



Atlas Planning and Tracking Suite 3.1

A large, decorative graphic consisting of multiple overlapping, wavy blue lines that create a sense of motion and depth, positioned in the lower half of the page.

**Atlas Planning and
Tracking Suite**

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Components

This version of the Atlas Planning and Tracking Suite is comprised of the of following products/versions:

- | | |
|--------------------------------|--|
| Atlas 3.1 | Atlas is a collaborative, flexible, agile requirements and delivery platform. |
| Borland Connect 1.6 HF3 | A web application that allows you to synchronize assets from third party tools into Borland Hub (and thereby, into Atlas). |
| Borland Hub 15.0 HF3 | A software change and configuration management server that stores and versions your assets. |
| StarTeam Agile 2.3 HF1 | Allows you to manage your work using the agile methodology. |

What's New

The following section contains the major new features for this release.



Tip: Please refer to the individual product release notes for more information about new features provided since the last full release.

What's New in Atlas

3.1

This release of Atlas includes numerous performance improvements and fixes targeted at enhancing and stabilizing your experience with the Atlas platform.

What's New in Borland Connect

1.6

This section lists changes for Borland Connect 1.6.

Atlas Planning and Tracking Suite

Atlas, Borland Hub, Borland Connect and StarTeam Agile are now installed together as part of the new **Atlas Planning and Tracking Suite**.

What's New in Borland Hub

15.0

The following are the new features in this release.

All Components

Search Locale Support

Search is now supported for locales - English, Portuguese, Chinese, Japanese, French and German. The indexing process picks up the locale of the machine to decide what analyzer to use.

Datamart

The following are the new features for this release of Datamart.

Sample Web Reports Support for Oracle


The sample web reports introduced in the last release of Datamart now support Oracle.

MPX

The following are the new features for this release of the MPX components.

ActiveMQ MPX

This release introduces ActiveMQ MPX, based on *Apache ActiveMQ* technology, an updated messaging platform that can be used instead of StarTeamMPX (*Tibco SmartSockets*). The MPX and Cache Agent features have been updated with these supporting libraries which will be leveraged going forward to expand and improve upon the platform support of the Borland Hub and its related components. This new technology will be the default messaging platform.

 **Important:** We will continue to support the StarTeamMPX technology. However, server configurations can use one or the other, but not both, platforms. The *Installation Guide* and the *MPX Administration Guides* contain the full implementation details for this feature and what you may need to do. For more information regarding *Tibco SmartSockets* end of support, please refer to <https://support.tibco.com/docs/TIBCOEndofSupportInformation.pdf>.

StarTeam Command Line Tools

The following are the updates for this release of the StarTeam Command Line Tools.

Checkout

- Now supports the `-pattern` parameter. This allows a user to control the date keyword expansion format.
- Now supports the `-e` parameter. This will throw an exception if `-filter` includes `M`, `G`, or `U` and any of the identified file statuses match `Merge`, `Modified`, or `Unknown`. The thrown exception will prevent all other files from being checked out as well.

Detach-Label

If a folder path is specified in `-p`, in conjunction with `-all` or `-type`, then only the items of the appropriate types in that folder path will be detached. Items not in that folder path will be retained.

Label

The `label` command now supports updating an existing label.

List-Labels

Now takes optional `-d` parameter. If specified, then a list of deleted labels will be generated.

Select

- Now takes an `enhanced-links` parameter. If specified, it generates an enhanced links report, which provides trace visibility across all views in the project for which trace the queried items shares exist. The columns identify revision details of all attached traces to the queried item. The rows identify the attached queried items. The report can span multiple items.
- Now takes `attached-labels` parameter. This parameter produces a report combining all historical revisions of the selected item(s) with the labels attached to each of those revisions. The rows of this report match the label tab details in the client.
- Now takes optional `workspace` parameter. Acts as a constraint on file queries. If specified, it locates *not-in-view* folders and files from the file system (the view path mapped to working folders on disk) and includes them in the report.
- Now includes an `unlabeled-revisions` report that lists historical revisions of selected items that are unlabeled as of the last build.

