HPE IT Business Analytics 10.10 Patch 0001 Release Notes

Linux operating system

Software version: June 2016

Documentation version: June 2016

The document includes the following topics:

Installation

File Structure in the Patch Package

File Name	Description
HPBA10.10-Patch1-redhat-x64-bin.tar.gz	ITBA10.1 Patch1 installer for Redhat/Centos
HPBA10.10-Patch1-ubuntu-x64-bin.tar.gz	ITBA10.1 Patch1 installer for Ubuntu
BOE4.1SP7-Linux/BIPLATSVR4107_0-20010869.TGZ	BOE 4.1 sp7 patch installer on Linux
BOE4.1SP7-Windows/BIPLATSVR4107_0-20010870.EXE	BOE 4.1 sp7 patch installer on windows

Prerequisites

Before you install the Patch, perform the following steps:

1. To ensure HPE IT Business Analytics (ITBA) 10.10 is installed and running, proceed as follows:

   - Go to **$HPBA_HOME/supervisor/bin** and execute **hpba-status.sh** to check that ITBA 10.10 is running.

   ```
   [admin@xs10v7 bin]$ ls
   check-vertica-connection.sh  hpba-restart.sh  hpba-start.sh  hpba-status.sh  hpba-stop.sh
   [admin@xs10v7 bin]$ ./hpba-status.sh

   Postgres is starting ...Postgres started
   Apache-Httpd is starting ...Apache-Httpd started
   MQBroker is starting ...MQBroker started
   Vertica connection checking ... Passed
   Glassfish is starting .........Glassfish started

   Stauts: HPBA is started.

   [admin@xs10v7 bin]$ pwd
   /home/admin/HPBA-340-340-master-redhat-x64/supervisor/bin
   [admin@xs10v7 bin]$ 
   ```

   - Log on the ITBA application and see that everything is working properly.

Install Patch

The patch is installed on the ITBA server.

> **Note:** ITBA is automatically backed up by the patch installation.

1. Download the **EXSC_00025.zip** package from
   **https://softwaresupport.hpe.com/group/softwaresupport/search-result/-
   /facetsearch/document/KM02392650?lang=en&cc=us&hpappid=202392_SSO_PRO_HPE.**

2. Decompress **EXSC_00025.zip**.

   > **Note:** Two ITBA 10.10 patch installers are available: one for Redhat and Centos, the other
   > one for Ubuntu.

3. Upload the corresponding ITBA10.10 patch installer to the ITBA 10.10 server with the user that
   installed ITBA10.10

4. Decompress the ITBA Patch Installer. In the directory where you decompressed the package, run
   ./ITBA1010SP1Upgrade.sh.

   Enter **Y** to accept that the patch will overwrite some of the items.

   ```
   Start the ITBA1010SP1 Upgrade...

   check if the content pack is currently installing or upgrade......................[passed]

   check if the ETL is running or not................................................[passed]

   check if the KPI engine is running................................................[passed]

   check if the CAP is deactivating or activating....................................[passed]

   precheck passed, making sure that the modules are not running during the upgrade
   Input ***ABSOLUTE*** path to back up the current ITBA: /home/admin/Backup
   System type: RedHat
   Success: BACKUP directory disk space check passed.
   INFO: BACKUP PATH check passed.
   ```

   Enter the path where you want to backup ITBA. Save the path for future use. The name of the
   backup file uses the following pattern: **ITBA1010SP1-BACKUP-<YYYYMMDD>-<HH-MM-
   SS>.tar.gz**.

