



# **Upgrading BRU Server 1.2.0 to BRU Server 2.0**

This guide will provide you with the steps to upgrade  
BRU Server version 1.2.0 to BRU Server version 2.0.

Rev: 041310.01

The following instructions provide the complete steps for upgrading from BRU Server version 1.2.0 on Linux and Mac OS X systems. The upgrade process requires the BRU Server 2.0 license to be on-hand since the 1.2.0 license for BRU Server is not compatible with BRU Server version 2.0.

An additional note concerning the upgrade process is that after the BRU Server Server is upgraded from 1.2.0 to 2.0, all client systems must be upgraded to BRU Server 2.0 as well. This is because the authentication method of the BRU Server Agent version 1.2.0 is not compatible with the BRU Server Server 2.0 version.



**\*\*\*\*\* IMPORTANT \*\*\*\*\***



Before downloading and installing BRU Server 2.0, please verify these key points before beginning the upgrade process:

- If you are using BRU Server 1.2.0 on Mac OS X 10.5 or prior and need to upgrade to Mac OS X Snow Leopard (10.6) while upgrading BRU Server to version 2.0, please be advised this is not possible for end-users. If you require an upgrade using this specific path and have no other options but to perform this type of upgrade, please contact TOLIS Group Technical Support **PRIOR** to performing any upgrade operations to learn about any available options. Moving ahead with this type of upgrade will render your 1.2.0 database files unusable by BRU Server 2.0.
- You have verified your upgrade abilities with BRU Sales. If not, contact BRU Sales before going any further!
- You have already obtained your BRU Server 2.0 license from BRU Sales. The BRU Server 1.2.0 license will not work with BRU Server 2.0.
- You are ready to upgrade your BRU Server Server and **ALL** BRU Server Agent systems. The 1.2.0 version of the BRU Server Agent, BRU Server Console or BRU Server Server cannot be used in conjunction with BRU Server 2.0. For example: Upgrading your BRU Server Agents to version 2.0 will render them unusable to the BRU Server Server 1.2.0 installation. All components must be version 2.0 or higher.
- You understand that you should perform a backup of your BRU Server 1.2.0 environment prior to performing the upgrade operation in case you need to restore your old 1.2.0 environment for any reason. Information on performing a backup of your BRU Server Environment can be found in Appendix C of the BRU Server Admin Guide.

## Upgrading BRU Server Server

**Please read all of these instructions before actually performing them** so that you understand what to expect when the upgrade process begins. If you have any questions, please contact TOLIS Group Technical Support prior to starting the upgrade process.

If you encounter errors or problems that are not documented in this guide, stop where the error occurs and contact TOLIS Group Technical Support to prevent any accidental data loss.

1. Before proceeding with the upgrade process, please perform a backup of the BRU Server 1.2.0 environment. There are a number of ways that this can be done:
  - Mac OS X & Linux: Using Appendix C in the BRU Server Admin Guide (both the 1.2.0 and 2.0 admin guides have this documented in Appendix C).
  - Mac OS X: Install the Agent on the BRU Server Server system and perform a backup of the BRU Server applications.

2. Stop the BRU Server Server and Agent daemons.

– Linux: Run these commands:

```
sudo /usr/local/bru-server/server --kill  
sudo /usr/local/bru-server/agent --kill
```

– Mac OS X: Using the BRU Server Config Tool and the BRU Server Agent Config Tool, click the “Stop” button. Once the daemon is stopped, close the BRU Server Config Tool.



After stopping the BRU Server daemons, do not move, delete or rename the 1.2.0 information from the BRU Server Server. If the 1.2.0 data is not in the proper location the application cannot be upgraded and thus a completely clean BRU Server 2.0 installation will commence resulting in the requirement to uninstall BRU Server 2.0 and start the upgrade process from the beginning.

3. Download and extract the BRU Server 2.0 components needed for the BRU Server Server system. For customers that have the Server, Agent and Console on the same system it is suggested that you download the complete package.
4. Extract the TAR file(s) that were downloaded in step 3.
5. The BRU Server upgrades for each of the components must be installed in the following order:
  - BRU Server Server
  - BRU Server Agent
  - BRU Server Console



Applying the upgrade in a different order than indicated above will cause the upgrade to be done incorrectly, resulting in BRU Server 2.0 having to be completely removed

from the system and then the upgrade process to be started again from the beginning. If this has already been done, please see TOLIS Group KB #226 for further information to remove BRU Server 2.0 and start over.

To start the upgrade process, with your 1.2.0 applications in their original locations, open the BRU Server Config application for BRU Server 2.0. This application can be run from any location on your system as long as it has been removed from the ZIP or TAR archive.

Linux Users: You will need to start the BRU Server Config application using the 'sudo' command in a terminal window.

6. At this point, the upgrade process for the BRU Server Server should now be complete as it only takes a few minutes to convert the BRU Server 1.2.0 database files for version 2.0. Click on the "License Info" tab within the BRU Server Config application and enter your BRU Server 2.0 license information by clicking the "Add License" button. If you do not have your BRU Server 2.0 license information, stop here and contact BRU Sales.
7. Click on the "Server Status" tab and make sure that the BRU Server Server daemon is set to start at system boot. To ensure that the new method of starting the server daemon is used, un-check and re-check the box to force the update.
8. On the "Server Status" tab, make sure that server daemon is running. If it not, click the "Start" button.