Starteamserver.exe

-mb - This is a new optional parameter used when creating a new server configuration. Use the following values to set the type of message broker:

- 0 = None
- 1 = StarteamMPX
- 2 = ActiveMQ MPX

If this value is not specified, the new configuration is configured with ActiveMQ message broker.

What's New in StarTeam Agile

2.3

The following updates were made for this version:

Performance Improvements

Significant performance improvements have been made that will provide improved user interaction when navigating through all perspectives.

Story Types

Epic and *Theme* are newly supported Story Type values on the backlog.

Cumulative Flow diagrams

Cumulative Flow diagrams have been added to the Datamart sample reports for increased visibility over the progress of an Agile Release.

Installation

StarTeam Agile is now installed as part of the Atlas Unified Bundle, providing the option of immediate Requirement and Defect Info Stream integrations with Atlas and Borland Connect.

PostgreSQL Database

StarTeam Agile now uses PostgreSQL as the default database for the Borland Hub.

Fixes

The following section contains the fixes for this release.

Hot Fixes in Atlas

3.1

The following fixes were made for this release:

- Performance Improvements for Application Start-up.
- Performance Improvements for Activity perspective.
- Security improvements for unauthorised operations.
- Security improved to restrict download of resources to registered users only.
- Project role reported correctly in Home perspective.
- Newly created projects are correctly added to favourite projects.
- UDA max length implemented.
- Duplicate UDA names handled - they are now rejected and reported to the user.
- Improved performance for report generation.
- PDF file concepts now shown in line for all browsers.
- Performance improvement for Define perspective.
- Extended requirement sorting to include UDA values.
- All requirement properties are sortable in the correct order in requirement grid.
- Improved UI for disabled requirement type.
- Requirement attribute updates propagated to all UI components.
- Requirement editor retains edit after attachment is added.
- Improved relationships dialog ensures all relationships are visible.
- Sorting of attachments is enabled.
- Discussions correctly include mentioned users.
- Discussion replies are now included in report.
- Tracking Perspective rendered correctly when maximized or collapsed.
- Plan edits are retained if requirement is added.
- Plan items sort order is persisted.
- Search goto and quick-look handle deleted items.
- Case sensitivity extended to filters.
- Viewer role has been restricted from creating filters.

3.0

The following fixes were made for this release:

- Update UI to support special/international characters. For example: ä, ö, ü.
- UDA usage fixes.
- Tracking Gantt schedule rendering for view only users.
- User mentions in Discussion reworked.
- Ability to reset project permissions to initial state.

- Tree navigation and drag/drop improvements.
- Redesign of plan and plan review dialog.
- Security improvement of DOM injection protection.
- CSV import support for Unicode characters.
- New rich text editor.
- Performance improvements: UI and item loading.
- Performance improvements: Time Machine general usage.
- Performance improvements: List available related items.
- UDA creation and management updates.
- User management dialog updated.

Hot Fixes in Borland Connect

1.6 HF3

The following fixes were made for this release:

- Fix parsing issue on `SystemEmailFrequency` when upgrading `connect.xml`.
- Fix issue with constant login on StarTeam (when setup fails).
- Fix ability to edit **HubDefault** data source in UI.
- Fix to sync of hierarchical issue changes (do them in order).
- Fix to UTF8 `getBytes` (bad high order character translation).
- Fix VersionOne connector images.

1.6 HF2

The following fixes were made for this release:

One-Way Syncs	If a <i>synchronization</i> or <i>TypeMap</i> is one way, then <code>create new</code> and <code>delete</code> are treated as <code>false</code> in the source.
Synchronization Direction Tag	The <i>Direction</i> tag for a synchronization is over-riding the <i>Direction</i> tag at a <i>TypeMap</i> level. For a user upgrading from pre-1.6 release, this conversion is now fixed and there is no change of behavior. For an existing 1.6.x user who upgraded from pre-1.6, this doesn't correct the behavior, but you may note the settings had unexpected values in the prior release. You need to manually change the settings if you desire the pre-1.6 behavior.