   ```
   Start the ITBA1010SP1 Upgrade...

   check if the content pack is currently installing or upgrade......................[passed]

   check if the ETL is running or not................................................[passed]

   check if the KPI engine is running................................................[passed]

   check if the CAP is deactivating or activating....................................[passed]

   precheck passed, making sure that the modules are not running during the upgrade
   Input ***ABSOLUTE*** path to back up the current ITBA: /home/admin/Backup
   System type: RedHat
   Success: BACKUP directory disk space check passed.
   INFO: BACKUP PATH check passed.
   ```

The Patch installation starts.

```
(1/53)   sp1_upgrade ...                        [>                                          ] (2%)    1ms
(2/53)   versionAvailableCheckTask              [=>                                         ] (4%)    23ms
(3/53)   pgConnectionAvailableCheckTask         [==>                                        ] (6%)    561ms
(4/53)   baServiceCheckTask                     [===>                                       ] (8%)    13s
(5/53)   dataIntegrityAndPortsCheckTask         [===>                                       ] (9%)    109ms
(6/53)   dumpPostgres                           [====>                                      ] (11%)   18s
(7/53)   stopHPBAForBackup                      [=====>                                     ] (13%)   68s
(8/53)   backupTask                             [======>                                    ] (15%)   831s
(9/53)   deleteDomainTemplate                   [======>                                    ] (17%)   1s
(10/53)  startHPBAAfterBackup                   [=======>                                   ] (19%)   163s
(11/53)  appPostgresSQLTask                     [========>                                  ] (21%)   623ms
(12/53)  getVerticaInfoTask                     [=========>                                 ] (23%)   687ms
(13/53)  replacePlaceholderTask                 [=========>                                 ] (25%)   245ms
(14/53)  verticaSQLTask                         [==========>                                ] (26%)   149ms
(15/53)  markSP1UpgradingInProcessTask          [===========>                               ] (28%)   96ms
(16/53)  changeDomainTask                       [============>                              ] (30%)   28ms
(17/53)  CheckConsolidationStatus               [============>                              ] (32%)   918ms
(18/53)  GetScheduleJobTask                     [=============>                             ] (34%)   21ms
(19/53)  CheckDataSourceInstance                [==============>                            ] (36%)   15ms
(20/53)  CheckAllUploadedCapsTask               [===============>                           ] (38%)   14ms
(21/53)  CheckActivatedCaps                     [===============>                           ] (40%)   16ms
(22/53)  supervisorStop                         [================>                          ] (42%)   55s
(23/53)  setSupervisorDEBUGModel                [=================>                         ] (43%)   30ms
(24/53)  deleteGeneratedDirs                    [==================>                        ] (45%)   137ms
(25/53)  upgrading                              [==================>                        ] (47%)   37s
(26/53)  upgradeChangeModeTask                  [===================>                       ] (49%)   89ms
(27/53)  getGlassfishInfoTask                   [====================>                      ] (51%)   93ms
(28/53)  postUpgrade                            [=====================>                     ] (53%)   2ms
(29/53)  unsetSupervisorDEBUGModel              [=====================>                     ] (55%)   14ms
(30/53)  supervisorStart                        [======================>                    ] (57%)   154s
(31/53)  undeployAllWars                        [=======================>                   ] (58%)   21s
(32/53)  undeployETLToolKit                     [=======================>                   ] (60%)   920ms
(33/53)  stopHPBAInUpgrade                      [========================>                  ] (62%)   6s
(34/53)  deleteGeneratedDirsUpgrade             [=========================>                 ] (64%)   127ms
(35/53)  startHPBAInUpgrade                     [=========================>                 ] (66%)   15s
(36/53)  deployAllWars                          [==========================>                ] (68%)   216s
(37/53)  deployETLToolKit                       [==========================>                ] (70%)   4s
(38/53)  abortRunningETL                        [===========================>               ] (72%)   71ms
(39/53)  deactivatedInstances                   [============================>              ] (74%)   10s
(40/53)  redeployContentPack                    [=============================>             ] (75%)   1773s
(41/53)  ActivateDataSourceTask                 [=============================>             ] (77%)   166s
(42/53)  RestoreScheduleJobTask                 [==============================>            ] (79%)   46ms
(43/53)  EnableConsolidationTask                [===============================>           ] (81%)   13ms
(44/53)  DeactivateCapsTask                     [===============================>           ] (83%)   25s
(45/53)  DelCapsFromWebTask                     [================================>          ] (85%)   921ms
(46/53)  OutOfTheBoxImportTask                  [=================================>         ] (87%)   262s
(47/53)  ActivateCapsTask                       [==================================>        ] (89%)   335s
(48/53)  markUpgradeFinish                      [===================================>       ] (91%)   23ms
(49/53)  deleteSensitiveInformation             [===================================>       ] (92%)   1ms
(50/53)  stopHPBA4Upgrade                       [====================================>      ] (94%)   56s
(51/53)  deleteGeneratedDirs4Upgrade            [=====================================>     ] (96%)   612ms
(52/53)  startHPBA4Upgrade                      [======================================>]   (98%)   140s
(53/53)  caculateCapTask                        [=======================================]   (100%)  650s
Upgrade 10.10SP1 completed successfully! The data calculation may be still in progress.
Upgrade 10.10SP1 has taken 84 minutes 6 seconds
```

