



# **Borland Connect 1.0 Update 1**

**Release Notes**

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2013-11-12

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# Borland Connect

These release notes contain product information that might not appear in other documentation. Read them in their entirety before you install the product.



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Borland Connect is a tool used to synchronize item and relationship data between the StarTeam Server and other repositories or clients. Once data is synchronized into the StarTeam Server, all of the change management capabilities of StarTeam are available on the data, including versioning, branching, tracing, labeling and reporting.

Borland Connect provides sample 3rd party connectors via the installed `samples` folder and available for download from the Borland Community (<http://community.borland.com>).

If a desired repository is not currently available as a sample connector, Borland Connect also provides a Java API which enables customers to easily define their own connector for Borland Connect to use, creating a direct match for the data repositories they wish to integrate with StarTeam.

For more information on how to configure Borland Connect and write a custom connector, refer to the *Installation Instructions* and to the Borland Community for the FAQ about *How To Build a Connector presentation*.

## More Information

To find more sample connectors and the How To and FAQ, please visit our community at, <http://community.microfocus.com/borland/>.

# System Requirements

This section contains system requirements that you need in order to use Borland Connect.

## Software

- StarTeam Server 14.0 Update 1. Refer to the *StarTeam Server Release Notes*.

## Operating Systems

- Microsoft Windows Server 2012.
- Microsoft Windows Server 2008 (32- and 64-bit).

## Hardware

<b>Minimum</b>	32-bit, quad-core systems with 4-8GB of memory.
<b>Recommended</b>	64-bit, quad-core systems with 8-16GB of memory.

# What's New

This sections contains all of the new features for this release of the product.

## SCM API

Support has been added to Borland Connect to support the synchronization of files and folders from a 3rd party SCM tool. Samples have been provided in the installation folder for a Subversion connector and a new API has been added to support the creation of a custom SCM connector. See the Borland Connect documentation and community site for further details.

# Best Practices

This sections contains best practices for using Borland Connect.

## SCM Connector

The most common use case for using an SCM connector is to manage your Release and Integration branches in StarTeam while the development team(s) use a different SCM tool for their sandbox branches. This model allows each development team to work with their sandbox tooling of choice while still maintaining an enterprise class single source for Release and Change Management in StarTeam. To setup the SCM Connector:

1. Choose the appropriate SCM connector and follow the `Readme` and `Connect.xml.sample` files to set it up.
2. Navigate to the Release or Integration view in the StarTeam Cross-Platform Client and use the **Copy URL to Clipboard** option on the folder that you want to synchronize. The URL should be placed into the `<sourceRootPath>` of the `Connect.xml` project map, corresponding to the correct `Source Project name`.
3. Perform a complete file checkout from the StarTeam Release view. These will be the files used to establish the initial branch in the other SCM tool.
4. Open the other SCM tool and create a new branch (Integration branch) adding the complete hierarchy of folders and files checked out from the StarTeam Release view.
5. Copy the URL (or unique identifier) to the root folder of the newly created Integration branch in the other SCM tool. This URL should be placed into the `<targetRootPath>` of the `Connect.xml` project map, corresponding to the correct target Project name.
6. Start Borland Connect with the SCM settings completed.
7. Create child branches from the Integration branch in the other SCM tool for the development team to work in. These can be shared branches, individual branches, feature braches or defect braches. The team is free to work in these branches in any way that matches your best practices.
8. When code changes are completed in the sandbox and merged back into the Integration branch in the other SCM tool, Borland Connect will automatically synchronize the changes into the Release view of StarTeam to be tracked and managed along with other contributing team changes. If any changes are made in the Release view directly in the StarTeam UI or by other contributing teams, then Borland Connect will synchronize those changes back into the Integration view to be merged into the team sand boxes.

# Installation

Borland Connect provides an installer for both 32-bit and 64-bit Microsoft Windows operating systems. After completing the installation wizard, Borland Connect will be installed and ready to configure (see *Configuring Borland Connect*).

The installer will add a **Start Borland Connect** option to the Microsoft Windows **Start** menu and provide a batch file for creating a Microsoft Windows Service (see *Running as a Service*).

Either method can be used to run Borland Connect after setting the configuration options.

## Configuring Borland Connect

The following contains configuration information for Borland Connect:

After the installation of Borland Connect, there will be two sample files in the root install direction: `Connect.xml.sample` and `local.properties.sample`.

To configure Borland Connect:

1. Open `local.properties.sample` and specify the following options:

- |                       |   |
|-----------------------|---|
| <b>url</b>            | Optional value specifying the StarTeam url to a <code>Connect.xml</code> file checked into the StarFlow Extensions project. By default, the <code>Connect.xml</code> file in the root install directory will be used when the url is not specified. |
| <b>user_directory</b> | Local machine path where Borland Connect will write log and configuration files. The user logged into the machine and running Borland Connect must have the appropriate rights to write files in this location.                                     |
| <b>Debug</b>          | Optional value to specify the level of logging ( <code>HIGH</code> , <code>MEDIUM</code> or <code>LOW</code> ). By default, Borland Connect will log warning and errors only.   |

Save these settings in a file name `local.properties` in the root install directory.