1.6 HF1

The following fixes were made for this release:

- 24115** Delete a *Type* from a connection and associated relationships are not deleted.
- 24196** `HubDefault` datasource produces an error.
- 24300** The datasource in the sample XML is called `OT`. It should be renamed to something more relevant like `SVN`.
- 24295** Rally: The sample XML contains an empty `ProjectMap`.
- 24111** There's a missing value map for the blocked field of task items.

- 24110** The `Connect.xml` file in the rest interface should have been set to `false` for Rally and Team Foundation Server.
- 24133** Items created in reference views should be recognized when Borland Connect is looking at the *Root* view.
- 24134** There's a missing value map for the blocked field of task items.
- 24213** Subversion: Remove the required slash at the start of the name of the project in the `ProjectMap`.
- 24135** The default `Connect.xml` contains an empty project map for the VersionOne connector that breaks the whole configuration.
- 24138** VersionOne: In Borland Connect 1.5, the VersionOne connector terminates with `Can't find property named Usr_EpicStatus in type Story`.
- 24137** Modifications of value maps via the UI are not being saved in Borland Connect 1.5.
- 24136** Update default `Connect.xml` generated by the REST so that `deleteItems` is `false` for Team Foundation Server and Rally.
- 24226** Subversion: Update dependencies in the documentation.
- 24198** Team Foundation Server: Unable to list projects from the Team Foundation Server.
- 24089** VersionOne: With the default VersionOne connector setup in Borland Connect 1.5, items deleted from StarTeam are not being deleted in VersionOne.
- 24415** Rally: Type data wasn't initialized properly.
- 24107** The default `Connect.xml` contains an empty project map for the VersionOne connector which breaks the configuration.
- 24098** Modifications of value maps via the Borland Connect UI are not being saved in version 1.5.

Hot Fixes in Borland Hub

15.0 HF3

The following fixes/updates were made for this release:

Hub

- 68,031 - Fixed Custom Component creation issue when reserved word "name" is used.
- 68,026 - Fixed an issue when a Custom Component definition file is move to installed folder, even the Custom Component creation fails.
- 68018 - Fixed a issue where in server housekeeping threads block users from logging in.
- 68006 - Fixed a bug when a service is unable to run a domain user.
- 68096 - Fixed Import/Export Manager to support test and test run components.

SDK

- r10694 - Overload `ArtifactCacheManager.register()` with a new api to red configuration from an `/xml` file.
- 10696 - Create copies of enumerated values when assigning them to their respective enumerated properties.
- 10698 - `Content.getMD5()` calls out to `Content.toBytes()` to prevent an `Illegal State Exception`.
- 10702 - Address a deadlock in the linux smoke tests.
- 10704 - Provide new sdk api to return REST urls.

- 10706 - Fix a stack overflow compiling the sdk after switching to java 8.
- 10708 - Fix tests that break when run using linux.
- 10711 - Handle passwords that contain embedded "" in command line encrypted password files.
- 10716 - Fix a null pointer exception when matching non branching vcm views.
- 10717 - Prevent adding files to folders which are exclusively locked.
- 10721 - Fix the artifact cache to prevent live traces from showing deleted items out of the recycle bin.

15.0 HF2

The following fixes/updates were made for this release:

Server

New Components Borland Hub now has *Test* and *Test Run* components.

Installation Fixed installer bug for double-byte code page for Simplified Chinese and Japanese.

SDK

10664 A *Test* component is a *Tree Item* type.

10663 Federated Trace Server Queries should not throw an exception for non-admin users.

10660 JobRunner Filter Creation tear-down code should not throw an exception. This masks possible `run()` exceptions.

10659 `WebCacheTrace::getSource()/getTarget()` missing a test for `isInternalLink`, resulted in an internal error.

10657 Introduce two new SDK components, *Test* and *TestRun*.

10656 The `transfer-traces` command should copy all trace property values across servers.

10655 `TraceFinder` should not throw a Null Pointer Exception querying a server with no projects.