The patch installation is complete.

Upgrade to BO 4.1 SP7

Tip: This upgrade section is optional as ITBA 10.10 supports both BO 4.1SP2, BO 4.1SP3, and BO 4.1 SP7.

Update Installation on Windows

You must have Administrator privileges on your Windows system to run an update installation.

In order to free resources on the machine on which you are installing this update, it is recommended that you use the Central Management Console (CMC) to stop all of the BI platform servers on the machine before installing the update, with the following exceptions:

- Server Intelligence Agent (SIA)
- Central Management Server (CMS)
- Input and Output File Repository Servers (FRS)
- CMS system database

These services and servers must be running for the installation to proceed.

Note: If you are updating a product that contains server components, the installation program prompts you for information for your deployment's Central Management Server (CMS). This is required to update content that is stored in the CMS database, such as localized strings for server properties.

To install the BI platform server update on Windows

This procedure is used to install updates to the BI platform servers running on Windows.

1. In the **EXSC_00025.zip** package you have already downloaded, launch the BOE installation by running **setup.exe**.

   Note: Two BOE upgrade installers are available: one for Redhat and Centos, the other one for Ubuntu.

2. Choose a language for the installation program to use during the installation process, and click

OK.

The installation program checks your system to ensure the proper prerequisites are in place.

3. Click **Next**.

4. In the **Welcome** dialog box, click **Next** to proceed.

5. In the **License Agreement** dialog box, review the contents of the End User License Agreement, and click **Next** to proceed if you agree to the terms.

   If the update includes server components, the **CMS** dialog box is displayed.

6. Type the Hostname, Port Number, and Administrator Password for your deployment's CMS, and click **Next** to continue.

7. In the **Start Installation** dialog box, click **Next** to begin the installation.

   The update will install. When the installation is complete, a completion screen will appear. This screen may contain some additional instructions.

   Note: If web applications are updated as part of the update, depending on the options you chose when you originally installed SAP BusinessObjects Enterprise a dialog box may appear with additional instructions for redeploying your .war files.

8. Click **Finish**.

To install client product updates on Windows

Note: Ensure that all BI Suite client products are closed before installing the update. Should you find that any client program fails to start after the update, running the installation program in repair mode should correct the issue.

This procedure is used to install updates for BI Suite client products. This includes the following packages:

- SAP BusinessObjects Business Intelligence platform Client Tools
- SAP Crystal Reports 2013
- SAP Crystal Reports for Enterprise
- SAP BusinessObjects Live Office
- SAP BusinessObjects Dashboards

1. Launch the installation by running **setup.exe**.

2. Choose a language for the installation program to use during the installation process, and click **OK**. The installation program will perform a check to ensure the required prerequisites are in place.

3. Click **Next**.

4. In the **Welcome** dialog box, click **Next**.

5. In the **License Agreement** dialog box, review the contents of the End User License Agreement, and click **Next** to proceed if you agree to the terms.