2. Open the `Connect.xml.sample` file and update the *DataSource* and *Synchronization* information to specify the StarTeam connection information and connector you wish to use with Borland Connect. You can either use one of the sample connectors provided on the Borland community or build a custom connector. For instructions on how to build a custom connector, see *How to Build a Connector* on the Borland Community. After you've updated the *DataSource* and *Synchronization* information to match the desired configuration, save the file as `Connect.xml` in the root install directory.
3. Identify the required connector library files for the *DataSource* specified in `Connect.xml` and place the required files into the root install directory. Each of the sample connectors comes with a readme which specifies the required libraries for running the connector in Borland Connect. At a minimum, the required libraries must contain the connector class specified in the `Connect.xml` as well as any other library dependencies for running the connector.
4. Once the above configuration files have been saved into the root install directory, run `start-connect.bat` to start Borland Connect.

## Running as a Service

Use the following procedures to run Borland Connect as a service. Note that if you have already followed the procedures in *Configuring Borland Connect*, you can skip the first three steps.



**Note:** When running as a service be sure that the service account has the rights to create files in the directory specified by the `user_directory` parameter in the `local.properties` file.

1. Open `local.properties.sample` and specify the following options:

- url** Optional value specifying the StarTeam url to a `Connect.xml` file checked into the StarFlow Extensions project. By default, the `Connect.xml` file in the root install directory will be used when the url is not specified.
- user\_directory** Local machine path where Borland Connect will write log and configuration files. The user logged into the machine and running Borland Connect must have the appropriate rights to write files in this location.
- Debug** Optional value to specify the level of logging (`HIGH`, `MEDIUM` or `LOW`). By default, Borland Connect will log warning and errors only.

Save these settings in a file name `local.properties` in the root install directory.

2. Open the `Connect.xml.sample` file and update the *DataSource* and *Synchronization* information to specify the StarTeam connection information and connector you wish to use with Borland Connect. You can either use one of the sample connectors provided on the Borland community or build a custom connector. For instructions on how to build a custom connector, see *How to Build a Connector* on the Borland Community. After you've updated the *DataSource* and *Synchronization* information to match the desired configuration, save the file as `Connect.xml` in the root install directory.
3. Identify the required connector library files for the *DataSource* specified in `Connect.xml` and place the required files into the root install directory. Each of the sample connectors comes with a readme which specifies the required libraries for running the connector in Borland Connect. At a minimum, the required libraries must contain the connector class specified in the `Connect.xml` as well as any other library dependencies for running the connector.
4. Execute the `BorlandConnectService.bat` file in the root installation directory. This will create the service named `BorlandConnect` using the `local.properties` file in that same directory. The service startup type is set to *Automatic* so that it starts on each reboot.
5. To start the service, you must open the **Windows Services** dialog and execute **Start** from the context menu on the service.



**Note:** You can remove the service by executing the `uninstall-service.bat` file in the installation directory.

# Known Issues

Please refer to the `ReadMe` file included with each sample connector for information on any known issues or limitations with the provided connector functionality. Additionally, review the following:

- Borland Connect 1.0 provides synchronization of StarTeam items to and from the root view of Projects specified in the *ProjectMap* section of the `Connect.xml` file. Items in child Views of the Project will not be synchronized.
- When a Message Broker is available, Borland Connect 1.0 will use MPX to communicate with the StarTeam Server. Using MPX will provide optimal performance with Borland Connect 1.0 and is strongly recommended.
- The `linkMap` property value specified in the configuration file should not be manually edited by users. Adding or changing the `linkMap` value of an item may result in duplicate synchronized items from Borland Connect. When possible, the `linkMap` value should be hidden from users to avoid any unwanted changes in value.

# Updates and SupportLine

Our Web site gives up-to-date details of contact numbers and addresses.

## Contacting Micro Focus

Micro Focus is committed to providing world-class technical support and consulting services. Micro Focus provides worldwide support, delivering timely, reliable service to ensure every customer's business success.

All customers who are under a maintenance and support contract, as well as prospective customers who are evaluating products are eligible for customer support. Our highly trained staff respond to your requests as quickly and professionally as possible.

Visit <http://supportline.microfocus.com/assistedservices.asp> to communicate directly with Micro Focus SupportLine to resolve your issues or email [supportline@microfocus.com](mailto:supportline@microfocus.com).

Visit Micro Focus SupportLine at <http://supportline.microfocus.com> for up-to-date support news and access to other support information. First time users may be required to register to the site.

## Information Needed by Micro Focus SupportLine

When contacting Micro Focus SupportLine, please include the following information if possible. The more information you can give, the better Micro Focus SupportLine can help you.

- The name and version number of all products that you think might be causing an issue.
- Your computer make and model.
- System information such as operating system name and version, processors, and memory details.
- Any detailed description of the issue, including steps to reproduce the issue.
- Exact wording of any error messages involved.
- Your serial number.

To find out these numbers, look .

## Additional Information Needed by Micro Focus SupportLine

If reporting a protection violation you might be asked to provide a dump ( .dmp) file. To produce a dump file you use the Unexpected Error dialog box that is displayed when a protection violation occurs. Unless requested by Micro Focus SupportLine, leave the dump setting as `NORMAL` (recommended), click **Dump**, then specify a location and name for the dump file. Once the dump file has been written you can email it to Micro Focus SupportLine

You may also be asked to provide a log file created by the Consolidated Tracing Facility (CTF) - a tracing infrastructure that enables you to quickly and easily produce diagnostic information detailing the operation of a number of Micro Focus software components.

## Creating Debug Files

If you encounter an error when compiling a program that requires you to contact Micro Focus technical support, your support representative might request that you provide additional debug files (as well as source and data files) to help us determine the cause of the problem. If so, they will advise you how to create them.