10653 Introduce a `connections-log` query command.

10652 `List-users` command should provide all relevant user property values.

10651 A non-deleted `WebCacheTrace` should show deleted end point view members.

10650 `Client.java` has a redundant but required list of command names.

10649 JobRunner creating disembodied traces was setting a negative, incorrect `vmid`.

10648 Optimize and narrow the `RE_PIN` over `MERGE` rule to specifically target `REBASE` cases only.

10647 Extend `File.OPERATION` to include `attach` and `detach` enums.

10646 Change the `WebCacheItem::copy` signature to specify a `webCacheFolder`, potentially from a different project or view.

10644 `Server.logon(user, password)` returns a user whose `isMemberOf(Administrators)` always returns false.

10642 Add a `sendMail` api to `WebCacheServer`.

10640 Prefer `RE_PIN` over `MERGE` for files where the target tip is a revision from source history, and the target has not branched.

10638 Support creating a tree item and moving another tree item to it while in a transaction.

10637 Introduce a `File.Operation` class comprising `Checkin` and `Checkout` enums for a custom trigger.

- 10634** Introduce `WebCacheItem.copy` which supports `TreeItem` deep copy.
- 10633** Introduce `public static void dropUnusedCachesAfter(int interval)` api on `ArtifactCacheManager`.
- 10630** Introduce a generic query `getTracedItems(WebCacheItemType, Boolean targetOnly)` on `WebCacheItem`.
- 10628** Investigate Traces disappearance in the `ArtifactCache` in the presence of a `RecycleBin` that's being closed too early.

15.0 HF1

The following fixes/updates were made for this release:

- 67721** Sharing a Tree Item from a Recycle Bin to the tip throws an `Item Not Found` exception.
- 67712** New configuration setting `FederatedTraceServer` in support of Federated Trace Server.
- 67864** Deleted Stories are still displayed in the search results in Atlas Search perspective.
- 67868** Error after upgrading Atlas configurations using Oracle.

Hot Fixes in StarTeam Agile

2.3 HF1

The following fixes were made for this release:

- Backlog Filter** Updated layout so filters at bottom of screen remain selectable.
- Tracking View**
 - Updated note to include number of *Unsize*d Stories in the Release.
 - Updated calculation of *Payload* to resolve inconsistency between *Release Progress* and *Release Burn-up*.
- Story Editor** Updated edit behavior so that Stories and their Tasks can be saved simultaneously by different users.
- Task Editor** Moved location of `Required Field` message so that it doesn't block further editor input.
- Backlog Breakdown** Updated Status icons so that a *Carried Over* story always shows as *Carried Over*.

Installation

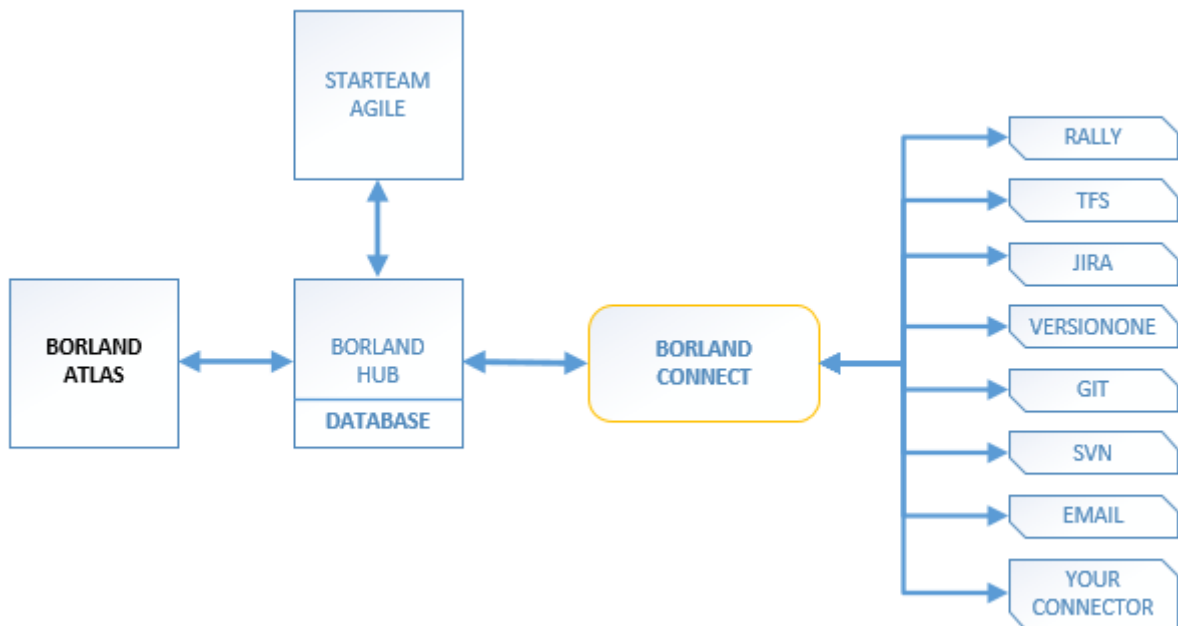
You are about to install the **Atlas Planning and Tracking Suite**. Before proceeding with installation, prepare the following items:

- A 64-bit quad core system with 16 GB RAM that meets the full set of system requirements.
- A database. If you do not have a database to use, a PostgreSQL database will be installed and configured by default. If you have one of the supported database types, you will need to continue to configure your database post installation.

A fully installed and configured **Atlas Planning And Tracking Suite** contains the following applications and components:

Atlas	A collaborative, flexible, agile requirements and delivery platform. It will be installed and run in a Tomcat server.
Borland Hub	A software change and configuration management server that stores the assets.
Database	Borland Hub connects to and supports many databases. If you do not have one installed, PostgreSQL will be installed.
Borland Connect	A web application that allows you to synchronize assets from third party tools into Borland Hub (and thereby, into Atlas). For example, you could connect Borland Hub to Rally via Borland Connect and have all stories from Rally appear in Atlas.
StarTeam Agile	A web application that will be installed and run in a Tomcat server. StarTeam Agile allows you to manage work using the agile methodology. If you use another tool to manage agile data, you can use Borland Connect to synchronize that data into Atlas.
Tomcat Web Server	Two Tomcat web servers are installed. One runs Atlas, StarTeam Agile, and Borland Connect and the other runs the Search component.

The following depicts how the components are connected:



Installing the Atlas Planning and Tracking Suite

The following steps describe how to install the **Atlas Planning and Tracking Suite**. The suite includes Atlas, Borland Connect, StarTeam Agile, and Borland Hub. These applications will all be installed together.



Tip: If you want to install the Borland Hub on a separate server, you should plan to do that first. Go to that server, run the installer and select the **Borland Hub** option on the **Choose Install Set** screen. Complete that installation. Then, on the server for the web applications, choose the **Atlas Planning and Tracking Suite** option, during the installation, you will be asked to point to an existing Borland Hub, the one that you just set up.



Important: Unless you are upgrading from Atlas Planning and Tracking Suite 2.0, if you have any other version of Atlas, Borland Connect, StarTeam Agile, or the Borland Hub installed, you must uninstall them before proceeding. If you are a current Borland Connect customer and you want to maintain your mappings, you must retain a copy of `Connect.xml` before uninstalling. After installation, you can check your original `Connect.xml` file back into the `StarFlow Extensions/Connect` folder.

1. Run the installer.
2. Read the introduction and click **Next** on the **Introduction** screen.
3. Read the license agreement, select the option to accept the license agreement and click **Next**. The **Choose Install Set** screen appears. This is where you will be able to install either all of the applications or just install a new Borland Hub.
4. To install all of the web applications, choose the **Atlas Planning And Tracking Suite** option to install Atlas, Borland Connect, StarTeam Agile, and optionally, Borland Hub. Click **Next**.
 - a) Select where you want the files installed on the **Choose Install Folder** screen. Do not click **Next** until you read the following:



Important: The next part of the installation is where you choose the location. If you are upgrading, you need to make sure that you select the existing directory where the previous version was installed. If you used the default, you don't need to do anything in the next step because it is selected for you. However, if you chose a different location, you must browse to that folder and select it for the upgrade.