6. In the **Start Installation** dialog box, click **Next** to begin the installation. The **Installation Progress** dialog box appears.

Update installation on UNIX

In order to free resources on the machine on which you are installing this update, it is recommended that you use the Central Management Console (CMC) to stop all of the BI platform servers on the machine before installing the update, with the following exceptions:

- Server Intelligence Agent (SIA)

- Central Management Server (CMS)

- Input and Output File Repository Servers (FRS)

- •CMS system database

These services and servers must be running for the installation to proceed.

> **Note:** If you are updating server components, the installation program prompts you for information for your deployment's Central Management Server (CMS). This is required to update content that is stored in the CMS database, such as localized strings for server properties.

To install the BI platform server update on UNIX

1. Launch the installation by running the following command from the update installation source file location: **./setup.sh**

2. Select the language you want the installation program to run in and press **Enter**.

   A dialog box appears that shows the installation directory you have specified.

3. Verify the installation directory and press **Enter** to start the installation.

The installation program will check to ensure the required prerequisites are in place.

4. Press **Enter** to continue.

   A Welcome screen will be displayed.

5. Press **Enter** to continue.

   The license agreement will be displayed.

6. Review the content of the License agreement and press **Enter** to agree and proceed.

   If the update includes server components, you will be prompted for your CMS credentials.

7. Enter your CMS credentials and press Enter to start the installation. The progress indicator displays the status of the installation.

   A message will appear when the install is complete. This message may also have some additional instructions.

   > **Note:** If web applications are modified as part of the update, depending on the options you chose when you originally installed SAP BusinessObjects Enterprise a dialog box may appear with additional instructions for redeploying your .war files.

8. Press **Enter** to complete the installation.

   To review details of the installation, you can view the contents of the installation log file located in: **<INSTALLDIR>/InstallData/logs/<DATEandTIME>/.**

Uninstallation

To uninstall the patch:

1. During the installation of the patch, a backup file was created in the path that you specified. The name of the backup file uses the following pattern: **ITBA1010SP1-BACKUP-<YYYYMMDD>-<HH-MM-SS>.tar.gz**.

2. Make sure that ITBA 10.10 Patch 0001 is up and running before executing the uninstall process.

3. In the directory where you decompressed the Patch 0001 package, run **./Uninstall.sh**

   Enter **Y** to uninstall the patch.

```
[admin@xs10v7 HPBA10.10-Patch1-1015]$ ./Uninstall.sh
HPBA_HOME is /home/admin/HPBA-340-340-master-redhat-x64
Pass uninstall operator check...
Pass environment variable check!


=======================================================
========== Welcome to ITBA1010SP1 Uninstall =======
=======================================================


*NOTICE*:
Please confirm the following requirements:
  (1) This upgrade uninstall shell is only for ITBA10.10-SP1 uninstall.
  (2) This server should have installed ITBA10.10-SP1.
  (3) Contact supporter for further solution would be much better than uninstall ITBA10.10-SP1.

Are you sure to continue your uninstall operation? (Y/N):
```

   Enter the backup file absolute path including the file name to restore ITBA 10.10.

```
Start to uninstall ITBA10.10-SP1...


Please input ***ABSOLUTE*** file path and name of your backup file of ITBA 10.10 : /home/admin/backuptest/ITBA1010SP1-BACKUP-20160523-13-08-40.tar.gz
```

   The uninstallation program is running:

```
Postgres is stopping ....Postgres stopped
Apache-Httpd is stopping ...Apache-Httpd stopped
MQBroker is stopping ...MQBroker stopped
Glassfish is stopping ....................................................Glassfish stopped

Status: ITBA stopped.

Successfully remove folders that changed in SP1 installation!
apps/
apps/LogPortal.war
apps/data-consolidation-web.war
apps/xs2go-webapp.war
apps/dimension-level-permission-webapp.war
apps/notification-webapp.war
apps/dw-etl-control-services.war
apps/dcs-web.war
apps/cap-webapp.war
apps/bsf.war
apps/README.md
apps/uim.war
```

