi-drill	✔	–	✔	–
❑ Table of Contents (BYTOC)	✘	✘	✘	✘

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Graph Requests				
Server-generated graphs	✓	✓	✓	✓
Browser-generated (HTML5)	✓	✓	✓	✓
Browser-generated (AHTML)	✓	✓	✓	✓
Interfaces				
Amper Auto-prompting	✓	–	✓	–
Report Broker Explorer	✓ Tablets	–	✓ Tablets	–
Report Broker Console	✓ Tablets	–	✓ Tablets	–
Report Broker Scheduling Tool	✓ Tablets	–	✓ Tablets	–

Note: Web Query developer tools (InfoAssist) are not supported for mobile.

Chapter 3

April 2017 - Hotfix 3

This documentation describes new features, web browser support, and mobile support for the April 2017 - 2.2.0 Hotfix 3 release.

This document is intended for all levels of users, including application developers, administrators, and end users. It is also intended to serve as a quick reference for users upgrading from a prior version.

In this chapter:

- DB2 Web Query for i Enhancements
- Mobile Favorites Enhancement
- Change Management Enhancements
- Web Browser Support
- Mobile Browser Support

DB2 Web Query for i Enhancements

The following new features apply to DB2 Web Query for i.

Microsoft Edge Support

The Microsoft Windows 10 Edge browser is certified for DB2 Web Query and Developer Workbench in Hotfix 3.

License Capping Enhancements

Web Query 2.2.0 may be installed and activated on multiple partitions of a system. The license keys are shared by the partitions, but the usage entitlements of the keys are divided between them. The capping capabilities of Web Query allow an administrator to limit the resources that Web Query uses on a single partition. There are two types of capping:

- CPU workload capping
- A new user license capping

In addition to the new user license capping, there is a new method by which an administrator manages these capping values. A Web Query configuration file, QWQCONFIG, in library QWQREPOS, is introduced for this purpose.

User Capping

A customer, such as an independent service provider (ISP) who provides partitions to different tenants, may want to limit how much of the licensed *user pool* a given partition can use. The user capping enhancement in Web Query allows service providers and administrators to limit the license usage on a partition. Each of the user-registered features: Developer Users, Developer Workbench Users, and Runtime Enablement Groups, may be separately capped.

In QWQCONFIG, the user capping options allow an administrator to specify whether capping is desired on a partition, and the maximum number of user licenses to allow. The default is no capping. Changes to a user capping value take effect immediately, with no need to restart Web Query. If an administrator changes a cap to a value that is less than the current usage allocation on the partition, it is the responsibility of the administrator to resolve the overage.

Workload Capping

The workload capping feature of DB2 Web Query limits the CPU resources that Web Query can use on a given partition. It allows an administrator to split the usage entitlement of the core-based features, such as *BASE, Express Edition, or Standard Edition, between two or more partitions. The default is no capping. Without capping, the first partition(s) that starts Web Query could use all the entitlement, thereby preventing Web Query from being able to run concurrently on other partitions. To divide the license entitlement across multiple partitions on a system, it may be necessary to use workload capping.

While workload capping itself is not new, what is new is the method by which an administrator sets up workload capping. Previously, the administrator created a data area, QWQWLCGRP, in library QWQREPOS, to specify the number of cores to which the local partition was limited. Now, the administrator sets the value in the QWQCONFIG file. Values in existing data areas are automatically converted to the configuration file. The data area will be sunset and no longer used.

For more information, see the license capping document on the Web Query Wiki at *https://ibm.biz/Bdsg5C*.

QWQCONFIG File

The Web Query configuration file, QWQCONFIG, in library QWQREPOS, provides administrators with the ability to dynamically modify or override settings in their Web Query environment. Each partition running Web Query has its own QWQCONFIG file. This allows each partition to be configured separately. There is one record in the file for each configurable setting. Initially, the QWQCONFIG file contains four settings, one for each of the capping options.

The configuration file is created automatically by Web Query and is primed with one record for each setting. As indicated earlier, the primed value for workload capping is retrieved from the QWQWLCGRP data area, if it exists. The primed values for the other settings are set to the default value of no capping.

To display or change the settings, use SQL SELECT and UPDATE statements. The following example shows an SQL UPDATE statement that limits the number of Developer Users on a partition to four:

```
UPDATE QWQREPOS/QWQCONFIG set VAL='4' where PARM='CORE_CAP'
```

The following table provides more detail on the configuration options that can be set in the QWQCONFIG file. Future settings will be added, as needed.

Parameter	Value	Description
CORE_CAP	*DEFAULT	The default value is *NONE.
	*NONE	There is no workload capping for this partition.
	Integer value	The maximum number of CPU cores to use for DB2 Web Query for this partition. It must be an integer number from 1 to *n*.
USER_CAP	*DEFAULT	The default value is *NONE.
	*NONE	There is no Developer User capping for the partition.
	Integer value	The maximum number of licensed Developer Users to allow for DB2 Web Query for this partition. It must be an integer number from 1 to *n*.

Parameter	Value	Description
WORKBENCH_CAP	*DEFAULT	The default value is *NONE.
	*NONE	There is no Developer Workbench user capping for the partition.
	Integer value	The maximum number of licensed Developer Workbench users to allow for DB2 Web Query for this partition. It must be an integer number from 0 to *n*. If 0 is specified, then no users are allowed.
RUNTIME_GROUPS_CAP	*DEFAULT	The default value is *NONE.
	*NONE	There is no Runtime Enablement Group capping for the partition.
	Integer value	The maximum number of licensed Runtime Enablement Group profiles to allow for DB2 Web Query for this partition. It must be an integer number from 0 to *n*. If 0 is specified, then no users are allowed.

Updated Save File for QWQCENT

The Redbook tutorials for IBM DB2 Web Query are based on the Century Electronics sample application and the QWQCENT sample database. Updates were made to QWQCENT, and the refreshed library is available in save file QWEBQRY/QWQCENT. To restore the latest version database, use the following command:

```
RSTLIB SAVLIB(QWQCENT) DEV(*SAVF) SAVF(QWEBQRY/QWQCENT) MBROPT(*ALL)
ALWOBJDIF(*ALL)
```

The database updates are compatible with existing QWQCENT metadata and Century Electronics reports. However, the report output shows updated dates.

Automatic Import of IBM-Provided Reports

Web Query introduced a set of IBM-provided reports in Hotfix 1 for at-a-glance answers to basic administrative and auditing questions. To see and run the reports, it is no longer necessary to manually import the Change Management package. Web Query automatically imports the reports, if not already done. The reports are located on the Web Query repository tree in the IBM DB2 Web Query Information folder.

Mobile Favorites Enhancement

The following new features apply to DB2 Web Query Mobile Favorites.

Mobile Faves for Good Technology App

Specifically designed for the Good Dynamics mobile application platform, the WebFOCUS Mobile Faves for Good Technology app works on iPad and iPhone devices. This version of the Mobile Faves App should be used by customers who have implemented the Good Technology mobile security solution. It is the easy native way to view, store, and manage any mobile DB2 Web Query Business Intelligence content in all supported formats, and to view Dashboards delivered by DB2 Web Query.

The app supports the same capabilities as the standard WebFOCUS Mobile Faves app:

- Configure one or more DB2 Web Query Servers and set up user security to access Mobile Faves.
- List available mobile content and view it by tapping it in the list.
- Store and view previously run history for viewing offline, and for your future reference.
- Let DB2 Web Query content access device-specific functions, such as gps/geo-location, barcode reading, camera, photo library, and contact list.
- Share a Mobile Fave with any email users you designate.
- Provide enhanced support as a launcher for DB2 Web Query content you receive over standard email attachments in your Mail app.

When installed, Mobile Faves is automatically set up to get content from a server on the Internet, where you can view sample business content. You can add your own DB2 Web Query Mobile Faves capable web servers to the list with a few taps.

Note: To view your own content, VPN or SSL access might be required, depending on your DB2 Web Query security configuration.

Change Management Enhancements

The following new features apply to Change Management.

Publishing a Change Management Package

A Web Query Administrator can publish a Change Management package using the Publish option on the right-click context menu or from within the Change Management utility, using the Publish option from the Main Menu. Publishing a package allows other Web Query administrators to see the package and import it.

Support for Extensions

The Change Management Export utility now supports .txt and .sql file name extensions. Files in your application folder with these extensions can now be included when exporting to, and importing from, a Change Management package.

Web Browser Support

The following table provides browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 3.

Note: Microsoft Windows 10 Edge is also certified for this release.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v51	Safari v8.0.6	Chrome v56
Reporting						
Active Reports						
HTML Composer pages	Standards mode	Standards mode	Standards mode			

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v51	Safari v8.0.6	Chrome v56
InfoAssist	✓	✓	✓	✓	✓	✓
HTML Reporting Features						
HTML format *(No JavaScript)*	✓	✓	✓	✓	–	✓
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	Standards Mode ✓ Compatibility View ✓	Standards Mode ✓ Compatibility View ✓	✓	✓	–	✓
❑ Multi-drill	✓	✓	✓	✓	–	✓
❑ Table of Contents (BYTOC)	✓	✓	✓	✓	–	✓
Graph Requests (See Graph request notes below for additional information)						
Server-generated graphs	✓	✓	✓	✓	–	✓
Browser-generated (HTML5)	✓	✓	✓	✓	–	✓
Browser-generated (AHTML)	✓	✓	✓	✓	✓	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v51	Safari v8.0.6	Chrome v56
Browser-generated (AFLEX, APDF)	✓	✓	✓	✓	✓	✓
Web Interfaces						
Amper Auto-prompting	✓	✓	✓	✓	✓	✓
BI Portal	✓	✓	✓	✓	–	✓
OLAP	✓	✓	✓	✓	✓	✓
Report Broker	✓	✓	✓	✓	✓	✓
Desktop Tools						
Developer Workbench *(Requires Internet Explorer)*	✓	✓	–	✗	✗	✗
Administration Tools						
Security Center	✓	✓	✓	✓	–	✓
Web Query Administration Console	✓	✓	✓	✓	–	✓

Note:

- Simple HTML Web Query reports can be viewed on any browser.

- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Internet Explorer browsers or in scenarios where the browser is unknown (such as distributed by Report Broker) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are 64-bit encoded within the generated .htm file.
- Graph request notes:
  - Server-generated graphs refer to traditional graph requests that are generated on the Reporting Server, and then embedded as a bitmap or vector image in a document or webpage. This includes the following output formats:
    - Bitmap: PNG, JPG
    - Vector: PDF (but not active PDF), SVG
  - Browser-generated graphs refer to graphs that are rendered inside the browser. This is done using JavaScript in HTML5 compatible browsers and by Flash in older versions of Internet Explorer that are either not HTML5 compatible or are being run in a mode that is not HTML5 compatible. Browser-generated graphs are utilized in both standard HTML5 output (FORMAT JSCHART) and in Active Technologies (FORMAT AHTML and FORMAT AFLEX, APDF).

  Note: Applet-based charts (Java Graph engine running client-side) have been deprecated in Web Query Version 2.1 and are no longer tracked in this matrix.
- Mac Users: Firefox browser is supported on the Macintosh operating system. Firefox browser functionality is consistent with the Safari web browser.
- Adobe Reader support:
  - Adobe XI is certified.
  - Adobe X is certified.
  - Adobe Acrobat Reader Version 9 is supported.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the configuration information for the specific browser on how to change the Application Options settings for the relevant content types so that the browser will automatically use the Adobe Reader.

Mobile Browser Support

The following devices were used in testing Web Query Version 2.2.0 Hotfix 3.

- iOS 10 tablet
- iOS 9.3.2 tablet and phone
- iOS 8.4 touch
- iOS 8.2 tablet
- Android 6.0.1 tablet and phone
- Android 5.1.1 tablet and phone
- Mobile Faves version 3.2.0.2

The following table provides mobile browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 3.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Reporting				
Active Reports				
HTML Canvas pages				
PDF			(Requires third-party apps)	

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Excel	✓	–	✓ (Requires third-party apps)	✗
PowerPoint (PPTX)	✓ (Requires third-party apps)	–	✓ (Requires third-party apps)	–
HTML Reporting Features				
HTML format *(No JavaScript)*	✓	–	✓	–
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	✓	–	✓	–
❑ Multi-drill	✓	–	✓	–
❑ Table of Contents (BYTOC)	✗	✗	✗	✗
Graph Requests				
Server-generated graphs	✓	✓	✓	✓
Browser-generated (HTML5)	✓	✓	✓	✓
Browser-generated (AHTML)	✓	✓	✓	✓
Interfaces				

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Amper Auto-prompting		–		–
Report Broker Explorer	Tablets	–	Tablets	–
Report Broker Console	Tablets	–	Tablets	–
Report Broker Scheduling Tool	Tablets	–	Tablets	–

Note: Web Query developer tools (InfoAssist) are not supported for mobile.

Chapter 4

January 2017 - Hotfix 2

This documentation describes new features, web browser support, and mobile support for the January 2017 - 2.2.0 Hotfix 2 release.

This document is intended for all levels of users, including application developers, administrators, and end users. It is also intended to serve as a quick reference for users upgrading from a prior version.

In this chapter:

- DB2 Web Query for i Enhancements
- InfoAssist Enhancements
- Web Query Client Administration and Security Enhancements
- National Language Support
- Change in Behavior
- Web Browser Support
- Mobile Browser Support

DB2 Web Query for i Enhancements

The following new features apply to DB2 Web Query for i.

New Output Queue

Previously, the output queue used by Web Query was determined by the user profile that submitted the job. In some cases, this made it difficult to know which output queue was used. For consistency across all Web Query startups, a new output queue, QWEBQRY/QWEBQRYOUT, has been created and will be used for Web Query server jobs, as follows:

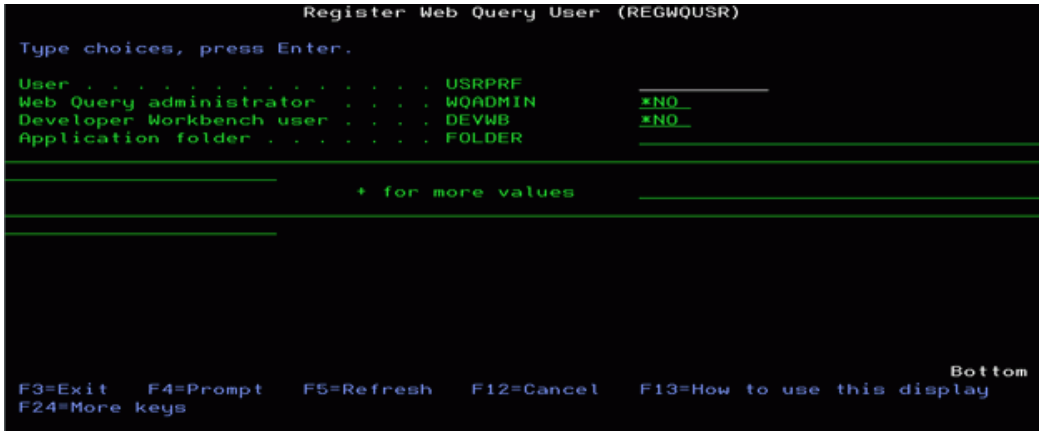
- If the output queue of QWQADMIN is currently set to *WRKSTN, it will be changed to QWEBQRY/QWEBQRYOUT.
- If the output queue of job description QWEBQRY/QWEBQRYJOB is currently set to *USRPRF, it will be changed to QWEBQRY/QWEBQRYOUT.

Register Web Query User (REGWQUSR) Command

The REGWQUSR command provides a CL interface for adding Web Query users and assigning folder permissions to them. The command complements the Web Query Security Center, providing a programmatic way to register users. The command allows an administrator to:

- Register a user profile as a licensed Web Query Developer User.
- Assign a licensed user to one or more Web Query folder groups.

The command parameters are shown in the following image.



Reference: **Required Parameter for the REGWQUSR Command**

The following is a required parameter when using the REGWQUSR command:

USRPRF

Specifies the name of the user profile to be registered to Web Query or added to a folder group. To register the user, the Developer Users feature of Web Query (5733-WQX feature 5104) must be installed and there must be a license available using either a license key or the 70-day trial period.

Reference: **Optional Parameters for the REGWQUSR Command**

The following are optional parameters when using the REGWQUSR command:

`WQADMIN`

Specifies if the user should be added to the WebQueryAdministrator group in the Security Center. Users in this group can perform administrative tasks, such as adding or removing other users, assigning user permissions, and creating top-level folders. Possible values include the following:

- **NO.** The user is not added to the group (default).
- **YES.** The user is added to the group.

`DEVWB`

Specifies if the user should be added to the DevWorkBench group in the Security Center. Users in this group are authorized to use the Developer Workbench client for developing advanced reports and HTML dashboards. Before adding a user to this group, the Developer Workbench feature of Web Query (5733-WQX feature 5105) must be installed and there must be a license available using either a license key or the 70-day trial period. Possible values include the following:

- **NO.** The user is not added to the group (default).
- **YES.** The user is added to the group.

`FOLDER`

Specifies one or more folder groups to which the user should be added. Each top-level folder in the Web Query repository has a set of folder groups. The folder groups define the user roles, and the underlying user permissions, for the folder (roles include administrator, analyst, DBA, developer, runner, and scheduler). Up to fifty (50) folder groups can be specified on the command. The folder group names are case sensitive and must be entered exactly as they are shown in the Security Center. Multiple folder groups can be specified but must be separated by a blank space ( ).

Example: **Using the REGWQUSR Command**

1. To register John as a Web Query licensed user, type the following:

   ```
   REGWQUSR USRPRF(John)
   ```

2. To register Jane as a Web Query licensed user and assign her as a Web Query administrator, type the following:

   ```
   REGWQUSR USRPRF(Jane) WQADMIN(*YES)
   ```

3. John is already a licensed Web Query user. Register him as a licensed Developer Workbench user by adding him to the DevWorkBench group, as follows:

```
REGWQUSR USRPRF(John) DEVWB(*YES)
```

4. Register Bob as a Web Query licensed user and as a Developer Workbench licensed user. Also, add Bob as a developer and scheduler for the Century Electronics folder, as follows:

```
REGWQUSR USRPRF(Bob) DEVWB(*YES) FOLDER('Century_Electronics-dev'
'Century_Electronics-admin')
```

Users who are authorized to run the REGWQUSR command are QWQADMIN, members of the WebQueryAdministrator group, and users with *ALLOBJ authority. Web Query does not need to be started to run the REGWQUSR command.