If you are upgrading, you will receive an **Upgrade Required** message. Click **OK** and walk through the upgrade screens. Your upgrade will complete, and you are finished with the installation!

If you are not upgrading, click **Next**. The **Borland Hub Connection** screen appears.

To connect to an existing Borland Hub:

1. Select **Connect to existing Borland Hub**.
2. Click **Next**. The **Borland Hub Parameters** screen appears.
3. Enter the Borland Hub connection information:

Borland Hub Host Name or IP Address

The IP address of an existing Borland Hub installation.



Important: When specifying the address and port for Borland Hub in either the installation wizard or directly in the `ALMConfiguration.xml` file, you must use the actual IP address (or machine name) of the Borland Hub. Do not use "localhost" even when Borland Connect and the Borland Hub are running on the same machine.

Configuration Name

The configuration name of an existing Borland Hub installation.

Configuration GUID	The configuration GUID of an existing Borland Hub installation.
Configuration Port	The configuration port of an existing Borland Hub installation.
User Name	The user name of an existing Borland Hub installation.
Password	The user's password of an existing Borland Hub installation.

4. Click **Next**.

To install a new Borland Hub:

1. Select **Install new Borland Hub**.
 2. Click **Next**. The **New Borland Hub** screen opens.
 3. Enter a **Configuration Name** for the new Borland Hub.
 4. If you already have a license key, select the **I have a license key** option.
 5. Enter the license details.
 6. Click **Next**.
5. To install the Borland Hub only, choose the **Borland Hub** option on the **Choose Install Set** screen.



Tip: After installation, if something goes wrong or a file is damaged or corrupted, you can attempt to repair the install by running this installer again

If you are upgrading, you need to:

1. Stop all Borland Hub server configurations using the Borland Hub **Admin Tool**.
2. Close the Borland Hub **Admin Tool**.
3. On the installer screen, click **Next**.
4. Click **Install**. The installer will install all upgrade files.

You are finished upgrading the Borland Hub!

If you are not upgrading, click **Next**.

1. Select the **Message Broker** option to install the Message Broker.
2. Select the **PostgreSQL** option to install a PostgreSQL database.
3. Click **Next**.
4. If you are installing a message broker, the Message Broker Options screen opens. Enter the port number on which the broker will listen.
5. If you are installing PostgreSQL, the **PostgreSQL Configuration** screen opens. Enter the password for the database superuser. Note that the username is `postgres`.
6. Click **Next**.



The **Choose Shortcut Folder** screen opens.

6. Select the shortcut folders and click **Next**. The Pre-Installation Summary screen opens.
7. Review the information and click **Install**.

Additional Configuration for Connecting to Existing Borland Hub

If you chose the option to **Connect to existing Borland Hub** in the Atlas installation wizard, the following configuration changes are required before using Borland Connect with Atlas:

1. Open the Borland Connect UI.
2. Navigate to the `HubDefault` data source.
3. Replace the default credentials with the correct account details for the Borland Connect user (this should be a server administrator account) in the **User Name** and **Password** fields.

4. In the **URL** field, replace the default StarTeam URL with the correct URL value.
5. Save the data source.
6. Click  (**Settings**) on the main Borland Connect UI.
 - a) Verify that the **Synchronization Frequency** field contains a valid integer.
 - b) Verify that the **Maximum Number of Threads** field contains a valid integer.
 - c) Click the **Error Notification** tab.
 - d) In the **Email Settings** group, if there is a value in the **Frequency** field, verify that it contains a valid integer.
 - e) Save the settings.
7. Go to the **Connections** page. For each connection, click  (**Edit**). Look in the **Error Notification** group. If there is a value in the **Frequency** field, verify that it contains a valid integer.
8. Save the connection.
9. Restart the server.

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