The uninstall process was successful:

```
webserver/httpd/htdocs/static/Movies/47_CSA_and_CSA_Demo_CAPs.mp4
webserver/httpd/htdocs/static/Movies/8_Filter_Components.mp4
webserver/httpd/htdocs/static/Movies/29_Understanding_the_documentation.mp4
webserver/httpd/htdocs/static/Movies/6_Add_Annotation_and_Use_Action_Bar.mp4
webserver/httpd/htdocs/static/Movies/5_Run_the_ETL.mp4
webserver/httpd/htdocs/static/Movies/48_AM_and_AM_Demo_CAPs.mp4
webserver/httpd/htdocs/static/Movies/12_Build_a_Scorecard_Tree_and_Create_a_new_KPI.mp4
webserver/httpd/htdocs/static/Movies/13_Create_a_New_Metric.mp4
webserver/httpd/htdocs/static/Movies/9_Configure_a_Calculation_Rule_for_an_Objective.mp4
webserver/httpd/htdocs/static/Movies/3_Create_New_User.mp4
webserver/httpd/htdocs/static/images/
webserver/httpd/htdocs/static/images/hpe/
webserver/httpd/htdocs/static/images/hpe/HPE_logo_Option2.png
webserver/httpd/htdocs/static/images/hpe/XSnewLogo.png
webserver/httpd/htdocs/static/images/hpe/LoginBG_0.jpg
webserver/httpd/htdocs/static/images/hpe/HPE_logo_Option1.png
webserver/httpd/htdocs/static/images/hpe/HPE_logo_Option0.png
webserver/httpd/htdocs/index.html
Successfully decompress backup file!


Postgres is stopping ...Postgres stopped
Apache-Httpd is stopping ...Apache-Httpd stopped
MQBroker is stopping ...MQBroker stopped
Glassfish is stopping ...Glassfish stopped

Status: ITBA stopped.


Postgres is starting ....Postgres started
Apache-Httpd is starting ...Apache-Httpd started
MQBroker is starting ........MQBroker started
Vertica connection checking ... Passed
Glassfish is starting .........................................................................................................Glassfish started

Stauts: ITBA is running.

Uninstallation completed successfully!
```

Change Requests

The Patch corrects the following Change Requests:

Change Request (QCCR8B)	Description
25485	KPI calculation - Multiple threads getting created for same context calculation which is causing processor confusion & processing to stop.
25489	Upgrade - The KPI library is not updated after the upgrade.
25500	MaintenanceTool (8.Update Autopass) - Change the description of this item to "Update Usage Hub Host".
25548	EXPLORER - User Only can select current period but cannot select other periods for the Objective in EXPLORER.
25556	Feedback on ITBA 10.10 Installation Guide.
25579	Engine (KPI calculation) - KPI formulas that include the period condition "NOW" in the formula and multiple/cascaded level breakdowns will cause performance issues.
25581	The Data Set data will be missed when enabling DLP for the breakdown entity.
25583	Improve EXPLORER Overview performance.
25587	Improve Page Filter component performance.
25590	Improve Breakdown View component performance.
25593	Improve Stack Bar View component performance.
25598	KPI result cache is not refreshed after calculation.
25610	Cross-Site Scripting: Reflected.
25613	Poor error handling: unhandled exception.
25662	Dashboard - Breakdown view is refreshing slowly when page filter has historical period parameter.
25668	Explorer - The performance of the search function on the EXPLORER is not good.
25670	Dashboard - The breakdown list loads slowly when user clicks the entity on the dashboard
25711	ITBA wiring lost after page save