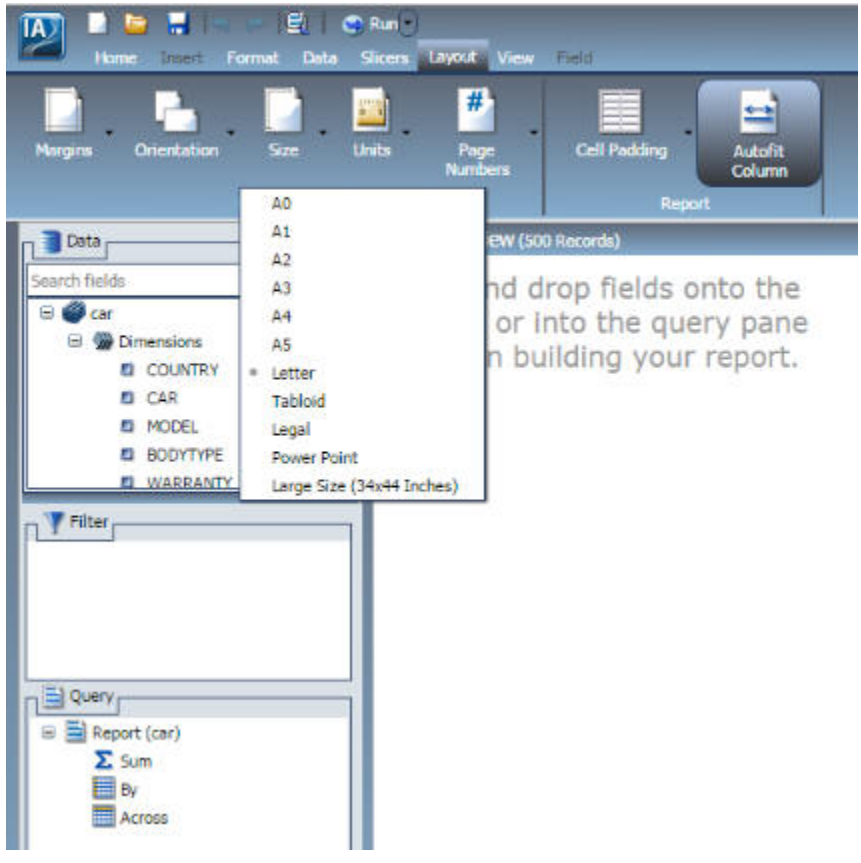
Other Web Query administrative tasks, such as revoking a user license or removing a user from a folder, must be performed from the Security Center. To access the Security Center, sign in to the Web Query portal at http://<*your_system*>:12331/webquery and click *Tools*.

InfoAssist Enhancements

The following new features apply to InfoAssist.

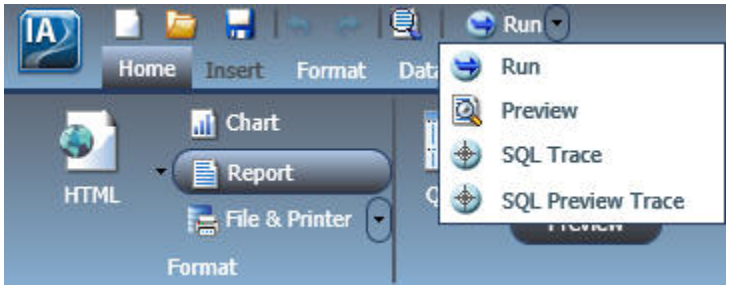
A1 and A2 Layout Size Formats

The A1 (594mm x 841mm) and A2 (420mm x 594mm) layout size formats have been added to the Layout ribbon option, as shown in the following image.



Run With SQL Trace

The SQL Trace and SQL Trace Preview options have been reintroduced to the Run command on the Quick Access Toolbar, as shown in the following image.



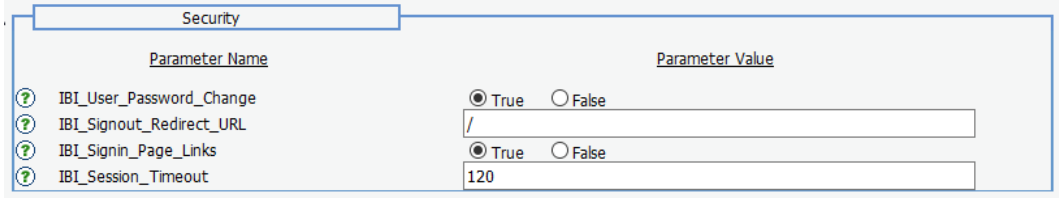
- **SQL Trace.** Returns the SQL commands for the request.
- **SQL Preview Trace.** Returns the SQL commands for the Live Preview run.

Web Query Client Administration and Security Enhancements

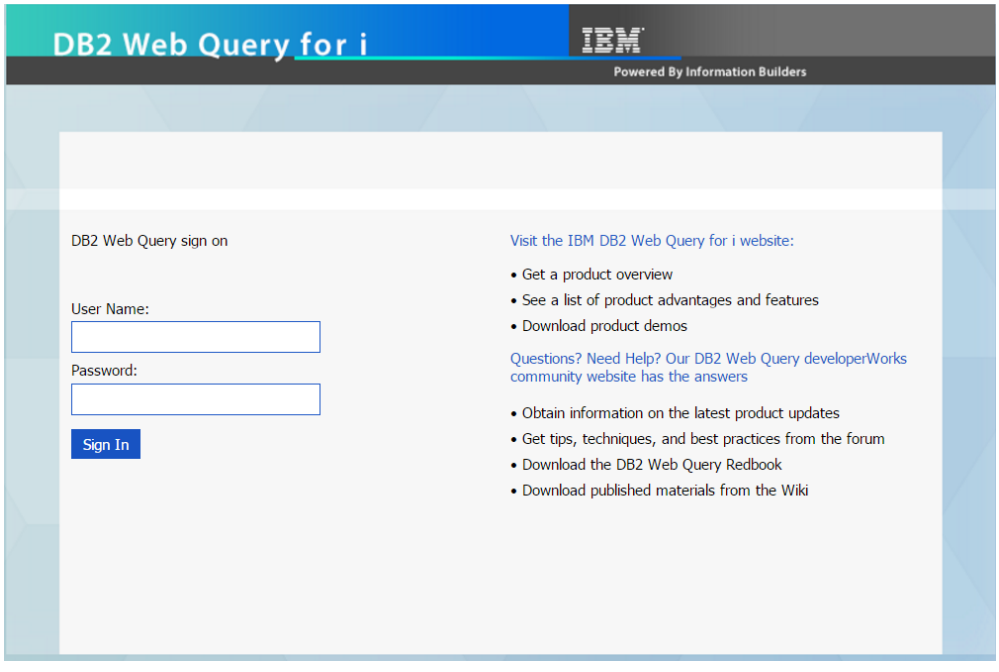
The following new features apply to Web Query Client Administration and Security.

IBI_Signin_Page_Links and IBI_Session_Timeout Settings

IBI_Signin_Page_Links and IBI_Session_Timeout settings have been added to the Security area of the Administration Console, under the Configuration section, Application Settings folder. The Security area of the Administration Console is shown in the following image.



IBI_Signin_Page_Links. You can use the IBI_Signin_Page_Links setting to display or hide the links on the Web Query Sign On page, as shown in the following image. The value for this parameter can be True or False.



- **True.** Indicates to show the text on the right side of the Sign On page. This is the default setting.
- **False.** Indicates to not show the text on the right side of the Sign On page.

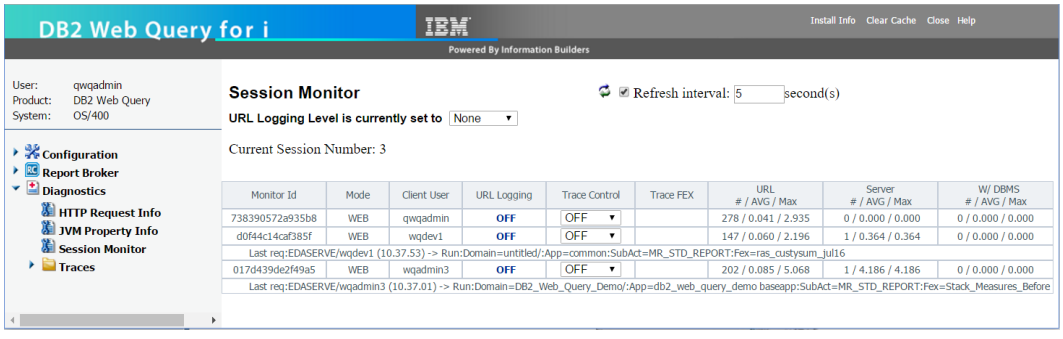
IBI_Session_Timeout. You can use the IBI_Session_Timeout setting to control the session timeout value, which limits the amount of time users can remain idle before a session timeout takes place. This setting is defined in minutes. The default setting is 120 minutes.

Security Center

The QWQADMIN profile has been enabled to edit a user ID.

Session Monitor

The Session Monitor has been enhanced with refresh interval settings and URL logging. The Session Monitor enables the QWQADMIN profile to track all Web Query Client sessions, as well as connections and activity on the Reporting Server. The Session Monitor, available from the Diagnostics group on the Administration Console, displays information about connected users, report requests, and Reporting Server nodes, as shown in the following image.



National Language Support

NLS characters can be used when specifying a file name for the InfoAssist File Format option.

Change in Behavior

On the BI portal, the right-click options to Copy a report and Paste it into the same folder have been disabled. These have been replaced by the Duplicate option.

Web Browser Support

The following table provides browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 2.

Note: Microsoft Windows 10 Edge is also certified for this release.

✓ Supported ✓ Supported with minor issues Under evaluation

– Not evaluated ✗ Not supported

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v49	Safari v8.0.6	Chrome v53
Reporting						
Active Reports	✓	✓	✓	✓	✓	✓
HTML Composer pages	Standards mode ✓	Standards mode ✓	Standards mode ✓	✓	✓	✓
InfoAssist	✓	✓	✓	✓	✓	✓
HTML Reporting Features						
HTML format *(No JavaScript)*	✓	✓	✓	✓	–	✓
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	Standards Mode ✓ Compatibility View ✓	Standards Mode ✓ Compatibility View ✓	✓	✓	–	✓
❑ Multi-drill	✓	✓	✓	✓	–	✓
❑ Table of Contents (BYTOC)	✓	✓	✓	✓	–	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v49	Safari v8.0.6	Chrome v53
Graph Requests (See Graph request notes below for additional information)						
Server-generated graphs	✓	✓	✓	✓	–	✓
Browser-generated (HTML5)	✓	✓	✓	✓	–	✓
Browser-generated (AHTML)	✓	✓	✓	✓	✓	✓
Browser-generated (AFLEX, APDF)	✓	✓	✓	✓	✓	✓
Web Interfaces						
Amper Auto-prompting	✓	✓	✓	✓	✓	✓
BI Portal	✓	✓	✓	✓	–	✓
OLAP	✓	✓	✓	✓	✓	✓
Report Broker	✓	✓	✓	✓	✓	✓
Desktop Tools						
Developer Workbench *(Requires Internet Explorer)*	✓	✓	–	✗	✗	✗
Administration Tools						

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v49	Safari v8.0.6	Chrome v53
Security Center	✓	✓	✓	✓	–	✓
Web Query Administration Console	✓	✓	✓	✓	–	✓

Note:

- Simple HTML Web Query reports can be viewed on any browser.
- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Internet Explorer browsers or in scenarios where the browser is unknown (such as distributed by Report Broker) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are 64-bit encoded within the generated .htm file.
- Graph request notes:
  - Server-generated graphs refer to traditional graph requests that are generated on the Reporting Server, and then embedded as a bitmap or vector image in a document or webpage. This includes the following output formats:
    - Bitmap: PNG, JPG
    - Vector: PDF (but not active PDF), SVG
  - Browser-generated graphs refer to graphs that are rendered inside the browser. This is done using JavaScript in HTML5 compatible browsers and by Flash in older versions of Internet Explorer that are either not HTML5 compatible or are being run in a mode that is not HTML5 compatible. Browser-generated graphs are utilized in both standard HTML5 output (FORMAT JSCHART) and in Active Technologies (FORMAT AHTML and FORMAT AFLEX, APDF).

  Note: Applet-based charts (Java Graph engine running client-side) have been deprecated in Web Query Version 2.1 and are no longer tracked in this matrix.
- Mac Users: Firefox browser is supported on the Macintosh operating system. Firefox browser functionality is consistent with the Safari web browser.

- Adobe Reader support:
  - Adobe XI is certified.
  - Adobe X is certified.
  - Adobe Acrobat Reader Version 9 is supported.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the configuration information for the specific browser on how to change the Application Options settings for the relevant content types so that the browser will automatically use the Adobe Reader.

Mobile Browser Support

The following devices were used in testing Web Query Version 2.2.0 Hotfix 2.

- iOS 10 tablet
- iOS 9.3.2 tablet and phone
- iOS 8.4 touch
- iOS 8.2 tablet
- Android 6.0.1 tablet and phone
- Android 5.1.1 tablet and phone
- Mobile Faves version 3.2.0.2

The following table provides mobile browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 2.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Reporting				

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Active Reports	✔	✔	✔	✔
HTML Canvas pages	✓	✓	✓	–
PDF	✔	–	✔ (Requires third-party apps)	✗
Excel	✔	–	✔ (Requires third-party apps)	✗
PowerPoint (PPTX)	✔ (Requires third-party apps)	–	✔ (Requires third-party apps)	–
HTML Reporting Features				
HTML format *(No JavaScript)*	✔	–	✔	–
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	✔	–	✔	–
❑ Multi-drill	✓	–	✓	–
❑ Table of Contents (BYTOC)	✗	✗	✗	✗

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Graph Requests				
Server-generated graphs	✓	✓	✓	✓
Browser-generated (HTML5)	✓	✓	✓	✓
Browser-generated (AHTML)	✓	✓	✓	✓
Interfaces				
Amper Auto-prompting	✓	–	✓	–
Report Broker Explorer	✓ Tablets	–	✓ Tablets	–
Report Broker Console	✓ Tablets	–	✓ Tablets	–
Report Broker Scheduling Tool	✓ Tablets	–	✓ Tablets	–

Note: Web Query developer tools (InfoAssist) are not supported for mobile.

Chapter 5

September 2016 - Hotfix 1

This documentation describes new features, web browser support, and mobile support for the September 2016 - 2.2.0 Hotfix 1 release.

This document is intended for all levels of users, including application developers, administrators, and end users. It is also intended to serve as a quick reference for users upgrading from a prior version.

In this chapter:

- Auditing Enhancements
- Business Intelligence Portal Enhancements
- InfoAssist Enhancements
- Report Broker Enhancements
- Reporting Enhancements
- Security
- Changes in Behavior
- Web Browser Support
- Mobile Browser Support

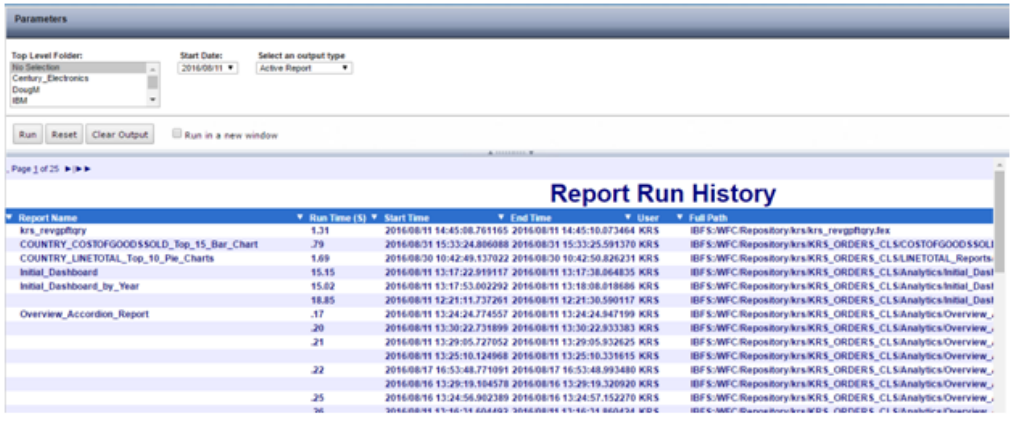
Auditing Enhancements

IBM DB2 Web Query includes a set of reports that provide at-a-glance answers to basic administrative and auditing questions. The initial reports, which are about your reports, address the following questions:

- Who created the reports?
- Who ran the reports?
- Who changed the reports?
- What are the report run times?

When Hotfix 1 is applied, these IBM-supplied reports will be restored onto your system in the form of a Change Management package. You must import the package to the Web Query repository in order to see and run the reports. For more infomation, see *How to Import the Change Management Package* on page 55. The imported reports then appear on the BI portal, under a top-level folder named IBM DB2 Web Query Information. The Report Information subfolder contains an Audit Summary Dashboard and several active reports, as shown in the following image.

The Report Run History displays the start time, end time, and run time for reports. The logging of end times is a new function in Hotfix 1. Therefore, the end time and run time values are only displayed for reports that are run after the Hotfix is applied. The run time represents the time for the Reporting Server to process the database request and does not include any time loading the browser. For parameterized reports, where a separate call is performed to the database to populate a selection box, there will be separate entries in Report Run History for the parameters and the query. The following image is an example from the Report Run History output.



Procedure: How to Import the Change Management Package

1. Sign in to the BI portal at http://<system>:12331/webquery, as a Web Query administrator.
2. Expand *Change Management* in the portal tree.
3. Expand *Import*.
4. Right-click *IBM DB2 Web Query Information*.
5. Click *Import*.

   The imported folder and reports are published, but will only be accessible by Web Query administrators. To authorize another user to the folder, access the Security Center and grant the desired permission.

   The reports are provided by IBM, and IBM reserves the right to replace or change them. If you would like to modify a report, the recommendation is to copy it to another folder and change it there.

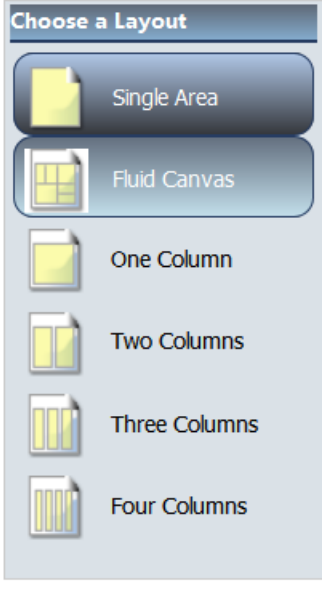
   The reports are available in both the Web Query Express Edition and Standard Edition.

Business Intelligence Portal Enhancements

The following new features apply to BI Portal.

Fluid Canvas in the Business Intelligence Portal

A Fluid Canvas page layout option, as shown in the following Choose a Layout image, has been added to the Business Intelligence Portal. The Fluid Canvas arranges the content evenly and redistributes space as more items are added.



InfoAssist Enhancements

The following new features apply to InfoAssist.

Latitude and Longitude Field Containers

Latitude and Longitude field containers are available for Proportional Symbol (Bubble) maps. You can specify latitudinal or longitudinal data using these fields.

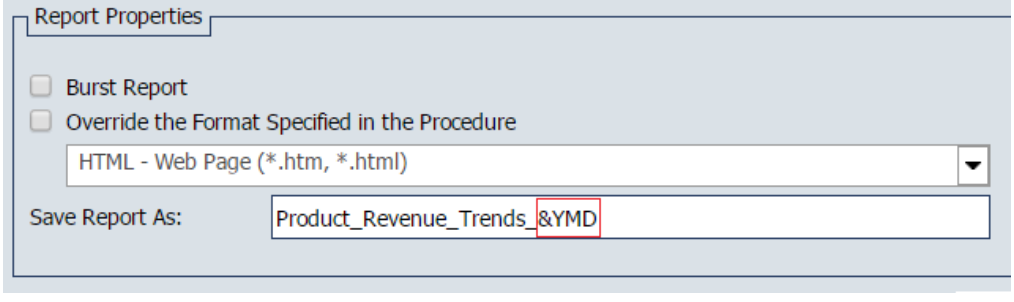
Report Broker Enhancements

The following new features apply to Report Broker.

Global Variables

Global variables, also known as system variables, are predefined and automatically supplied by the system when a procedure references them. Global variable names begin with a single ampersand (&), for example, &FOCFEXNAME, which indicates the name of the report that is running, and &DATE, which indicates the current date. As of Hotfix 1, global variables are supported by Report Broker and can be resolved in the headers and footers of scheduled reports. In addition, global variables can be used for an email subject, FTP file names, and email attachment names. When using global variables in a file name field, be aware that some use special characters, such as a period (.) and slash (/), that affect whether the file can be opened properly.

The following image shows how &YMD can be added to the Save Report As: field.



Report Broker Formats for Scheduled Output

When you create a schedule, you specify the format for the scheduled output.

ALPHA

Format: ALPHA (.ftm, .txt)

Description: Saves scheduled output as fixed-format character data.

Suggested Uses: For display in a text document, for further reporting in Web Query, and as a transaction file for modifying a data source.

Considerations:

- When created as a HOLD file, a corresponding Master File is created.
- Bursting is supported.

COM

Format: Com (.cvs)

Description: Saves scheduled output as a variable-length text file in comma-delimited format with character values enclosed in double quotation marks (" "). Blanks within fields are not retained.

This format is required by certain software packages, such as Microsoft Access.

Suggested Uses: For further processing in a database application. This format type can be imported into applications, such as Excel or Lotus.

Considerations:

- This format type does not create a Master File.
- Bursting is supported.
- Smart date fields and dates formatted as I or P fields with date format options are treated as numeric and are not enclosed in double quotation marks (" ") in the output file. Dates formatted as alphanumeric fields with date format options are treated as alphanumeric and enclosed in double quotation marks (" ").
- Continental decimal notation (CDN=ON|SPACE|QUOTE) is not supported. A comma within a number is interpreted as two separate columns by a destination application, such as Microsoft Access.

COMMA

Format: COMMA (.csv)

Description: Saves scheduled output as a variable-length text file in comma-delimited format with character values enclosed in double quotation marks (" "). All blanks within fields are retained.

This format is required by certain software packages, such as Microsoft Access.

Suggested Uses: For further processing in a database application. This format type can be imported into applications, such as Excel or Lotus.

Considerations:

- This format type does not create a Master File.
- Bursting is supported.
- You can open COMMA reports in Lotus 1-2-3 by right-clicking the report and saving it as a COMMA file.

- Smart date fields and dates formatted as I or P fields with date format options are treated as numeric and are not enclosed in double quotation marks (" ") in the output file. Dates formatted as alphanumeric fields with date format options are treated as alphanumeric and enclosed in double quotation marks (" ").
- Continental decimal notation (CDN=ON|SPACE|QUOTE) is not supported. A comma within a number is interpreted as two separate columns by a destination application, such as Microsoft Access.

COMT

Format: COMT (.csv)

Description: Adds titles to a COMMA file. Saves scheduled output as a variable-length text file in comma-delimited format with character values enclosed in double quotation marks (" "). All blanks within fields are retained.

This format is required by certain software packages, such as Microsoft Access.

Suggested Uses: For further processing in a database application. This format type can be imported into applications, such as Excel or Lotus.

Considerations:

- This format type does not create a Master File.
- Bursting is supported.
- Smart date fields and dates formatted as I or P fields with date format options are treated as numeric and are not enclosed in double quotation marks (" ") in the output file. Dates formatted as alphanumeric fields with date format options are treated as alphanumeric and enclosed in double quotation marks (" ").
- Continental decimal notation (CDN=ON|SPACE|QUOTE) is not supported. A comma within a number is interpreted as two separate columns by a destination application, such as Microsoft Access.

DFIX

Format: DFIX (.ftm, .txt)

Description: Enables you to define any character to act as the delimiter (DELIMITER = your choice of character), include quotation marks around alpha fields (ENCLOSURE = “), and include column titles (HEADER = YES/NO).

The following is an example of a PCHOLD statement that specifies the pipe character (|) as the delimiter, adds quotation marks around alpha fields, and does not include column titles or headings.

```
ON TABLE PCHOLD AS OUT1 FORMAT DFIX DELIMITER | ENCLOSURE " HEADER NO
```

Suggested Uses: Use in files that require custom (non-standard) delimiters.

Considerations:

- Missing data is indicated by showing no data. If you specified an enclosure, then missing alpha fields are indicated by "". Missing numeric fields are indicated by two delimiters.
- Bursting is supported.

EXL07

Format: EXL07 (.xlsx)

Description: Scheduled output opens within Excel 2007 or 2010.

Supports most StyleSheet attributes, allowing for full report formatting.

Suggested Uses: Email

Considerations:

- Bursting is supported, except compound reports.

EXL2K PIVOT

Format: EXL2K PIVOT (.xls)

Description: Scheduled output opens within Excel 2000 or higher.

Used to analyze complex data much like the OLAP tool in Web Query. It enables you to drag data fields within a PivotTable, providing different views of the data, such as sorting across rows or columns.

Suggested Uses: Email

Considerations:

- Microsoft Excel 2000 or higher must be installed.
- The format is ASCII.

- All EXL2K output with an .xht extension is dynamically changed to .xls for email or FTP distribution. You must edit your web server MIME table so that the .xls extension is ASCII application data, instead of binary.
- Cannot be used to schedule a compound report.
- Bursting is not supported.

PPTX

Format: PPTX (.pptx)

Description: Scheduled output opens within Excel 2007 or 2010.

Suggested Uses: Email

Considerations:

- Bursting is not supported.
- PPTX can output as a single report and can also include as many graphs as desired embedded in the style sheet of the report (TABLE). In addition, a single PPT report can be placed inside an existing PPT Template.

TAB and TABT

Format: TAB (.tab, .tsv, .txt)

Description: Scheduled output opens in tab-delimited format. For TABT, the format includes column headings in the first row.

This format is required by certain software packages, such as Microsoft Access.

Suggested Uses: Email

Considerations: Bursting is supported.

XML

Format: XML (.xml)

Description: Scheduled output opens in XML format, a markup language that is derived from the Standard Generalized Markup Language (SGML).

Suggested Uses: Describing and exchanging data for applications on different systems.

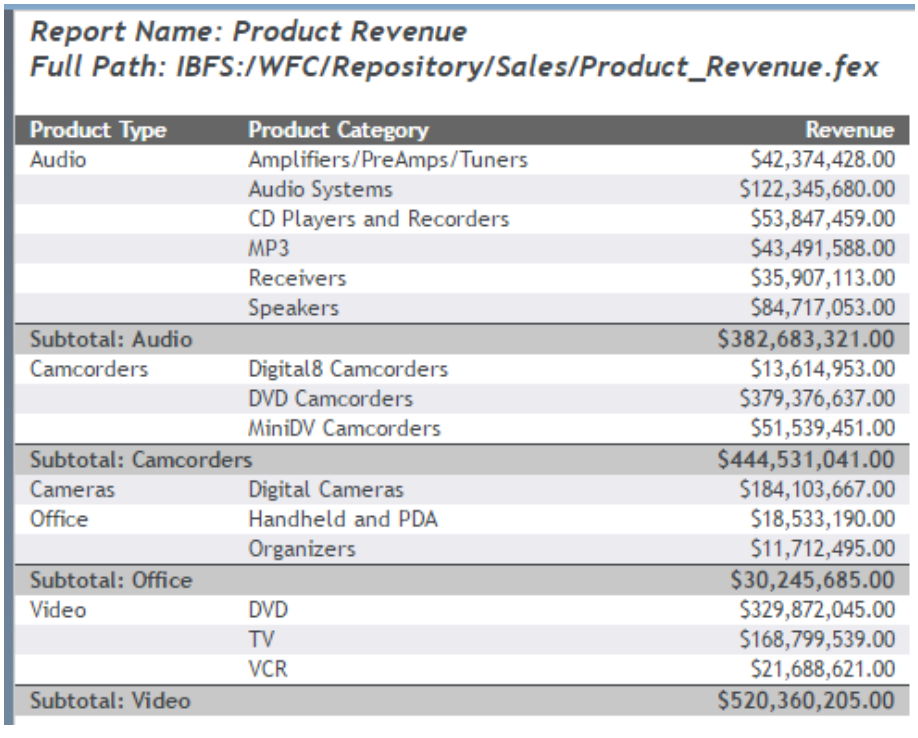
Considerations: Bursting is not supported.

Reporting Enhancements

The following new features apply to Web Query reporting.

MR_FULL_PATH Variable

You can use the MR_FULL_PATH variable to display the full path information of a procedure that is run in Web Query, as shown in the following image.



Report Name: Product Revenue
Full Path: IBFS:/WFC/Repository/Sales/Product_Revenue.fex

Product Type	Product Category	Revenue
Audio	Amplifiers/PreAmps/Tuners	$42,374,428.00
	Audio Systems	$122,345,680.00
	CD Players and Recorders	$53,847,459.00
	MP3	$43,491,588.00
	Receivers	$35,907,113.00
	Speakers	$84,717,053.00
Subtotal: Audio		$382,683,321.00
Camcorders	Digital8 Camcorders	$13,614,953.00
	DVD Camcorders	$379,376,637.00
	MiniDV Camcorders	$51,539,451.00
Subtotal: Camcorders		$444,531,041.00
Cameras	Digital Cameras	$184,103,667.00
Office	Handheld and PDA	$18,533,190.00
	Organizers	$11,712,495.00
Subtotal: Office		$30,245,685.00
Video	DVD	$329,872,045.00
	TV	$168,799,539.00
	VCR	$21,688,621.00
Subtotal: Video		$520,360,205.00

In the example above, the report heading contains the following syntax:

```
Report Name: &MR_FULL_FEXNAME
Full Path: &MR_FULL_PATH
```

Security

A new setting, IBI_User_Password_Change, is now available from the Administration Console. Select the *Security* option to control whether a user can change the password for their user ID.

Changes in Behavior

The following are changes in behavior in Web Query 2.2.0 Hotfix 1.

- **Folder Admin Authority in Security Center.** A user who has folder administrator privileges in the Security Center for a top-level folder will now be able to work with all Web Query users when administering permissions to the folder groups. Previously, the folder administrator had to have *USE authority to a user profile in order to add the user to, or remove the user from, one of the folder groups.
- **QSQSRVR Job Description.** The QSQSRVR jobs that are pre-started in the Web Query subsystem (for SQL Server mode) will have a hard-coded job description of QGPL/QDFTJOBD. The server jobs are stored under the QUSER profile and this change provides isolation from the QUSER job description.
- **Hide Option in BI Portal.** To support the Fluid Canvas layout, the Hide option was removed from the drop-down menu for objects on a Portal page.
- **Query/400 Synonym Creation.** The synonym name displayed on the Create Synonym Save Reports screen contains the folder name, in addition to the synonym name.

Web Browser Support

The following table provides browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 1.

Note: Microsoft Windows 10 Edge is also certified for this release.

✓ Supported ✓ Supported with minor issues ◎ Under evaluation

– Not evaluated ✗ Not supported

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v47	Safari v8.0.6	Chrome v51
Reporting						
Active Reports	✓	✓	✓	✓	✓	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v47	Safari v8.0.6	Chrome v51
HTML Composer pages	Standards mode ✓	Standards mode ✓	Standards mode ✓	✓	✓	✓
InfoAssist	✓	✓	✓	✓	✓	✓
HTML Reporting Features						
HTML format *(No JavaScript)*	✓	✓	✓	✓	–	✓
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	Standards Mode ✓ Compatibility View ✓	Standards Mode ✓ Compatibility View ✓	✓	✓	–	✓
❑ Multi-drill	✓	✓	✓	✓	–	✓
❑ Table of Contents (BYTOC)	✓	✓	✓	✓	–	✓
Graph Requests (See Graph request notes below for additional information)						
Server-generated graphs	✓	✓	✓	✓	–	✓
Browser-generated (HTML5)	✓	✓	✓	✓	–	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v47	Safari v8.0.6	Chrome v51
Browser-generated (AHTML)	✓	✓	✓	✓	✓	✓
Browser-generated (AFLEX, APDF)	✓	✓	✓	✓	✓	✓
Web Interfaces						
Amper Auto-prompting	✓	✓	✓	✓	✓	✓
BI Portal	✓	✓	✓	✓	–	✓
OLAP	✓	✓	✓	✓	✓	✓
Report Broker	✓	✓	✓	✓	✓	✓
Desktop Tools						
Developer Workbench *(Requires Internet Explorer)*	✓	✓	–	✗	✗	✗
Administration Tools						
Security Center	✓	✓	✓	✓	–	✓
Web Query Administration Console	✓	✓	✓	✓	–	✓

Note:

- Simple HTML Web Query reports can be viewed on any browser.
- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Internet Explorer browsers or in scenarios where the browser is unknown (such as distributed by Report Broker) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are 64-bit encoded within the generated .htm file.
- Graph request notes:
  - Server-generated graphs refer to traditional graph requests that are generated on the Reporting Server, and then embedded as a bitmap or vector image in a document or webpage. This includes the following output formats:
    - Bitmap: PNG, JPG
    - Vector: PDF (but not active PDF), SVG
  - Browser-generated graphs refer to graphs that are rendered inside the browser. This is done using JavaScript in HTML5 compatible browsers and by Flash in older versions of Internet Explorer that are either not HTML5 compatible or are being run in a mode that is not HTML5 compatible. Browser-generated graphs are utilized in both standard HTML5 output (FORMAT JSCHART) and in Active Technologies (FORMAT AHTML and FORMAT AFLEX, APDF).

  Note: Applet-based charts (Java Graph engine running client-side) have been deprecated in Web Query Version 2.1 and are no longer tracked in this matrix.
- Mac Users: Firefox browser is supported on the Macintosh operating system. Firefox browser functionality is consistent with the Safari web browser.

- Adobe Reader support:
  - Adobe XI is certified.
  - Adobe X is certified.
  - Adobe Acrobat Reader Version 9 is supported.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the configuration information for the specific browser on how to change the Application Options settings for the relevant content types so that the browser will automatically use the Adobe Reader.

Mobile Browser Support

The following devices were used in testing Web Query Version 2.2.0 Hotfix 1.

- iOS 9.3.2 tablet and phone
- iOS 9.3.2 tablet and phone
- iOS 8.4 touch
- iOS 8.2 tablet
- Android 6.0.1 tablet and phone
- Android 5.1.1 tablet and phone
- Mobile Faves version 3.2.0.2

The following table provides mobile browser support information for Web Query product components for Web Query Version 2.2.0 Hotfix 1.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Reporting				

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Active Reports	✔	✔	✔	✔
HTML Canvas pages	✔	✔	✔	–
PDF	✔	–	✔ (Requires third-party apps)	✘
Excel	✔	–	✔ (Requires third-party apps)	✘
PowerPoint (PPTX)	✔ (Requires third-party apps)	–	✔ (Requires third-party apps)	–
HTML Reporting Features				
HTML format *(No JavaScript)*	✔	–	✔	–
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	✔	–	✔	–
❑ Multi-drill	✔	–	✔	–
❑ Table of Contents (BYTOC)	✘	✘	✘	✘

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Graph Requests				
Server-generated graphs	✓	✓	✓	✓
Browser-generated (HTML5)	✓	✓	✓	✓
Browser-generated (AHTML)	✓	✓	✓	✓
Interfaces				
Amper Auto-prompting	✓	–	✓	–
Report Broker Explorer	✓ Tablets	–	✓ Tablets	–
Report Broker Console	✓ Tablets	–	✓ Tablets	–
Report Broker Scheduling Tool	✓ Tablets	–	✓ Tablets	–

Note: Web Query developer tools (InfoAssist) are not supported for mobile.

Chapter 6

Web Query Version 2.2.0 - April 2016

This documentation describes new features, web browser support, and mobile support for the April 2016 - 2.2.0 release.

This document is intended for all levels of users, including application developers, administrators, and end users. It is also intended to serve as a quick reference for users upgrading from a prior version.

In this chapter:

- Web Browser Support
- Mobile Browser Support

Web Browser Support

The following table provides browser support information for Web Query product components for Web Query Version 2.2.0.

✓ Supported ✓ Supported with minor issues Under evaluation

— Not evaluated ✗ Not supported

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v38	Safari v8.0.6	Chrome v44
Reporting						
Active Reports	✓	✓	✓	✓	✓	✓
HTML Composer pages	Standards mode ✓	Standards mode ✓	Standards mode ✓	✓	✓	✓
InfoAssist	✓	✓	✓	✓	✓	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v38	Safari v8.0.6	Chrome v44
HTML Reporting Features						
HTML format *(No JavaScript)*	✓	✓	✓	✓	–	✓
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	Standards Mode ✓ Compatibility View ✓	Standards Mode ✓ Compatibility View ✓	✓	✓	–	✓
❑ Multi-drill	✓	✓	✓	✓	–	✓
❑ Table of Contents (BYTOC)	✓	✓	✓	✓	–	✓
Graph Requests (See Graph request notes below for additional information)						
Server-generated graphs	✓	✓	✓	✓	–	✓
Browser-generated (HTML5)	✓	✓	✓	✓	–	✓
Browser-generated (AHTML)	✓	✓	✓	✓	✓	✓
Browser-generated (AFLEX, APDF)	✓	✓	✓	✓	✓	✓

Web Query Component	Internet Explorer v11 (32-bit)	Internet Explorer v10 (32-bit)	Internet Explorer v9 (32-bit)	Firefox v38	Safari v8.0.6	Chrome v44
Web Interfaces						
Amper Auto-prompting	✓	✓	✓	✓	✓	✓
BI Portal	✓	✓	✓	✓	–	✓
OLAP	✓	✓	✓	✓	✓	✓
Report Broker	✓	✓	✓	✓	✓	✓
Desktop Tools						
Developer Workbench *(Requires Internet Explorer)*	✓	✓	–	✗	✗	✗
Administration Tools						
Security Center	✓	✓	✓	✓	–	✓
Web Query Administration Console	✓	✓	✓	✓	–	✓

Note:

- Simple HTML Web Query reports can be viewed on any browser.
- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Internet Explorer browsers or in scenarios where the browser is unknown (such as distributed by Report Broker) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are 64-bit encoded within the generated .htm file.

- Graph request notes:
  - Server-generated graphs refer to traditional graph requests that are generated on the Reporting Server, and then embedded as a bitmap or vector image in a document or webpage. This includes the following output formats:
    - Bitmap: PNG, JPG
    - Vector: PDF (but not active PDF), SVG
  - Browser-generated graphs refer to graphs that are rendered inside the browser. This is done using JavaScript in HTML5 compatible browsers and by Flash in older versions of Internet Explorer that are either not HTML5 compatible or are being run in a mode that is not HTML5 compatible. Browser-generated graphs are utilized in both standard HTML5 output (FORMAT JSCHART) and in Active Technologies (FORMAT AHTML and FORMAT AFLEX, APDF).