Change Request (QCCR8B)	Description
25729	When trying to activate the Japanese demo CAP, the calculation process is blocked and cannot be completed.
25745	Dashboard: The breakdown view component does not list the right breakdown value in some cases.
25761	Dashboard - Improve performance for pie chart/bubble chart component.
25762	Dashboard - Cluster bar chart component is hanging.
25804	DCS(extract)-Azure: Cannot connect to Azure data source.
25820	[Postgresql] - Postgresql restore fail.
25813	Dashboard - Improve the performance when user drills down to breakdown on the dashboard.
25832	SM - DCS error on SM9.41 Oracle.
25855	SM - ASSIGNED_TO_ORG_DURABLE_KEY should link to entity AssignedToOrganization in context SM_IncidentManagement.
25861	DCS (extract) - ALM: The 'release' and 'release-type' do not support paging.
25866	Security - ITBA does not verify whether the user is authorized to access the target object.
25872	Dashboard - Search should not be case sensitive in the Dashboard and EXPLORER.
25873	Patch installation fails if some part of ITBA is running (ex. ETL is running).
25880	Apache Tomcat, which is embedded in SAP BOE, was upgraded from "7.0.32" to "7.0.59", and many vulnerabilities were fixed. For detailed information, see https://tomcat.apache.org/security-7.html Doc-BOE upgrader in SP01: upgrade package provided; add doc to describe the security issue for reference.
25897	(Supervisor) The error message should not be prompted.
25909	Dashboard - Poor performance when selecting metric breakdown on the breakdown view.
25930	DCS (extract) - CMS: DCS fails if the user do not have the right to access the authorized state.
25965	Dashboard - When user selects month to date on the Dashboard, it cannot be saved.
25982	CAC - CAC.log is not saved in the logs folder.
26021	Performance - Dashboard - it take more than 20 seconds to load data in FLN

Enhancements

ITBA 10.10 Patch 0001 enhancements are as follows:

Enhancements
Data Set tab in EXPLORER - Duplicate Records, even with DISTINCT function Solution: display all columns in the table with the ability to store the configuration of the selections and the order of the columns in the table.
Provide the ability to store the configuration of Column's selection and order in Data Set tab in EXPLORER.
BOE: Upgrade BOE to 4.1SP7 to upgrade BOE Apache Tomcat to version 7.0.40 and higher. For details, see https://softwaresupport.hp.com/km/KM02120397.

New Certifications

- SAP® BusinessObjects BI Platform 4.1SP7

Online Documentation

To check for recent updates or to verify that you are using the most recent edition of a document, go to:

Support Site (**https://softwaresupport.hp.com/group/softwaresupport/home**)

Note: If you have reached this library, you have already signed in with your HPE Passport credentials. You can also receive updated documentation if you subscribe to the appropriate product support service. Contact your HPE sales representative for details. See Document Change Notes within the document for a list of any revisions.

All Manuals Download

After downloading the *All Manuals Download* zip file, unzip the full set on your local directory. You can then search across the doc set using the Advanced Search capabilities in Adobe Acrobat.

Support

Visit the HP Software Support site at: https://softwaresupport.hp.com.

This website provides contact information and details about the products, services, and support that HP Software offers.

HP Software online support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support website to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and to sign in. Many also require a support contract. To register for an HP Passport ID, click **Register** on the HP Support site or click **Create an Account** on the HP Passport login page.

To find more information about access levels, go to:
https://softwaresupport.hp.com/web/softwaresupport/access-levels.

HP Software Solutions Now accesses the HPSW Solution and Integration Portal website. This site enables you to explore HP Product Solutions to meet your business needs, includes a full list of Integrations between HP Products, as well as a listing of ITIL Processes. The URL for this website is http://h20230.www2.hp.com/sc/solutions/index.jsp.

Support Matrices

For complete support and compatibility information, see the support matrix for the relevant product release. All support matrices and product manuals are available here on the HPE Software Support Online website:

https://softwaresupport.hp.com/group/softwaresupport/support-matrices

You can also download the HPE Support and Compatibility Matrix for this release from the HPE Self-solve documentation portal:

https://softwaresupport.hp.com/group/softwaresupport/