  Note: Applet-based charts (Java Graph engine running client-side) have been deprecated in Web Query Version 2.1 and are no longer tracked in this matrix.
- Mac Users: Firefox browser is supported on the Macintosh operating system. Firefox browser functionality is consistent with the Safari web browser.
- Adobe Reader support:
  - Adobe XI is certified.
  - Adobe X is certified.
  - Adobe Acrobat Reader Version 9 is supported.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the configuration information for the specific browser on how to change the Application Options settings for the relevant content types so that the browser will automatically use the Adobe Reader.

Mobile Browser Support

The following devices were used in testing Web Query Version 2.2.0.

- iOS 8.4 tablet
- iOS 8.02 tablet

- iOS 8.04 phone
- iOS 6.1.3 touch
- Android 4.4.4 tablet and phone
- Mobile Faves version 3.2.0.2

The following table provides mobile browser support information for Web Query product components for Web Query Version 2.2.0.

Supported Supported with minor issues Under evaluation

 Not evaluated Not supported

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
Reporting				
Active Reports				
HTML Canvas pages				
PDF			(Requires third-party apps)	
Excel			(Requires third-party apps)	
PowerPoint (PPTX)	(Requires third-party apps)		(Requires third-party apps)	

Web Query Component	iOS Safari	iOS MobileFaves	Android Chrome	Android MobileFaves
HTML Reporting Features				
HTML format *(No JavaScript)*	✓	–	✓	–
JavaScript components ❑ Accordion ❑ HFREEZE ❑ On-demand Paging	✓	–	✓	–
❑ Multi-drill	✓	–	✓	–
❑ Table of Contents (BYTOC)	✗	✗	✗	✗
Graph Requests				
Server-generated graphs	✓	✓	✓	✓
Browser-generated (HTML5)	✓	✓	✓	✓
Browser-generated (AHTML)	✓	✓	✓	✓
Interfaces				
Amper Auto-prompting	✓	–	✓	–
Report Broker Explorer	✓ Tablets	–	✓ Tablets	–
Report Broker Console	✓ Tablets	–	✓ Tablets	–
Report Broker Scheduling Tool	✓ Tablets	–	✓ Tablets	–

Note: Web Query developer tools (InfoAssist) are not supported for mobile.

Chapter 7

Known Issues

This documentation describes known issues, listed by release, that will be addressed in a future version of DB2 Web Query.

In this chapter:

- April 2018 - Hotfix 5
- July 2017 - Hotfix 4
- April 2017 - Hotfix 3
- January 2017 - Hotfix 2
- September 2016 - Hotfix 1
- Web Query Version 2.2.0 - April 2016

April 2018 - Hotfix 5

The following are known issues for the April 2018 - 2.2.0 Hotfix 5 release.

DB2 Web Query for i

On IBM i 7.3, start and end messages are written into the QHST log for QSQSRVR jobs in the QWEBQRY21 subsystem. Two messages are logged every minute. To stop the messages, apply SS1 PTF SI64153.

REST-Based Application Extension (WQRAX)

You must edit HTML Composer dashboards that were created prior to Web Query 2.1.0 group PTF level 13 or 2.1.1 group PTF level 2 for compatibility with current fix levels. Otherwise, they will not run in WQRAX after applying this Hotfix.

Workaround: Either edit and save the HTML file in the Developer Workbench HTML canvas, which will make the changes automatically, or edit and save the HTML dashboard using Web Query 2.2.0, using the following steps:

1. Sign in to Web Query using a Web Query Administrator user ID.
2. On the BI Portal resource tree, right-click the HTML dashboard file and select *Edit*.

   Note: if you do not see an Edit option, then the dashboard is already at a current version and these steps do not apply.

3. In the text editor, click *Search* and then *Find*.
4. Type */webquery/ibi_html* in the Find What: box.
5. Type *./ibi_html* in the Replace With: box.
6. Click the *Replace All* button.
7. Click the *Save* button on the toolbar.
8. Click *File* and then *Exit*.

Business Intelligence Portal

This section addresses the known issues for BI Portal.

Upload Data and Upload Wizard

- NLS characters are not supported in the following places when using the Upload Data and Upload Wizard:
  - Excel Worksheet name.
  - Folder name from where the Upload Wizard is being launched.

  Workaround: Use invariant (A-Z and 0-9) characters. Support for NLS characters will be added in a future Hotfix.

- The Upload Wizard fails to upload data. This happens when DB2 Web Query DataMigrator is installed and the user running the Upload Wizard is not licensed to use DataMigrator, that is, a user who is not a member of the DevWorkBench group. This requirement will be removed in a future Hotfix.

  Workaround: If a license is available, add the user to the DevWorkBench group using the Security Center. Otherwise, launch the Upload Wizard from a user who is licensed to use DataMigrator, that is, a user who is a member of the DevWorkBench group.

- Run-Time Enablement (RTE) may cause the Upload Wizard to fail. This will happen if the user's current library (CURLIB) is not defined in the user's active RTE environment. The Upload Wizard writes out a temporary file during the upload process.

  Workaround: It is recommended to add both QGPL and the user's CURLIB (if different from the default, QGPL) to the user's active RTE environment using the WRKWQRTE command.

Metadata Wizard

- The Adapters for Query/400, DB Heritage, and JD Edwards should not be used during the Import Metadata step as these are multi-step Create Synonym processes, which are not yet supported by the Metadata Wizard.

Workaround: Use the Metadata New option to create synonyms for these Adapter types.

InfoAssist

This section addresses the known issues for InfoAssist.

The Cut, Copy, and Paste options are unavailable (grayed out) for an InfoAssist Dashboard text box and keyboard shortcuts.

Developer Workbench

This section addresses the known issues for Developer Workbench.

- Creating a new procedure in InfoAssist will result in a procedure tab name starting with Procedure10.
- The Upload Data option is not available through the Developer Workbench product.

  Workaround: Access the Upload Data option using the Business Intelligence Portal.
- Developer Workbench online help is hosted on a remote server and requires access to the Internet.

  Workaround: A PDF version of the help will be available on the DB2 Web Query Wiki.

JD Edwards Adapters

This section addresses the known issues for the JD Edwards Adapters.

To use the Alternate Language option in the Adapter for JD Edwards EnterpriseOne and the Adapter for JD Edwards World:

1. Configure the adapter with *UDC Direct File Access* unchecked.
2. Run the *Refresh Metadata* with *Alternate Language File* unchecked.

   This step will create the udcdicdb table.
3. Run the *Refresh Metadata* with *Alternate Language File* checked and enter the default language code.

   This step will create the altdicdb table.
4. Create all the synonyms needed.

Note: Steps 2 and 3 need to be run, as needed, whenever UDC descriptions are updated.

Report Broker

This section addresses the known issues for Report Broker.

- Migration of Public Distribution Lists will generate the following error:

```
ERROR IBFSService                    - setShares - opShareBasic/
opShareAdvanced to this resource denied - user:qwqadmin res:/WFC/
Repository/untitled/ReportBroker/~ownerID/distribution_list.adr
[2014-03-11 00:00:00,605] ERROR IBFSAddrBookConverter           -
Failed to share '/WFC/Repository/untitled/ReportBroker/~ownerID/
distribution_list.adr' with IBFS:/SSYS/GROUPS/EVERYONE
```

  The distribution list will be migrated as a private object. To make this published:

  1. Move the distribution list to a published folder.
  2. Right-click on the distribution list and select the *Publish* option.

- Schedules may not run when using custom date intervals.

  Workaround: Use a different recurring interval, such as monthly or weekly. This will be fixed in a future Hotfix.

Spreadsheet Client

This section addresses the known issues for Spreadsheet Client.

- Populating a spreadsheet using a large Excel Add-in request (25 columns, 200K rows) does not return output.
- DB2 Web Query InfoAssist, when opened from Spreadsheet Client, does not support:
  - Excel Pivot output type
  - Table of Contents format option

  Both of these options will be disabled from Spreadsheet Client InfoAssist in a future release of DB2 Web Query.

National Language Support

This section addresses the known issues for National Language Support (NLS). This section only applies to Turkish and can be ignored otherwise.

In Turkish, running an active Flash or active PDF report in InfoAssist or from BI Portal generates a FOC3357 error.

Workaround: Edit the /QIBM/UserData/qwebqry/base80/client/wfc/etc/nlscfg.err file and add the following line to the end of the file:

```
ENCODING = Cp1026
```

Also, edit the /QIBM/UserData/qwebqry/ibi/srv77/wfs/etc/odin.cfg file by modifying the JSCOM3 Listener block to include an additional argument on the JVM_OPTIONS parameter, as follows:

```
;JSCOM3 Listener
NODE = JSS
BEGIN
  PROTOCOL = TCP
  CLASS = JAVASERVER
  PORT = 12335
  AWT_HEADLESS = Y
  JVM_OPTIONS = -Djava.version=1.6|-Duser.language=en
  JVM_MAX_HEAP = 512
  IBI_CLASSPATH = /home/sqljdbc40/sqljdbc.jar:/home/sqljdbc20/sqljdbc.jar
END
```

DataMigrator/Data Management Console

Important: The renaming of Application Directories in the Data Management Console is not recommended as it may result in execution failures with the contents of the Application Directory.

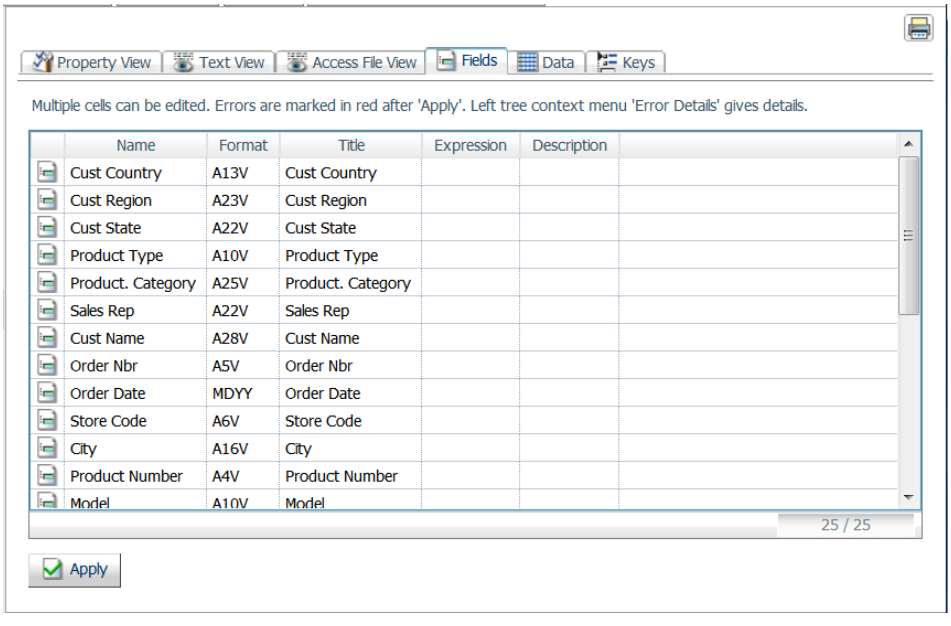
Metadata

This section addresses the known issues for metadata.

- Creating a synonym for a Query/400 file from the right-click folder Metadata Edit option does not generate the associated Web Query procedure in the repository.

  Workaround: Right-click a folder and select the *Metadata New* option to create synonyms for Query/400.

- Editing a synonym using the Fields tab of the Synonym Editor generates a "Failed to load, server may be down, status =404" error upon applying edits. The Synonym Editor tabs are shown in the following image.



  Workaround: Click the *Property View* tab to make any edits to the synonym.

Documentation

This section addresses updates to the documentation.

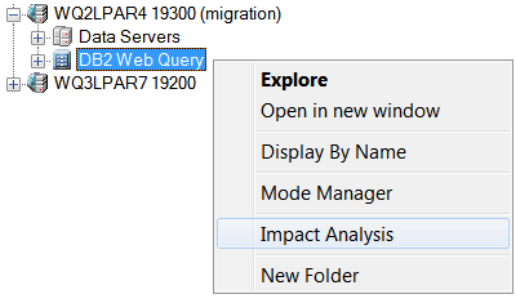
- In the Developer Workbench documentation, the Report and Define Function Library options are not available from the Repository folder New menu.

- In the Developer Workbench documentation, the Visualization and Schedule options are not available from the subfolder right-click menu.

- In the Report Broker, *Selecting a Report Format* topic, GIF format is not supported for bursting.

- In the Developer Workbench *Analyzing Metadata and Procedures with the Impact Analysis Tool* topic, the documentation indicates that the Impact Analysis tool can be launched from the Synonym Editor or from the user interface. Regarding the latter, launching the Impact Analysis tool from the Data Server node on the Explorer tree will limit the search path to the Reporting Server application directories. The only procedures that can reside in these directories are DataMigrator for i data flows.

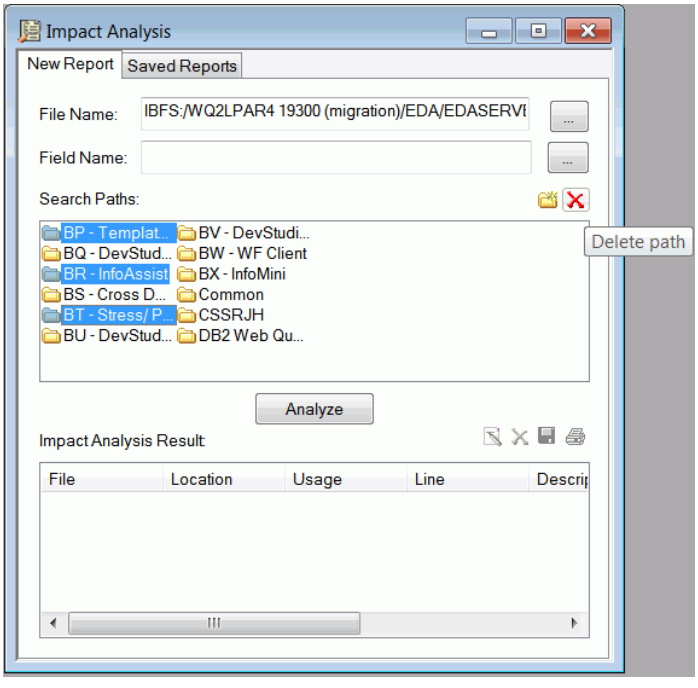
  In order for the Impact Analysis tool to be able to search the DB2 Web Query repository, it is necessary to launch the tool from the DB2 Web Query node, and not the Data Servers node, as shown in the following image.



  The search path is determined by the location where you launch the Impact Analysis tool. Launching the tool from the DB2 Web Query node will search the entire repository for procedures that are impacted. There are two ways to limit the scope of the search:

  1. Launch the Impact Analysis tool from a specific top-level folder in the repository.

2. While in the Impact Analysis tool, use the Search Paths filter to delete any top level folders that are not required, as shown in the following image.



Note: Using the Impact Analysis tool from the DB2 Web Query repository node requires a user ID that belongs to the WebQueryAdministrator group.

July 2017 - Hotfix 4

The following are known issues for the July 2017 - 2.2.0 Hotfix 4 release.

Browser Support

This section addresses the known issues for browser support.

Phased Out Support for the Adobe Flash Player in Google Chrome

Google has phased out support for the Adobe Flash Player in its Chrome web browser. Although the Adobe Flash Player will be phased out, it will continue to be packaged with Google Chrome web browsers. Users will need to manually enable the Adobe Flash Player on the Plugins page on a continuing basis.

In addition, the default settings in Google Chrome web browsers (for example, Version 49) do not allow you to open and view a PDF file directly in the browser window. Currently, all PDF files are automatically downloaded to your Downloads folder on your system.

This document describes how to manually enable the Adobe Flash Player plugin in Google Chrome. This document also describes how to enable the Chrome PDF Viewer plugin, which allows you to view PDF files directly in the Google Chrome browser window.

Enabling the Adobe Flash Player Plugin

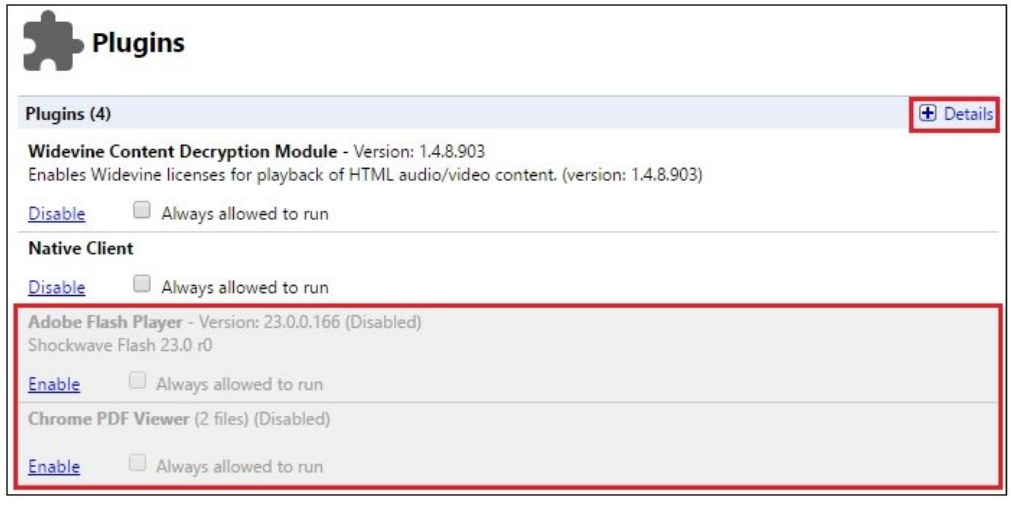
Before continuing, ensure that your version of Adobe Flash Player currently installed is compatible with your version of Adobe Reader. For example:

Operating System	Adobe Flash Player Version	Adobe Reader Version
Windows 10	23.0.0.166	11.0.0

To enable the Adobe Flash Player plugin in Google Chrome:

1. Type *chrome://plugins* in the address bar, as shown in the following image.

The Plugins page opens, as shown in the following image.



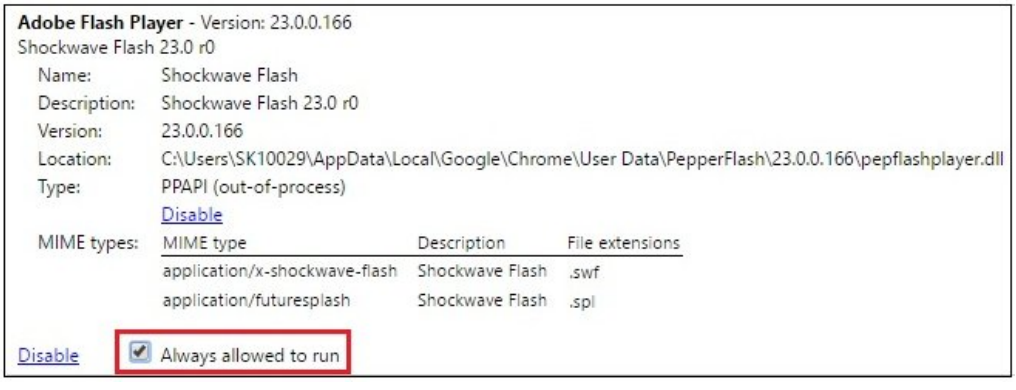
Notice that the Adobe Flash Player plugin is disabled.

2. Click the *Details* link in the upper-right corner to expand all of the contents in the Plugins page.

   For example, the following image now shows the Adobe Flash Player plugin area expanded.

3. Click *Enable*.

   The Adobe Flash Player plugin is now enabled, as shown in the following image.



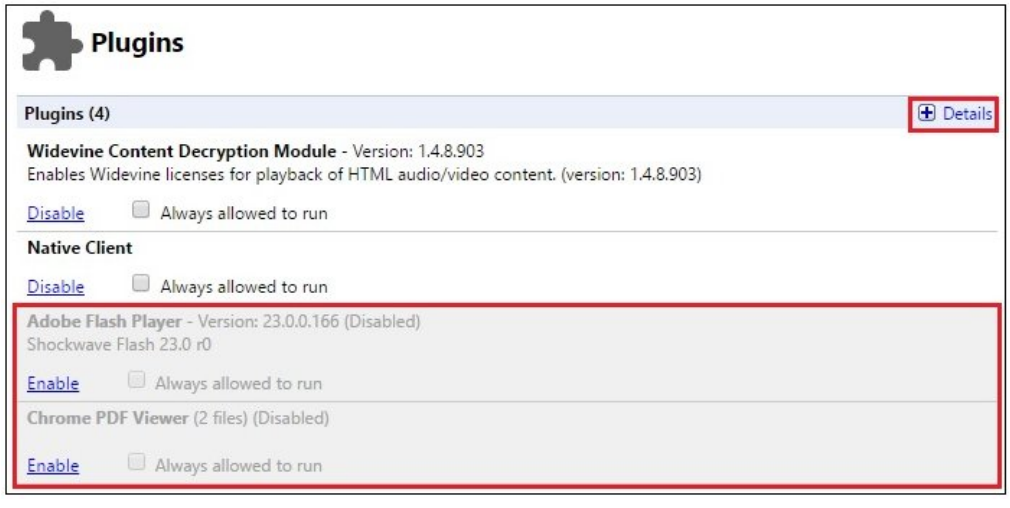
4. Select *Always allowed to run* to always allow the Adobe Flash Player plugin to run and be active.
5. Close the Plugins page.

Enabling the Chrome PDF Viewer Plugin

To enable the Chrome PDF Viewer plugin in Google Chrome:

1. Type *chrome://plugins* in the address bar, as shown in the following image.

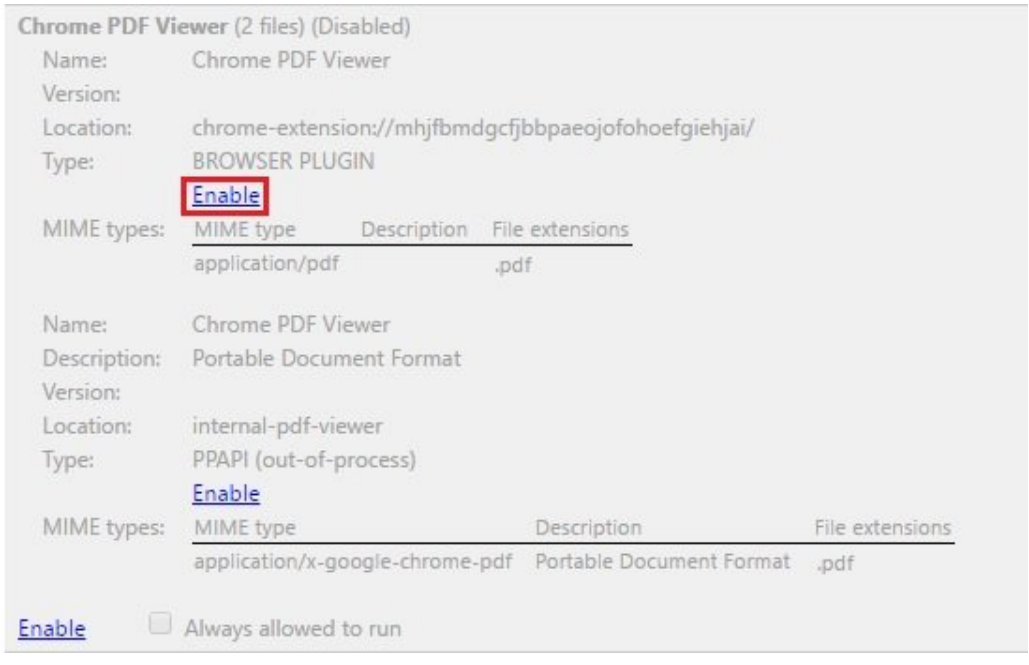
   The Plugins page opens, as shown in the following image.



   Notice that the Chrome PDF Viewer plugin is disabled.

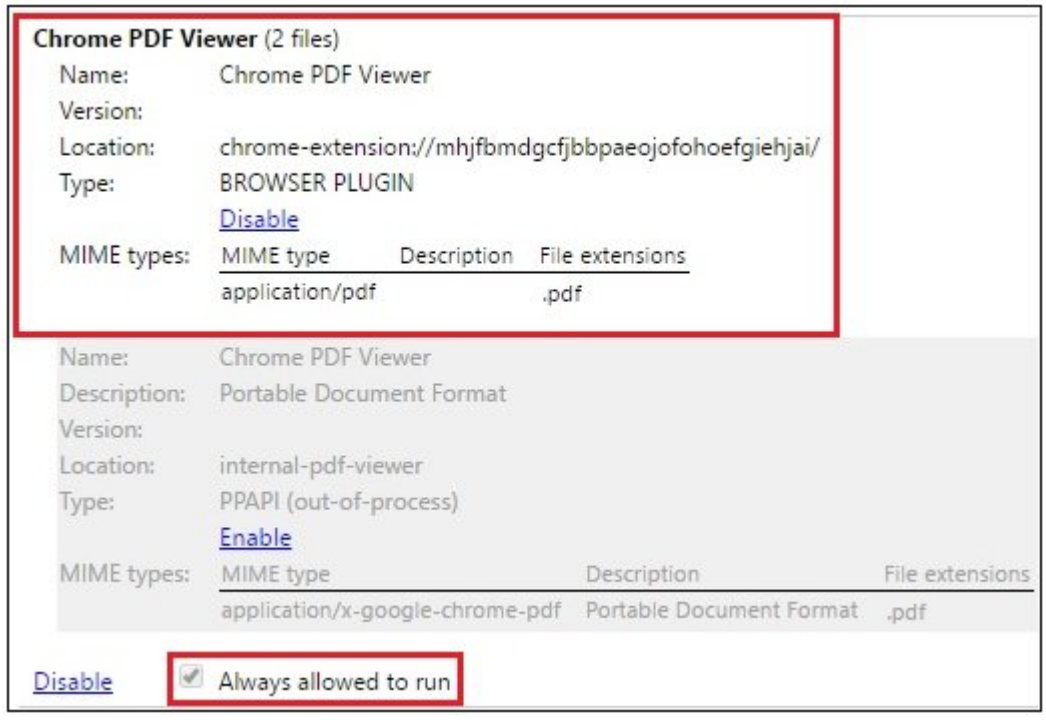
2. Click the *Details* link in the upper-right corner to expand all of the contents in the Plugins page.

For example, the following image now shows the Chrome PDF Viewer plugin area expanded.



3. For the BROWSER PLUGIN type, click *Enable*.

The Chrome PDF Viewer plugin is now enabled, as shown in the following image.



The *Always allowed to run* option is automatically selected, which always allows the Chrome PDF Viewer plugin to run and be active.

4. Close the Plugins page.

DB2 Web Query for i

On IBM i 7.3, start and end messages are written into the QHST log for QSQSRVR jobs in the QWEBQRY21 subsystem. Two messages are logged every minute. To stop the messages, apply SS1 PTF SI64153.

REST-Based Application Extension (WQRAX)

You must edit HTML Composer dashboards that were created prior to Web Query 2.1.0 group PTF level 13 or 2.1.1 group PTF level 2 for compatibility with current fix levels. Otherwise, they will not run in WQRAX after applying this Hotfix.

Workaround: Edit the HTML dashboard using Web Query using the following steps:

1. Sign in to Web Query using a Web Query Administrator user ID.

2. On the BI Portal resource tree, right-click the HTML dashboard file and select *Edit*.

   Note: if you do not see an Edit option, then the dashboard is already at a current version and these steps do not apply.

3. In the text editor, click *Search* and then *Find*.
4. Type */webquery/ibi_html* in the Find What: box.
5. Type *./ibi_html* in the Replace With: box.
6. Click the *Replace All* button.
7. Click the *Save* button on the toolbar.
8. Click *File* and then *Exit*.

Business Intelligence Portal

This section addresses the known issues for BI Portal.

Upload Data and Upload Wizard

- NLS characters are not supported in the following places when using the Upload Data and Upload Wizard:
  - Excel Worksheet name.
  - Folder name from where the Upload Wizard is being launched.

  Workaround: Use invariant (A-Z and 0-9) characters. Support for NLS characters will be added in a future Hotfix.

- The Upload Wizard fails to upload data. This happens when DB2 Web Query DataMigrator is installed and the user running the Upload Wizard is not licensed to use DataMigrator, that is, a user who is not a member of the DevWorkBench group. This requirement will be removed in a future Hotfix.

  Workaround: If a license is available, add the user to the DevWorkBench group using the Security Center. Otherwise, launch the Upload Wizard from a user who is licensed to use DataMigrator, that is, a user who is a member of the DevWorkBench group.

- Run-Time Enablement (RTE) may cause the Upload Wizard to fail. This will happen if the user's current library (CURLIB) is not defined in the user's active RTE environment. The Upload Wizard writes out a temporary file during the upload process.

  Workaround: It is recommended to add both QGPL and the user's CURLIB (if different from the default, QGPL) to the user's active RTE environment using the WRKWQRTE command.

Metadata Wizard

- The Adapters for Query/400, DB Heritage, and JD Edwards should not be used during the Import Metadata step as these are multi-step Create Synonym processes, which are not yet supported by the Metadata Wizard.

  Workaround: Use the Metadata New option to create synonyms for these Adapter types.

InfoAssist

This section addresses the known issues for InfoAssist.

The Cut, Copy, and Paste options are unavailable (grayed out) for an InfoAssist Dashboard text box and keyboard shortcuts.

Developer Workbench

This section addresses the known issues for Developer Workbench.

- Creating a new procedure in InfoAssist will result in a procedure tab name starting with Procedure10.
- The Upload Data option is not available through the Developer Workbench product.

  Workaround: Access the Upload Data option using the Business Intelligence Portal.
- Developer Workbench online help is hosted on a remote server and requires access to the Internet.

  Workaround: A PDF version of the help will be available on the DB2 Web Query Wiki.

JD Edwards Adapters

This section addresses the known issues for the JD Edwards Adapters.

To use the Alternate Language option in the Adapter for JD Edwards EnterpriseOne and the Adapter for JD Edwards World:

1. Configure the adapter with *UDC Direct File Access* unchecked.

2. Run the *Refresh Metadata* with *Alternate Language File* unchecked.

   This step will create the udcdicdb table.

3. Run the *Refresh Metadata* with *Alternate Language File* checked and enter the default language code.

   This step will create the altdicdb table.

4. Create all the synonyms needed.

Note: Steps 2 and 3 need to be run, as needed, whenever UDC descriptions are updated.

Report Broker

This section addresses the known issues for Report Broker.

- Migration of Public Distribution Lists will generate the following error:

  ```
  ERROR IBFSService                    - setShares - opShareBasic/
  opShareAdvanced to this resource denied - user:qwqadmin res:/WFC/
  Repository/untitled/ReportBroker/~ownerID/distribution_list.adr
  [2014-03-11 00:00:00,605] ERROR IBFSAddrBookConverter           -
  Failed to share '/WFC/Repository/untitled/ReportBroker/~ownerID/
  distribution_list.adr' with IBFS:/SSYS/GROUPS/EVERYONE
  ```

  The distribution list will be migrated as a private object. To make this published:

  1. Move the distribution list to a published folder.
  2. Right-click on the distribution list and select the *Publish* option.

- Schedules may not run when using custom date intervals.

  Workaround: Use a different recurring interval, such as monthly or weekly. This will be fixed in a future Hotfix.

Spreadsheet Client

This section addresses the known issues for Spreadsheet Client.

- Populating a spreadsheet using a large Excel Add-in request (25 columns, 200K rows) does not return output.
- DB2 Web Query InfoAssist, when opened from Spreadsheet Client, does not support:
  - Excel Pivot output type
  - Table of Contents format option

  Both of these options will be disabled from Spreadsheet Client InfoAssist in a future release of DB2 Web Query.

National Language Support

This section addresses the known issues for National Language Support (NLS). This section only applies to Turkish and can be ignored otherwise.

In Turkish, running an active Flash or active PDF report in InfoAssist or from BI Portal generates a FOC3357 error.

Workaround: Edit the /QIBM/UserData/qwebqry/base80/client/wfc/etc/nlscfg.err file and add the following line to the end of the file:

```
ENCODING = Cp1026
```

Also, edit the /QIBM/UserData/qwebqry/ibi/srv77/wfs/etc/odin.cfg file by modifying the JSCOM3 Listener block to include an additional argument on the JVM_OPTIONS parameter, as follows:

```
;JSCOM3 Listener
NODE = JSS
BEGIN
  PROTOCOL = TCP
  CLASS = JAVASERVER
  PORT = 12335
  AWT_HEADLESS = Y
  JVM_OPTIONS = -Djava.version=1.6|-Duser.language=en
  JVM_MAX_HEAP = 512
  IBI_CLASSPATH = /home/sqljdbc40/sqljdbc.jar:/home/sqljdbc20/sqljdbc.jar
END
```

DataMigrator/Data Management Console

Important: The renaming of Application Directories in the Data Management Console is not recommended as it may result in execution failures with the contents of the Application Directory.

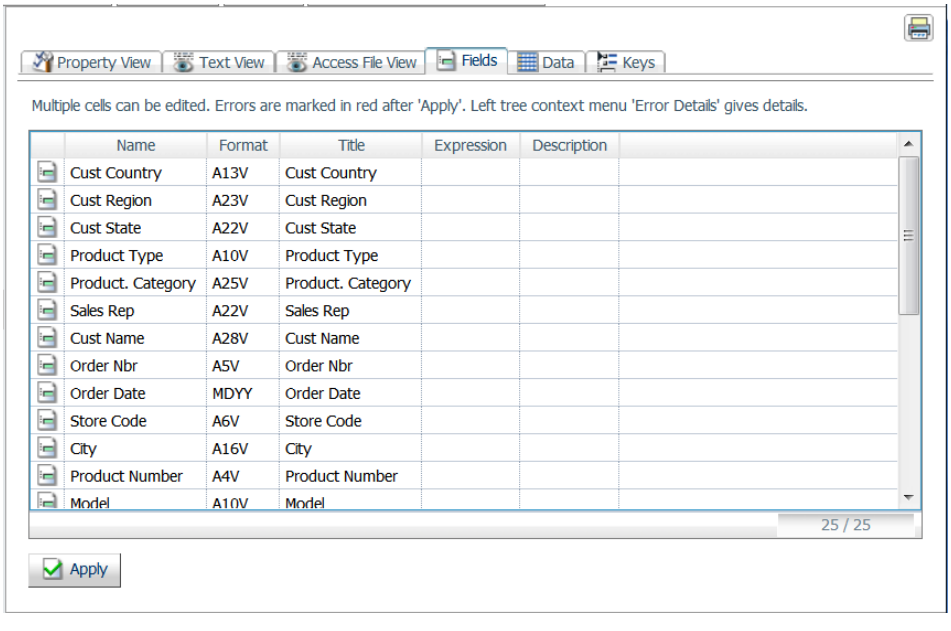
Metadata

This section addresses the known issues for metadata.

- Creating a synonym for a Query/400 file from the right-click folder Metadata Edit option does not generate the associated Web Query procedure in the repository.

  Workaround: Right-click a folder and select the *Metadata New* option to create synonyms for Query/400.

- Editing a synonym using the Fields tab of the Synonym Editor generates a "Failed to load, server may be down, status =404" error upon applying edits. The Synonym Editor tabs are shown in the following image.



  Workaround: Click the *Property View* tab to make any edits to the synonym.

Reporting Language

This section addresses the known issues for the reporting language.

Alert! XLS Files Not Opening After Applying Microsoft Security Patch MS16-088

In July 2016, Microsoft® issued a security patch (MS16-088) that prevents Excel® 2007, 2010, 2013, and 2016 from opening XLS files generated by the Web Query EXL2K and EXL2K FORMULA formats. See *Microsoft Security Bulletin MS16-088 - Critical* for details pertaining to each Office release. As described in *Microsoft Fixes or workarounds for recent issues in Excel for Windows* dated July 2016, when you previously tried to open an HTML file with an .XLS file extension from an untrusted location, Excel would warn about the mismatch between the file extension and content, but would still open the workbook without Protected View security. After the security updates, Excel no longer opens the workbook because these files are not compatible with Protected View, and there is no warning or other indication it was not opened. Excel shows a blank screen instead of a more helpful error message with information about what to do next.

On August 9, 2016, Microsoft issued updates for Microsoft Office to correct the change in behavior introduced by Microsoft July 2016 security updates (MS16-088) for certain file types to increase security. See *Microsoft Excel workbooks may not open after MS16-088 is installed* for additional information, including how to obtain the patch for your Microsoft Office version. As per Microsoft, these updates will also be published to Windows Update and the Windows Server Update Service (WSUS). These services provide files that are updated automatically, based on the Windows Update settings for the computer.

Web Query has been successfully tested with the Microsoft Office update for Excel® 2007, 2010, 2013, and 2016 to confirm XLS files generated by the Web Query EXL2K and EXL2K FORMULA formats open in protected view.

For more information, see *Microsoft Update to Resolve WebFOCUS EXL2K and EXL2K FORMULA (HTML-based) XLS Files Not Opening After Applying Microsoft Security Patch MS16-088*.

Documentation

This section addresses updates to the documentation.

- In the Developer Workbench documentation, the Report and Define Function Library options are not available from the Repository folder New menu.
- In the Developer Workbench documentation, the Visualization and Schedule options are not available from the subfolder right-click menu.
- In the Report Broker, *Selecting a Report Format* topic, GIF format is not supported for bursting.

- In the Developer Workbench *Analyzing Metadata and Procedures with the Impact Analysis Tool* topic, the documentation indicates that the Impact Analysis tool can be launched from the Synonym Editor or from the user interface. Regarding the latter, launching the Impact Analysis tool from the Data Server node on the Explorer tree will limit the search path to the Reporting Server application directories. The only procedures that can reside in these directories are DataMigrator for i data flows.

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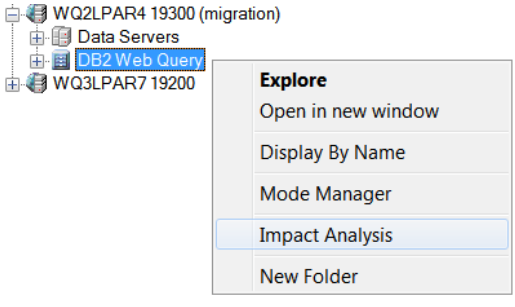
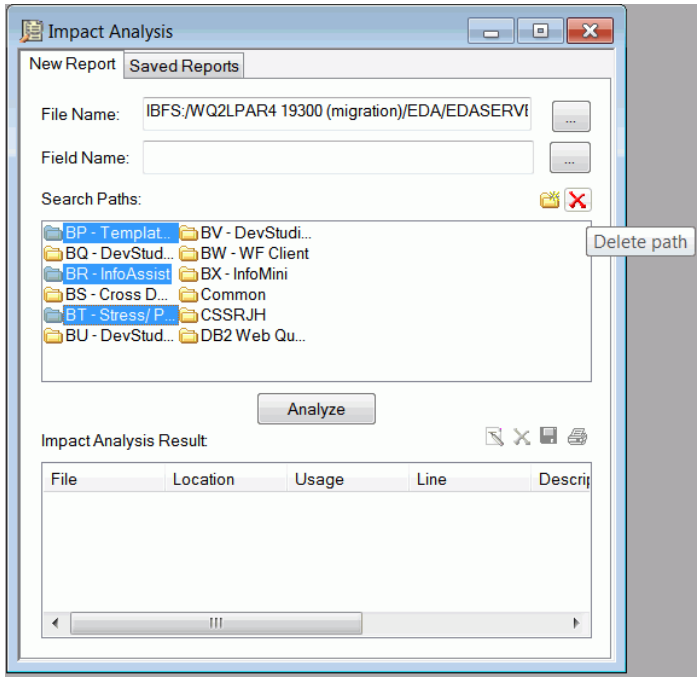


  The search path is determined by the location where you launch the Impact Analysis tool. Launching the tool from the DB2 Web Query node will search the entire repository for procedures that are impacted. There are two ways to limit the scope of the search:

  1. Launch the Impact Analysis tool from a specific top-level folder in the repository.

2. While in the Impact Analysis tool, use the Search Paths filter to delete any top level folders that are not required, as shown in the following image.



Note: Using the Impact Analysis tool from the DB2 Web Query repository node requires a user ID that belongs to the WebQueryAdministrator group.

April 2017 - Hotfix 3

The following are known issues for the April 2017 - 2.2.0 Hotfix 3 release.

Browser Support

This section addresses the known issues for browser support.

Phased Out Support for the Adobe Flash Player in Google Chrome

Google has phased out support for the Adobe Flash Player in its Chrome web browser. Although the Adobe Flash Player will be phased out, it will continue to be packaged with Google Chrome web browsers. Users will need to manually enable the Adobe Flash Player on the Plugins page on a continuing basis.

In addition, the default settings in Google Chrome web browsers (for example, Version 49) do not allow you to open and view a PDF file directly in the browser window. Currently, all PDF files are automatically downloaded to your Downloads folder on your system.

This document describes how to manually enable the Adobe Flash Player plugin in Google Chrome. This document also describes how to enable the Chrome PDF Viewer plugin, which allows you to view PDF files directly in the Google Chrome browser window.

Enabling the Adobe Flash Player Plugin

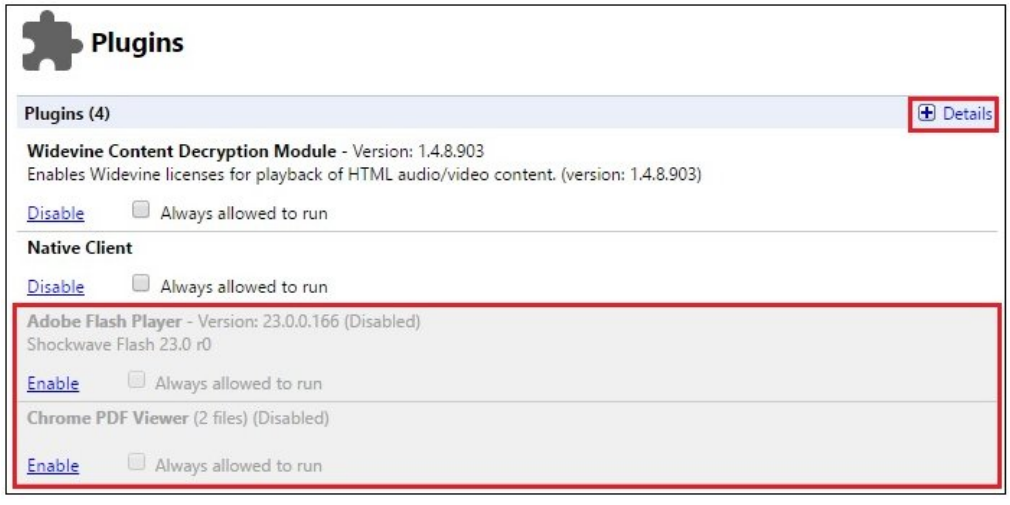
Before continuing, ensure that your version of Adobe Flash Player currently installed is compatible with your version of Adobe Reader. For example:

Operating System	Adobe Flash Player Version	Adobe Reader Version
Windows 10	23.0.0.166	11.0.0

To enable the Adobe Flash Player plugin in Google Chrome:

1. Type *chrome://plugins* in the address bar, as shown in the following image.

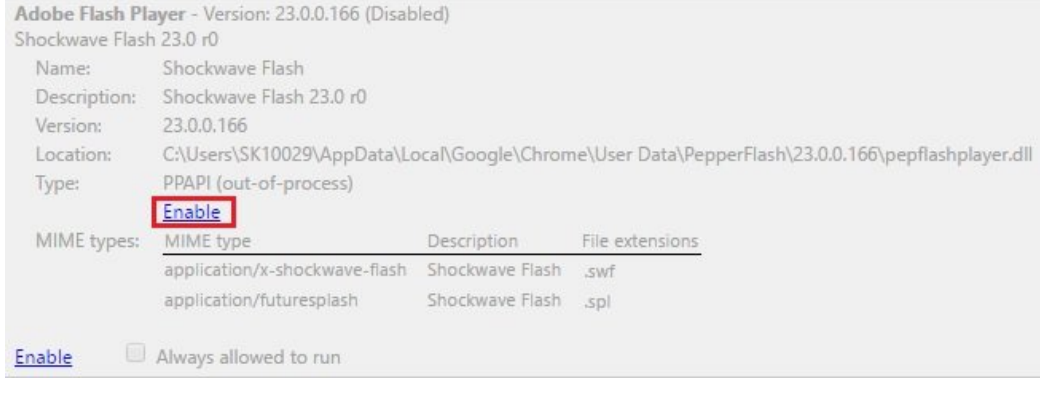
The Plugins page opens, as shown in the following image.



Notice that the Adobe Flash Player plugin is disabled.

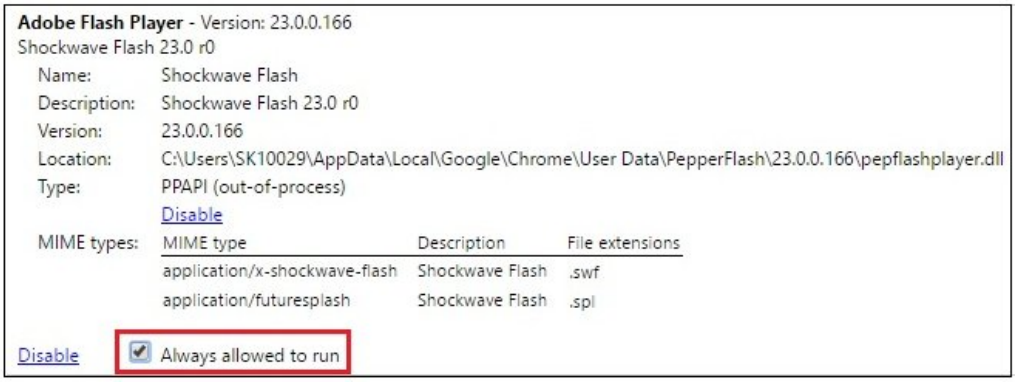
2. Click the *Details* link in the upper-right corner to expand all of the contents in the Plugins page.

   For example, the following image now shows the Adobe Flash Player plugin area expanded.



3. Click *Enable*.

The Adobe Flash Player plugin is now enabled, as shown in the following image.



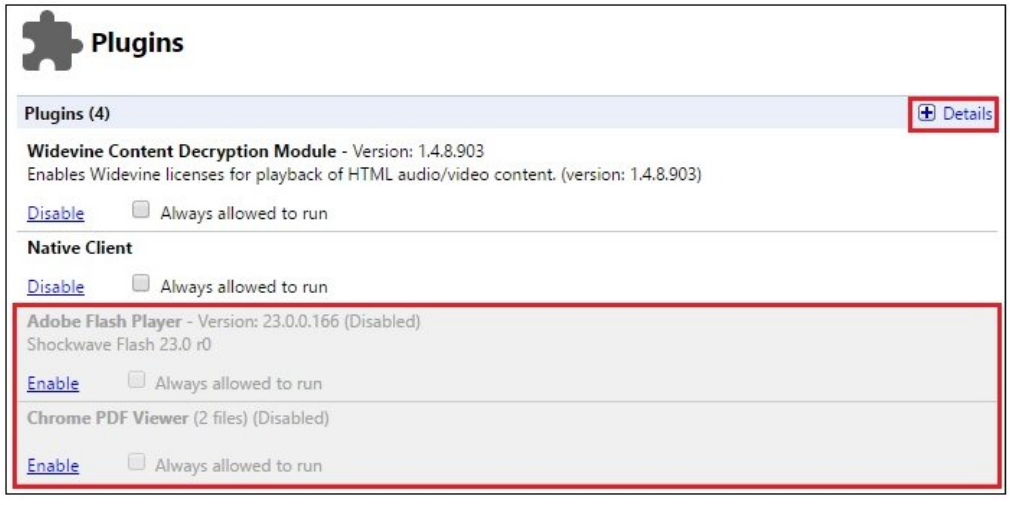
4. Select *Always allowed to run* to always allow the Adobe Flash Player plugin to run and be active.
5. Close the Plugins page.

Enabling the Chrome PDF Viewer Plugin

To enable the Chrome PDF Viewer plugin in Google Chrome:

1. Type *chrome://plugins* in the address bar, as shown in the following image.

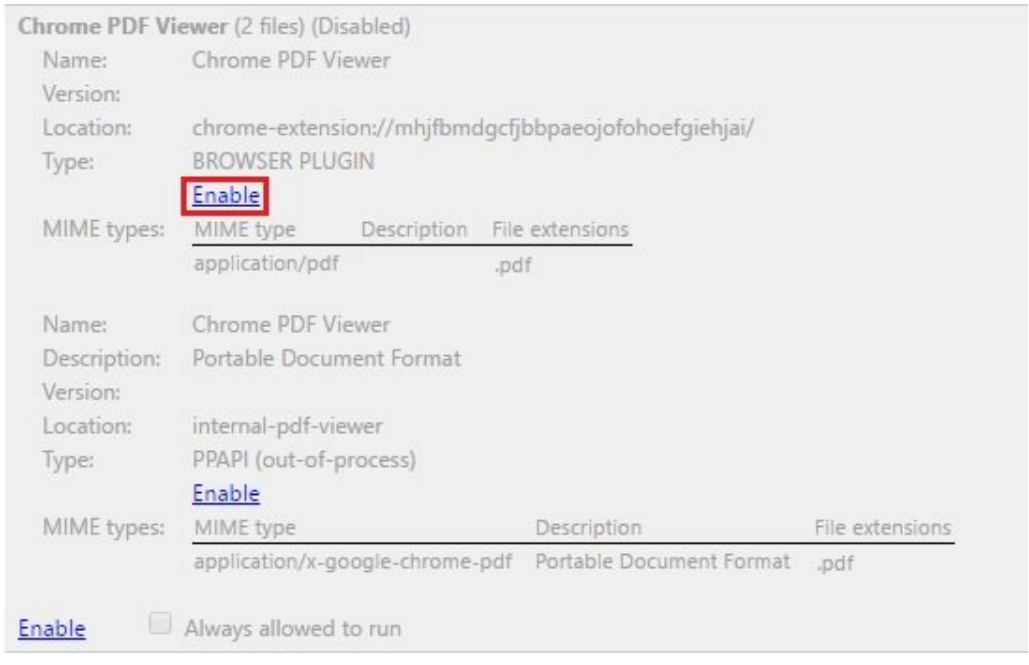
The Plugins page opens, as shown in the following image.



Notice that the Chrome PDF Viewer plugin is disabled.

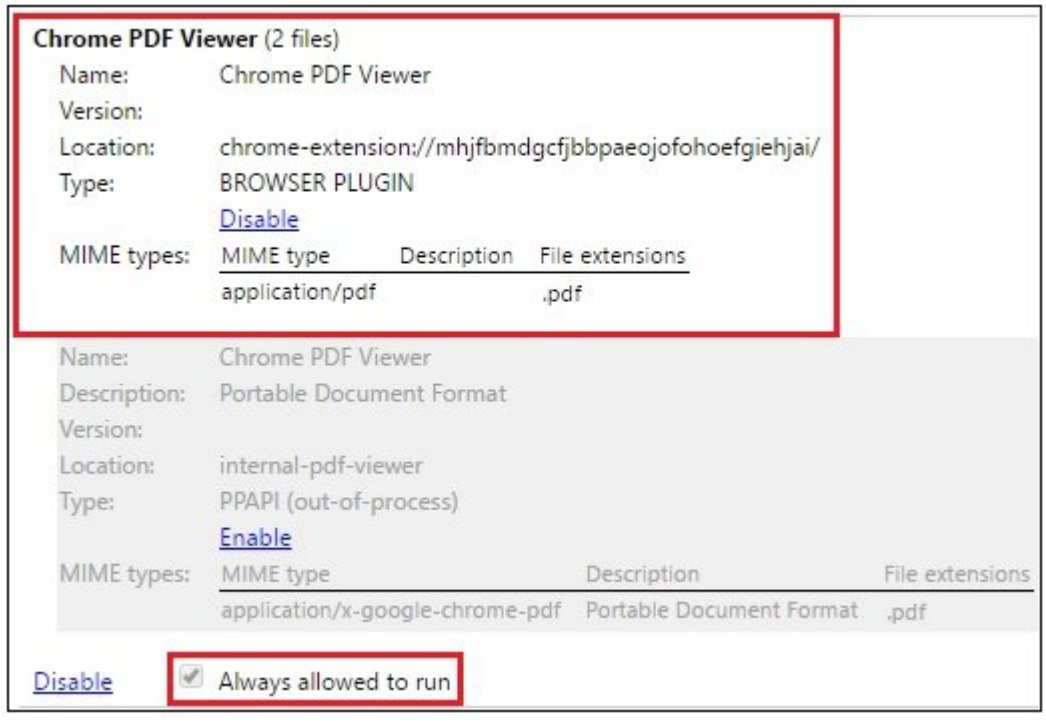
2. Click the *Details* link in the upper-right corner to expand all of the contents in the Plugins page.

For example, the following image now shows the Chrome PDF Viewer plugin area expanded.



3. For the BROWSER PLUGIN type, click *Enable*.

The Chrome PDF Viewer plugin is now enabled, as shown in the following image.



The *Always allowed to run* option is automatically selected, which always allows the Chrome PDF Viewer plugin to run and be active.

4. Close the Plugins page.

DB2 Web Query for i

On IBM i 7.3, start and end messages are written into the QHST log for QSQSRVR jobs in the QWEBQRY21 subsystem. Two messages are logged every minute. To stop the messages, apply SS1 PTF SI64153.

REST-Based Application Extension (WQRAX)

You must edit HTML Composer dashboards that were created prior to Web Query 2.1.0 group PTF level 13 or 2.1.1 group PTF level 2 for compatibility with current fix levels. Otherwise, they will not run in WQRAX after applying this Hotfix.

Workaround: Edit the HTML dashboard using Web Query using the following steps:

1. Sign in to Web Query using a Web Query Administrator user ID.

2. On the BI Portal resource tree, right-click the HTML dashboard file and select *Edit*.

   Note: if you do not see an Edit option, then the dashboard is already at a current version and these steps do not apply.

3. In the text editor, click *Search* and then *Find*.
4. Type */webquery/ibi_html* in the Find What: box.
5. Type *./ibi_html* in the Replace With: box.
6. Click the *Replace All* button.
7. Click the *Save* button on the toolbar.
8. Click *File* and then *Exit*.

Business Intelligence Portal

This section addresses the known issues for BI Portal.

Upgrading

- After upgrading from Version 2.1.0 or 2.1.1 to Version 2.2.0, Portal pages that were created using the New Page option will not appear in the Portal.

Upload Data and Upload Wizard

- NLS characters are not supported in the following places when using the Upload Data and Upload Wizard:
  - Excel Worksheet name.
  - Folder name from where the Upload Wizard is being launched.

  Workaround: Use invariant (A-Z and 0-9) characters. Support for NLS characters will be added in a future Hotfix.

- The Upload Wizard fails to upload data. This happens when DB2 Web Query DataMigrator is installed and the user running the Upload Wizard is not licensed to use DataMigrator, that is, a user who is not a member of the DevWorkBench group. This requirement will be removed in a future Hotfix.

  Workaround: If a license is available, add the user to the DevWorkBench group using the Security Center. Otherwise, launch the Upload Wizard from a user who is licensed to use DataMigrator, that is, a user who is a member of the DevWorkBench group.

- Run-Time Enablement (RTE) may cause the Upload Wizard to fail. This will happen if the user's current library (CURLIB) is not defined in the user's active RTE environment. The Upload Wizard writes out a temporary file during the upload process.

  Workaround: It is recommended to add both QGPL and the user's CURLIB (if different from the default, QGPL) to the user's active RTE environment using the WRKWQRTE command.

Metadata Wizard

- The Adapters for Query/400, DB Heritage, and JD Edwards should not be used during the Import Metadata step as these are multi-step Create Synonym processes, which are not yet supported by the Metadata Wizard.

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- Creating a new procedure in InfoAssist will result in a procedure tab name starting with Procedure10.
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  Workaround: A PDF version of the help will be available on the DB2 Web Query Wiki.

JD Edwards Adapters

This section addresses the known issues for the JD Edwards Adapters.

To use the Alternate Language option in the Adapter for JD Edwards EnterpriseOne and the Adapter for JD Edwards World:

1. Configure the adapter with *UDC Direct File Access* unchecked.
2. Run the *Refresh Metadata* with *Alternate Language File* unchecked.

This step will create the udcdicdb table.

3. Run the *Refresh Metadata* with *Alternate Language File* checked and enter the default language code.

   This step will create the altdicdb table.

4. Create all the synonyms needed.

Note: Steps 2 and 3 need to be run, as needed, whenever UDC descriptions are updated.

Report Broker

This section addresses the known issues for Report Broker.

- Migration of Public Distribution Lists will generate the following error:

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ERROR IBFSService                    - setShares - opShareBasic/
opShareAdvanced to this resource denied - user:qwqadmin res:/WFC/
Repository/untitled/ReportBroker/~ownerID/distribution_list.adr
[2014-03-11 00:00:00,605] ERROR IBFSAddrBookConverter           -
Failed to share '/WFC/Repository/untitled/ReportBroker/~ownerID/
distribution_list.adr' with IBFS:/SSYS/GROUPS/EVERYONE
```

  The distribution list will be migrated as a private object. To make this published:

  1. Move the distribution list to a published folder.
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- Schedules may not run when using custom date intervals.

  Workaround: Use a different recurring interval, such as monthly or weekly. This will be fixed in a future Hotfix.

Spreadsheet Client

This section addresses the known issues for Spreadsheet Client.

- Populating a spreadsheet using a large Excel Add-in request (25 columns, 200K rows) does not return output.
- DB2 Web Query InfoAssist, when opened from Spreadsheet Client, does not support:
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  Both of these options will be disabled from Spreadsheet Client InfoAssist in a future release of DB2 Web Query.

National Language Support

This section addresses the known issues for National Language Support (NLS). This section only applies to Turkish and can be ignored otherwise.

In Turkish, running an active Flash or active PDF report in InfoAssist or from BI Portal generates a FOC3357 error.

Workaround: Edit the /QIBM/UserData/qwebqry/base80/client/wfc/etc/nlscfg.err file and add the following line to the end of the file:

```
ENCODING = Cp1026
```

Also, edit the /QIBM/UserData/qwebqry/ibi/srv77/wfs/etc/odin.cfg file by modifying the JSCOM3 Listener block to include an additional argument on the JVM_OPTIONS parameter, as follows:

```
;JSCOM3 Listener
NODE = JSS
BEGIN
  PROTOCOL = TCP
  CLASS = JAVASERVER
  PORT = 12335
  AWT_HEADLESS = Y
  JVM_OPTIONS = -Djava.version=1.6|-Duser.language=en
  JVM_MAX_HEAP = 512
  IBI_CLASSPATH = /home/sqljdbc40/sqljdbc.jar:/home/sqljdbc20/sqljdbc.jar
END
```

DataMigrator/Data Management Console

Important: The renaming of Application Directories in the Data Management Console is not recommended as it may result in execution failures with the contents of the Application Directory.

Metadata

This section addresses the known issues for metadata.

- Creating a synonym for a Query/400 file from the right-click folder Metadata Edit option does not generate the associated Web Query procedure in the repository.

  Workaround: Right-click a folder and select the *Metadata New* option to create synonyms for Query/400.

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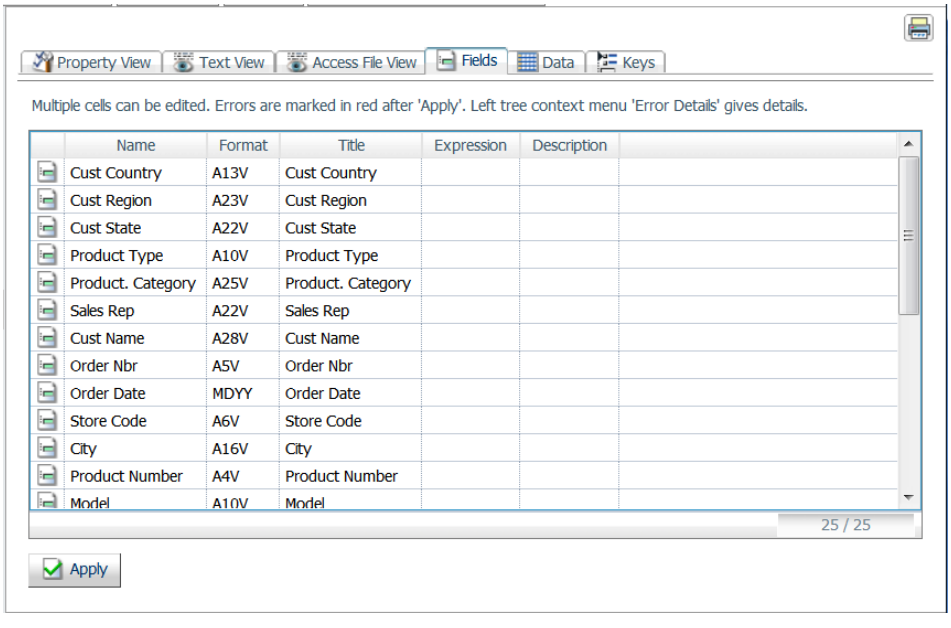

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This section addresses the known issues for the reporting language.

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Web Query has been successfully tested with the Microsoft Office update for Excel® 2007, 2010, 2013, and 2016 to confirm XLS files generated by the Web Query EXL2K and EXL2K FORMULA formats open in protected view.

For more information, see *Microsoft Update to Resolve WebFOCUS EXL2K and EXL2K FORMULA (HTML-based) XLS Files Not Opening After Applying Microsoft Security Patch MS16-088*.

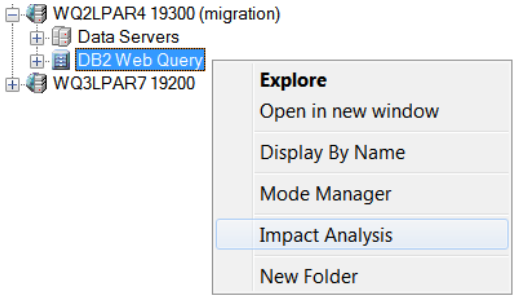
Documentation

This section addresses updates to the documentation.

- In the Developer Workbench documentation, the Report and Define Function Library options are not available from the Repository folder New menu.
- In the Developer Workbench documentation, the Visualization and Schedule options are not available from the subfolder right-click menu.
- In the Report Broker, *Selecting a Report Format* topic, GIF format is not supported for bursting.

- In the Developer Workbench *Analyzing Metadata and Procedures with the Impact Analysis Tool* topic, the documentation indicates that the Impact Analysis tool can be launched from the Synonym Editor or from the user interface. Regarding the latter, launching the Impact Analysis tool from the Data Server node on the Explorer tree will limit the search path to the Reporting Server application directories. The only procedures that can reside in these directories are DataMigrator for i data flows.

  In order for the Impact Analysis tool to be able to search the DB2 Web Query repository, it is necessary to launch the tool from the DB2 Web Query node, and not the Data Servers node, as shown in the following image.



  The search path is determined by the location where you launch the Impact Analysis tool. Launching the tool from the DB2 Web Query node will search the entire repository for procedures that are impacted. There are two ways to limit the scope of the search:

  1. Launch the Impact Analysis tool from a specific top-level folder in the repository.

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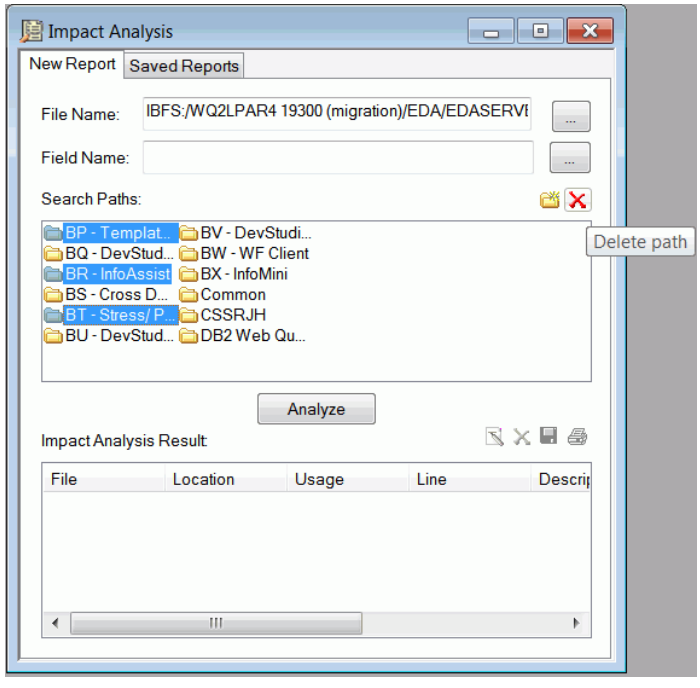

Note: Using the Impact Analysis tool from the DB2 Web Query repository node requires a user ID that belongs to the WebQueryAdministrator group.

January 2017 - Hotfix 2

The following are known issues for the January 2017 - 2.2.0 Hotfix 2 release.

REST-Based Application Extension (WQRAX)

You must edit HTML Composer dashboards that were created prior to Web Query 2.1.0 group PTF level 13 or 2.1.1 group PTF level 2 for compatibility with current fix levels. Otherwise, they will not run in WQRAX after applying this Hotfix.

Workaround: Edit the HTML dashboard using Web Query using the following steps:

1. Sign in to Web Query using a Web Query Administrator user ID.
2. On the BI Portal resource tree, right-click the HTML dashboard file and select *Edit*.

   Note: if you do not see an Edit option, then the dashboard is already at a current version and these steps do not apply.
3. In the text editor, click *Search* and then *Find*.
4. Type */webquery/ibi_html* in the Find What: box.
5. Type *./ibi_html* in the Replace With: box.
6. Click the *Replace All* button.
7. Click the *Save* button on the toolbar.
8. Click *File* and then *Exit*.

Business Intelligence Portal

This section addresses the known issues for BI Portal.

Upload Data and Upload Wizard

- NLS characters are not supported in the following places when using the Upload Data and Upload Wizard:
  - Excel Worksheet name.
  - Folder name from where the Upload Wizard is being launched.

  Workaround: Use invariant (A-Z and 0-9) characters. Support for NLS characters will be added in a future Hotfix.
- The Upload Wizard fails to upload data. This happens when DB2 Web Query DataMigrator is installed and the user running the Upload Wizard is not licensed to use DataMigrator, that is, a user who is not a member of the DevWorkBench group. This requirement will be removed in a future Hotfix.

  Workaround: If a license is available, add the user to the DevWorkBench group using the Security Center. Otherwise, launch the Upload Wizard from a user who is licensed to use DataMigrator, that is, a user who is a member of the DevWorkBench group.

- Run-Time Enablement (RTE) may cause the Upload Wizard to fail. This will happen if the user's current library (CURLIB) is not defined in the user's active RTE environment. The Upload Wizard writes out a temporary file during the upload process.

  Workaround: It is recommended to add both QGPL and the user's CURLIB (if different from the default, QGPL) to the user's active RTE environment using the WRKWQRTE command.

Metadata Wizard

- The Adapters for Query/400, DB Heritage, and JD Edwards should not be used during the Import Metadata step as these are multi-step Create Synonym processes, which are not yet supported by the Metadata Wizard.

  Workaround: Use the Metadata New option to create synonyms for these Adapter types.

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This section addresses the known issues for InfoAssist.

- The Cut, Copy, and Paste options are unavailable (grayed out) for an InfoAssist Dashboard text box and keyboard shortcuts.

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This section addresses the known issues for Developer Workbench.

- Creating a new procedure in InfoAssist will result in a procedure tab name starting with Procedure10.
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  Workaround: A PDF version of the help will be available on the DB2 Web Query Wiki.

JD Edwards Adapters

This section addresses the known issues for the JD Edwards Adapters.

To use the Alternate Language option in the Adapter for JD Edwards EnterpriseOne and the Adapter for JD Edwards World:

1. Configure the adapter with *UDC Direct File Access* unchecked.
2. Run the *Refresh Metadata* with *Alternate Language File* unchecked.

   This step will create the udcdicdb table.
3. Run the *Refresh Metadata* with *Alternate Language File* checked and enter the default language code.

   This step will create the altdicdb table.
4. Create all the synonyms needed.

Note: Steps 2 and 3 need to be run, as needed, whenever UDC descriptions are updated.

Report Broker

This section addresses the known issues for Report Broker.

- Migration of Public Distribution Lists will generate the following error:

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  The distribution list will be migrated as a private object. To make this published:

  1. Move the distribution list to a published folder, right-click the distribution list, and select the *Publish* option.

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This section addresses the known issues for Spreadsheet Client.

- Populating a spreadsheet using a large Excel Add-in request (25 columns, 200K rows) does not return output.

- DB2 Web Query InfoAssist, when opened from Spreadsheet Client, does not support:
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  Both of these options will be disabled from Spreadsheet Client InfoAssist in a future release of DB2 Web Query.

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This section addresses the known issues for National Language Support (NLS). This section only applies to Turkish and can be ignored otherwise.

In Turkish, running an active Flash or active PDF report in InfoAssist or from BI Portal generates a FOC3357 error.

Workaround: Edit the /QIBM/UserData/qwebqry/base80/client/wfc/etc/nlscfg.err file and add the following line to the end of the file:

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ENCODING = Cp1026
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Also, edit the /QIBM/UserData/qwebqry/ibi/srv77/wfs/etc/odin.cfg file by modifying the JSCOM3 Listener block to include an additional argument on the JVM_OPTIONS parameter, as follows:

```
;JSCOM3 Listener
NODE = JSS
BEGIN
  PROTOCOL = TCP
  CLASS = JAVASERVER
  PORT = 12335
  AWT_HEADLESS = Y
  JVM_OPTIONS = -Djava.version=1.6|-Duser.language=en
  JVM_MAX_HEAP = 512
  IBI_CLASSPATH = /home/sqljdbc40/sqljdbc.jar:/home/sqljdbc20/sqljdbc.jar
END
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DataMigrator/Data Management Console

Important: The renaming of Application Directories in the Data Management Console is not recommended as it may result in execution failures with the contents of the Application Directory.

Metadata

This section addresses the known issues for metadata.

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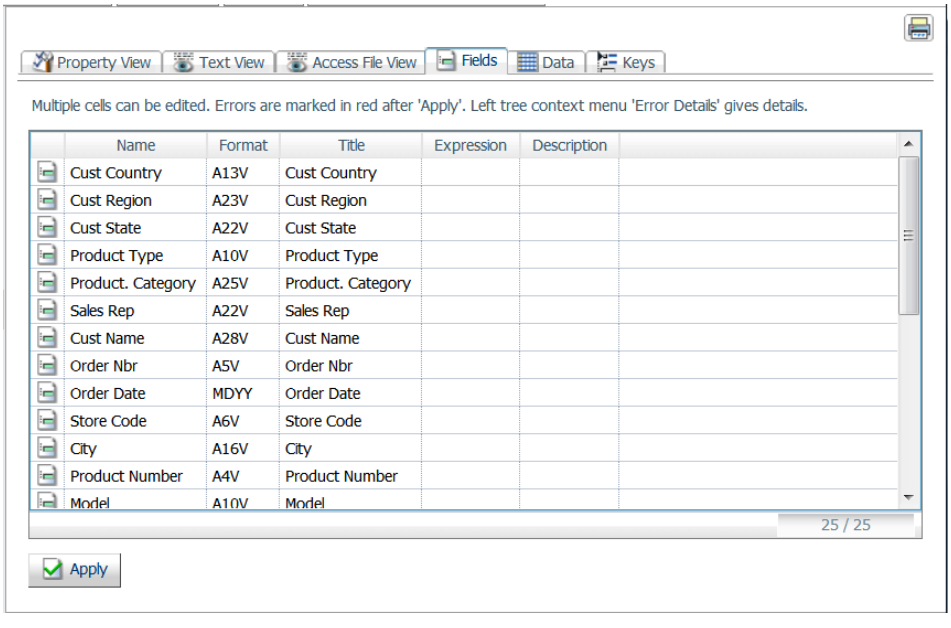

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For more information, see *Microsoft Update to Resolve WebFOCUS EXL2K and EXL2K FORMULA (HTML-based) XLS Files Not Opening After Applying Microsoft Security Patch MS16-088*.

Documentation

This section addresses updates to the documentation.

- The section *Embedded Images in Microsoft Excel (XLSX) Workbooks* is not possible using InfoAssist. This requires a style sheet technique which will be available in the future.
- In the Developer Workbench documentation, the Report and Define Function Library options are not available from the Repository folder New menu.
- In the Developer Workbench documentation, the Visualization and Schedule options are not available from the subfolder right-click menu.

- In the Report Broker, *Selecting a Report Format* topic, GIF format is not supported for bursting.
- In the Developer Workbench *Analyzing Metadata and Procedures with the Impact Analysis Tool* topic, the documentation indicates that the Impact Analysis tool can be launched from the Synonym Editor or from the user interface. Regarding the latter, launching the Impact Analysis tool from the Data Server node on the Explorer tree will limit the search path to the Reporting Server application directories. The only procedures that can reside in these directories are DataMigrator for i data flows.

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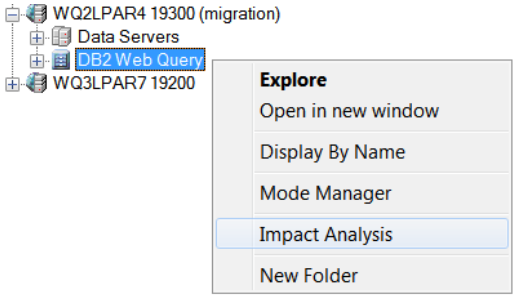

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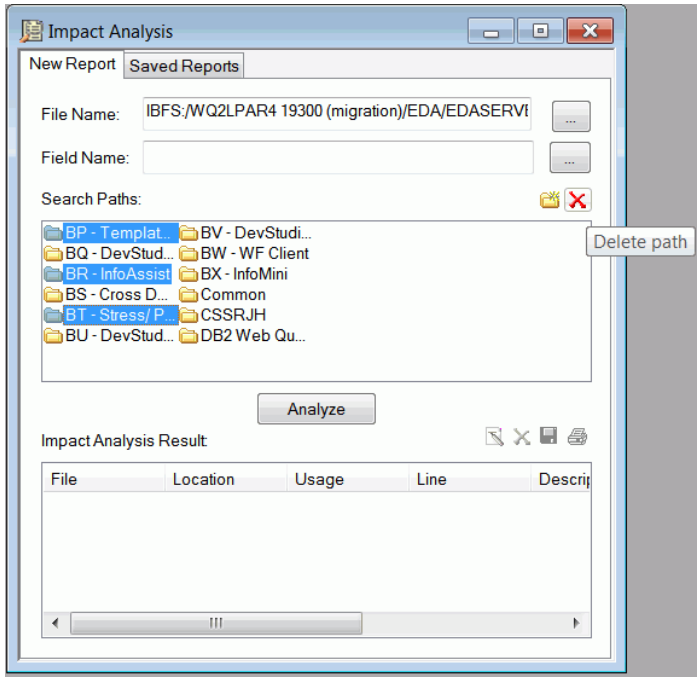

Note: Using the Impact Analysis tool from the DB2 Web Query repository node requires a user ID that belongs to the WebQueryAdministrator group.

September 2016 - Hotfix 1

The following are known issues for the September 2016 - 2.2.0 Hotfix 1 release.

REST-Based Application Extension (WQRAX)

You must edit HTML Composer dashboards that were created prior to Web Query 2.1.0 group PTF level 13 or 2.1.1 group PTF level 2 for compatibility with current fix levels. Otherwise, they will not run in WQRAX after applying this Hotfix.

Workaround: Edit the HTML dashboard using Web Query using the following steps:

1. Sign in to Web Query using a Web Query Administrator user ID.
2. On the BI Portal resource tree, right-click the HTML dashboard file and select *Edit*.

   Note: if you do not see an Edit option, then the dashboard is already at a current version and these steps do not apply.
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- The Upload Wizard fails to upload data. This happens when DB2 Web Query DataMigrator is installed and the user running the Upload Wizard is not licensed to use DataMigrator, that is, a user who is not a member of the DevWorkBench group. This requirement will be removed in a future Hotfix.

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4. Create all the synonyms needed.

Note: Steps 2 and 3 need to be run, as needed, whenever UDC descriptions are updated.

Report Broker

This section addresses the known issues for Report Broker.

- The Run Broker Schedule (RUNBRSCHED) command will not run a Report Broker schedule that uses a distribution list for report distribution.

  Workaround: Run the schedule from the DB2 Web Query browser interface.

- Migration of Public Distribution Lists will generate the following error:

```
ERROR IBFSService                    - setShares - opShareBasic/
opShareAdvanced to this resource denied - user:qwqadmin res:/WFC/
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  The distribution list will be migrated as a private object. To make this published:

  1. Move the distribution list to a published folder.
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Workaround: Edit the /QIBM/UserData/qwebqry/base80/client/wfc/etc/nlscfg.err file and add the following line to the end of the file:

```
ENCODING = Cp1026
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Also, edit the /QIBM/UserData/qwebqry/ibi/srv77/wfs/etc/odin.cfg file by modifying the JSCOM3 Listener block to include an additional argument on the JVM_OPTIONS parameter, as follows:

```
;JSCOM3 Listener
NODE = JSS
BEGIN
  PROTOCOL = TCP
  CLASS = JAVASERVER
  PORT = 12335
  AWT_HEADLESS = Y
  JVM_OPTIONS = -Djava.version=1.6|-Duser.language=en
  JVM_MAX_HEAP = 512
  IBI_CLASSPATH = /home/sqljdbc40/sqljdbc.jar:/home/sqljdbc20/sqljdbc.jar
END
```

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Important: The renaming of Application Directories in the Data Management Console is not recommended as it may result in execution failures with the contents of the Application Directory.

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  Workaround: Right-click a folder and select the *Metadata New* option to create synonyms for Query/400.

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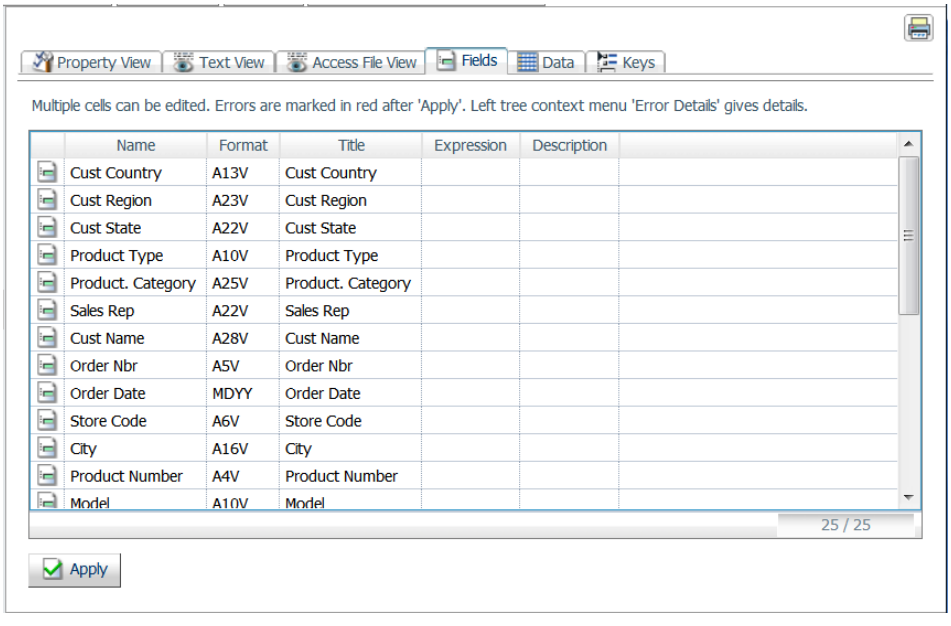


  Workaround: Click the *Property View* tab to make any edits to the synonym.

Reporting Language

This section addresses the known issues for the reporting language.

Alert! XLS Files Not Opening After Applying Microsoft Security Patch MS16-088

In July 2016, Microsoft® issued a security patch (MS16-088) that prevents Excel® 2007, 2010, 2013, and 2016 from opening XLS files generated by the Web Query EXL2K and EXL2K FORMULA formats. See *Microsoft Security Bulletin MS16-088 - Critical* for details pertaining to each Office release. As described in *Microsoft Fixes or workarounds for recent issues in Excel for Windows* dated July 2016, when you previously tried to open an HTML file with an .XLS file extension from an untrusted location, Excel would warn about the mismatch between the file extension and content, but would still open the workbook without Protected View security. After the security updates, Excel no longer opens the workbook because these files are not compatible with Protected View, and there is no warning or other indication it was not opened. Excel shows a blank screen instead of a more helpful error message with information about what to do next.

On August 9, 2016, Microsoft issued updates for Microsoft Office to correct the change in behavior introduced by Microsoft July 2016 security updates (MS16-088) for certain file types to increase security. See *Microsoft Excel workbooks may not open after MS16-088 is installed* for additional information, including how to obtain the patch for your Microsoft Office version. As per Microsoft, these updates will also be published to Windows Update and the Windows Server Update Service (WSUS). These services provide files that are updated automatically, based on the Windows Update settings for the computer.

Web Query has been successfully tested with the Microsoft Office update for Excel® 2007, 2010, 2013, and 2016 to confirm XLS files generated by the Web Query EXL2K and EXL2K FORMULA formats open in protected view.

For more information, see *Microsoft Update to Resolve WebFOCUS EXL2K and EXL2K FORMULA (HTML-based) XLS Files Not Opening After Applying Microsoft Security Patch MS16-088*.

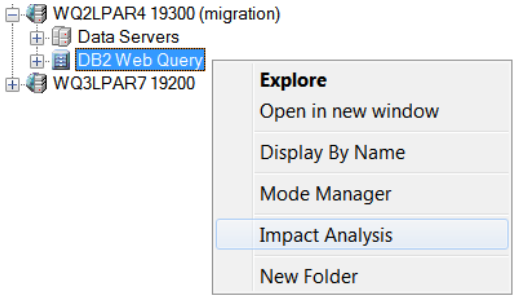
Documentation

This section addresses updates to the documentation.

- In the Developer Workbench documentation, the Report and Define Function Library options are not available from the Repository folder New menu.
- In the Developer Workbench documentation, the Visualization and Schedule options are not available from the subfolder right-click menu.
- In the Report Broker, *Selecting a Report Format* topic, GIF format is not supported for bursting.

- In the Developer Workbench *Analyzing Metadata and Procedures with the Impact Analysis Tool* topic, the documentation indicates that the Impact Analysis tool can be launched from the Synonym Editor or from the user interface. Regarding the latter, launching the Impact Analysis tool from the Data Server node on the Explorer tree will limit the search path to the Reporting Server application directories. The only procedures that can reside in these directories are DataMigrator for i data flows.

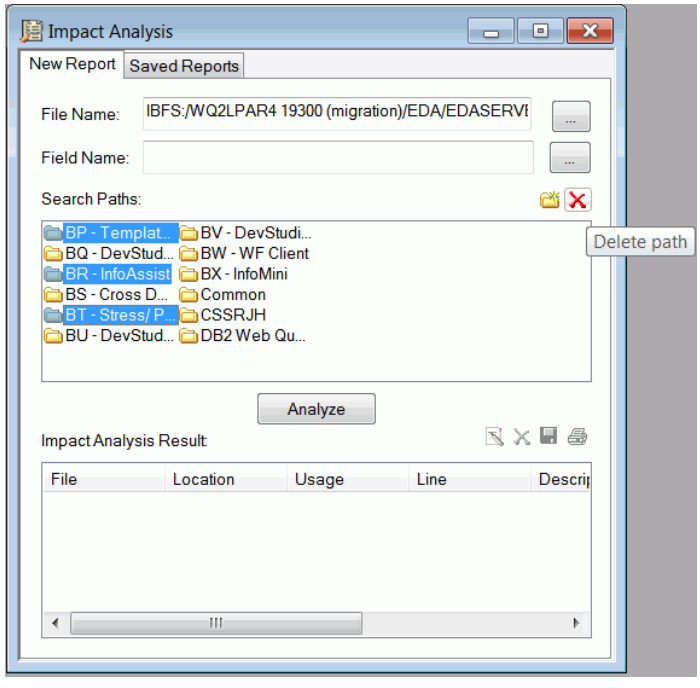
  In order for the Impact Analysis tool to be able to search the DB2 Web Query repository, it is necessary to launch the tool from the DB2 Web Query node, and not the Data Servers node, as shown in the following image.



  The search path is determined by the location where you launch the Impact Analysis tool. Launching the tool from the DB2 Web Query node will search the entire repository for procedures that are impacted. There are two ways to limit the scope of the search:

  1. Launch the Impact Analysis tool from a specific top-level folder in the repository.

2. While in the Impact Analysis tool, use the Search Paths filter to delete any top level folders that are not required, as shown in the following image.



Note: Using the Impact Analysis tool from the DB2 Web Query repository node requires a user ID that belongs to the WebQueryAdministrator group.

Web Query Version 2.2.0 - April 2016

The following are known issues for the Web Query 2.2.0 - April 2016 release.

Business Intelligence Portal

This section addresses the known issues for BI Portal.

Upload Data and Upload Wizard

- NLS characters are not supported in the following places when using the Upload Data and Upload Wizard:
  - Excel Worksheet name.
  - Folder name from where the Upload Wizard is being launched.

  Workaround: Use invariant (A-Z and 0-9) characters. Support for NLS characters will be added in a future Hotfix.

- The Upload Wizard fails to upload data. This happens when DB2 Web Query DataMigrator is installed and the user running the Upload Wizard is not licensed to use DataMigrator, that is, a user who is not a member of the DevWorkBench group. This requirement will be removed in a future Hotfix.

  Workaround: If a license is available, add the user to the DevWorkBench group using the Security Center. Otherwise, launch the Upload Wizard from a user who is licensed to use DataMigrator, that is, a user who is a member of the DevWorkBench group.

- Run-Time Enablement (RTE) may cause the Upload Wizard to fail. This will happen if the user's current library (CURLIB) is not defined in the user's active RTE environment. The Upload Wizard writes out a temporary file during the upload process.

  Workaround: It is recommended to add both QGPL and the user's CURLIB (if different from the default, QGPL) to the user's active RTE environment using the WRKWQRTE command.

Metadata Wizard

- The Adapters for Query/400, DB Heritage, and JD Edwards should not be used during the Import Metadata step as these are multi-step Create Synonym processes, which are not yet supported by the Metadata Wizard.

  Workaround: Use the Metadata New option to create synonyms for these Adapter types.

InfoAssist

This section addresses the known issues for InfoAssist.

- Some navigation and arrow keys (for example, Delete, Home, and End) do not work in the following areas of the application:
  - Text input box for Prompts (Delete key).
  - Join Description of the Edit Join dialog box (arrow keys).

  Workaround: Use the mouse and Backspace key.

  Note: This applies to Firefox versions 27.0.01 and higher.

Developer Workbench

This section addresses the known issues for Developer Workbench.

- The Upload Data option is not available through the Developer Workbench product.

  Workaround: Access the Upload Data option using the Business Intelligence Portal.

- Developer Workbench online help is hosted on a remote server and requires access to the Internet.

  Workaround: A PDF version of the help will be available on the DB2 Web Query Wiki.

JD Edwards Adapters

This section addresses the known issues for the JD Edwards Adapters.

To use the Alternate Language option in the Adapter for JD Edwards EnterpriseOne and the Adapter for JD Edwards World:

1. Configure the adapter with *UDC Direct File Access* unchecked.
2. Run the *Refresh Metadata* with *Alternate Language File* unchecked.

   This step will create the udcdicdb table.
3. Run the *Refresh Metadata* with *Alternate Language File* checked and enter the default language code.

   This step will create the altdicdb table.
4. Create all the synonyms needed.

Note: Steps 2 and 3 need to be run, as needed, whenever UDC descriptions are updated.

Report Broker

This section addresses the known issues for Report Broker.

- Migration of Public Distribution Lists will generate the following error:

```
ERROR IBFSService                    - setShares - opShareBasic/
opShareAdvanced to this resource denied - user:qwqadmin res:/WFC/
Repository/untitled/ReportBroker/~ownerID/distribution_list.adr
[2014-03-11 00:00:00,605] ERROR IBFSAddrBookConverter            -
Failed to share '/WFC/Repository/untitled/ReportBroker/~ownerID/
distribution_list.adr' with IBFS:/SSYS/GROUPS/EVERYONE
```

  The distribution list will be migrated as a private object. To make this published:

  1. Move the distribution list to a published folder.
  2. Right-click on the distribution list and select the *Publish* option.

- Schedules may not run when using custom date intervals.

  Workaround: Use a different recurring interval, such as monthly or weekly. This will be fixed in a future Hotfix.

Spreadsheet Client

This section addresses the known issues for Spreadsheet Client.

DB2 Web Query InfoAssist, when opened from Spreadsheet Client, does not support the following:

- Excel Pivot output type
- Table of Contents format option

Both of these options will be disabled from Spreadsheet Client InfoAssist in a future release of DB2 Web Query.

National Language Support

This section addresses the known issues for National Language Support (NLS). This section only applies to Turkish and can be ignored otherwise.

In Turkish, running an active Flash or active PDF report in InfoAssist or from BI Portal generates a FOC3357 error.

Workaround: Edit the /QIBM/UserData/qwebqry/base80/client/wfc/etc/nlscfg.err file and add the following line to the end of the file:

```
ENCODING = Cp1026
```

Also, edit the /QIBM/UserData/qwebqry/ibi/srv77/wfs/etc/odin.cfg file by modifying the JSCOM3 Listener block to include an additional argument on the JVM_OPTIONS parameter, as follows:

```
;JSCOM3 Listener
NODE = JSS
BEGIN
  PROTOCOL = TCP
  CLASS = JAVASERVER
  PORT = 12335
  AWT_HEADLESS = Y
  JVM_OPTIONS = -Djava.version=1.6|-Duser.language=en
  JVM_MAX_HEAP = 512
  IBI_CLASSPATH = /home/sqljdbc40/sqljdbc.jar:/home/sqljdbc20/sqljdbc.jar
END
```

DataMigrator/Data Management Console

Important: The renaming of Application Directories in the Data Management Console is not recommended as it may result in execution failures with the contents of the Application Directory.

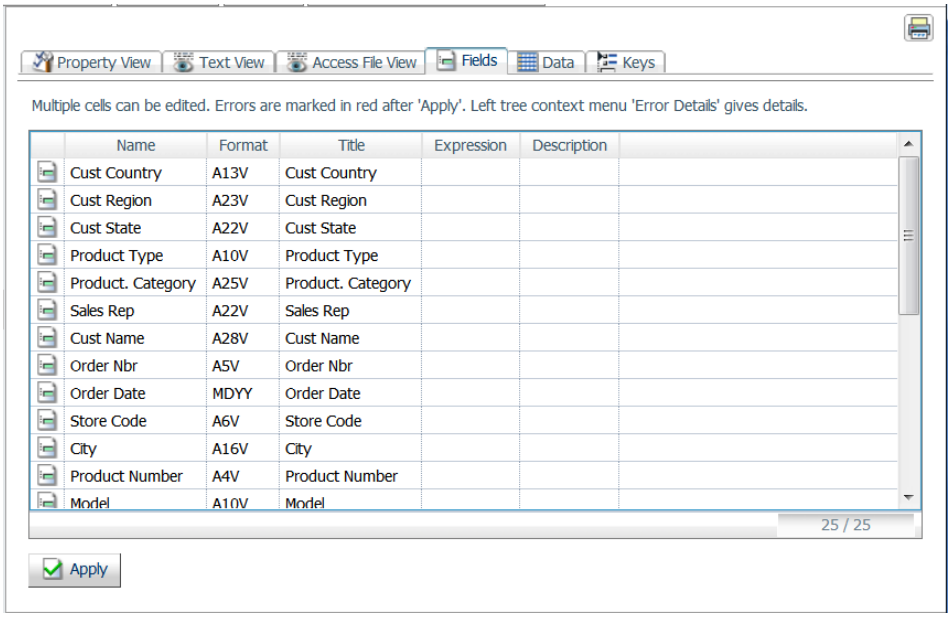
Metadata

This section addresses the known issues for metadata.

- Creating a synonym for a Query/400 file from the right-click folder Metadata Edit option does not generate the associated Web Query procedure in the repository.

  Workaround: Right-click a folder and select the *Metadata New* option to create synonyms for Query/400.

- Editing a synonym using the Fields tab of the Synonym Editor generates a "Failed to load, server may be down, status =404" error upon applying edits. The Synonym Editor tabs are shown in the following image.



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Documentation

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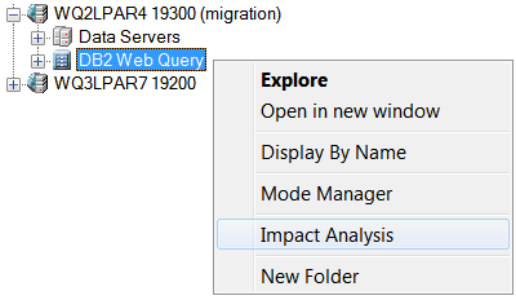

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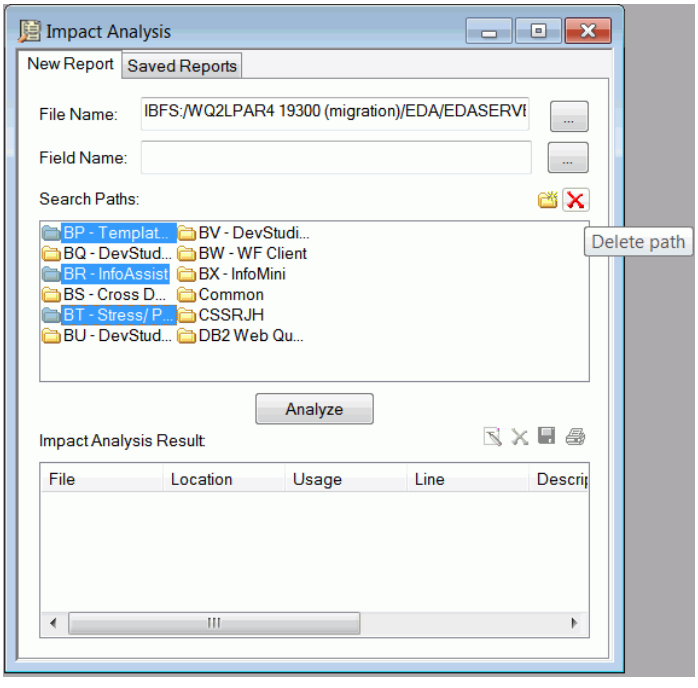

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