The BRU Server Server upgrade is now complete. You may now close the BRU Server Configuration Tool for BRU Server 2.0. At this point, you may now move on to step 3 in the BRU Server Agent upgrade process.



Do Not Delete the BRU Server 1.2.0 Server Config Tool at this time! The BRU Server Agent and BRU Server Console must now be upgraded before anything is deleted. The 1.2.0 BRU Server Console should not be used to login to any BRU Server Server system that is running version 2.0.

## BRU Server Agent Upgrade

**Please read all of these instructions before actually performing them** so that you understand what to expect when the upgrade process begins. If you have any questions, please contact TOLIS Group Technical Support prior to starting the upgrade process.



Before starting the upgrade of the BRU Server Agent on the same system where BRU Server Server is installed, please make sure that you have successfully completed the BRU Server Server upgrade first. Performing the BRU Server Agent upgrade before the BRU Server Server upgrade is not recommended.

Upgrading the BRU Server Agent is a relatively straight forward process and can be done quickly. If you have questions please contact TOLIS Group Technical Support prior to the start of your upgrade so that your questions can be answered prior to making any changes to your system.

1. Stop the BRU Server Agent daemon.
  - Mac OS X Users: Use the BRU Server Agent Config Tool.
  - Linux Users: Run the following command in a terminal:  

```
sudo /usr/local/bru-server/agent --kill
```
2. Download and extract the appropriate BRU Server Agent for the system on which the BRU Server 1.2.0 Agent is currently running that you are upgrading.
3. Open the BRU Server Agent Config application for BRU Server 2.0. When prompted, you will need to enter the Administrative password for the system, not the BRU Server 'admin' user password.

For Linux users, you will need to start the BRU Server Agent Config as Root via the 'sudo' command in a terminal.

The BRU Server Agent 2.0 application may be run from any location on your Linux/Mac OS X system in the same way that the BRU Server Config application for BRU Server 2.0 application may be run.

4. The BRU Server Agent will now be upgraded to the 2.0 version. Once complete, make sure that the correct startup information is in place for the BRU Server Agent 2.0 by removing the check box for the “Starts on Boot” option and then checking the box again. This will removed the 1.2.0 Agent startup information and update the boot command for BRU Server Agent 2.0.



Failure to perform this step may result in the use of the old 1.2.0 Agent and backups performed against this Agent will fail as a result.

5. The BRU Server Agent must now the re-authenticated to the BRU Server Server that is running BRU Server version 2.0. To do this, in the Agent Control and Configuration

window, click the “+” symbol in the bottom left corner of the Authorized Servers list.

Enter the IP address or Fully Qualified Domain Name of the BRU Server system and the BRU Server 'admin' user password, then click “Save.”



Note: The “Add user account” option should only be enabled if you, as the BRU Server Software Administrator, choose to allow ANY user on the machine to perform their own backups and restores. If you do not want to allow users to perform their own backup and restore operations this feature should be disabled (it can be added in the future if needed). For more information on this feature, please see the BRU Server Admin Guide.

6. Make sure the Agent is running by clicking the “Start” button.

At this point, the BRU Server Agent upgrade is complete. You may now move on to the BRU Server Console Upgrade section.

## BRU Server Console Upgrade

**Please read all of these instructions before actually performing them** so that you understand what to expect when the upgrade process begins. If you have any questions, please contact TOLIS Group Technical Support prior to starting the upgrade process.

The BRU Server Console is the management interface for all of your BRU Server tasks. This is the primary application used when defining backup jobs, performing backups or restore operations or creating schedules, among other things.

The BRU Server Console may be installed on any system for which a version is available and there are no license restrictions that limit the number of machines you may install the BRU Server Console onto. It does not have to be installed on the BRU Server Server system, nor does it require that it only be run from the BRU Server Server system.



Before starting the upgrade of the BRU Server Console on the same system where BRU Server Server is installed, please make sure that you have successfully completed the BRU Server Server upgrade and the BRU Server Agent upgrade first. Performing the BRU Server Console upgrade before the BRU Server Server upgrade is not recommended.

1. Close any open BRU Server Console applications.
2. Download the BRU Server Console for the system that you intend to use it on the most.
3. Extract the BRU Server Console from the ZIP or TAR archive.
4. Upon executing the BRU Server Console, you will be prompted for the System Administrator's password. This is not the password of the BRU Server 'admin' user, but the actual system administrative password used to install other applications or perform other administrative tasks.

Linux Users: You will need to run the BRU Server Console executable file with the 'sudo' command in a terminal. After the installation is complete, any user on the Linux system may execute the BRU Server Console binary.

5. Once the upgrade is complete, you will be prompted to login to the BRU Server Server. At this point you should login to the BRU Server system as the 'admin' user to make sure that all of the 1.2.0 information has successfully been transferred over to the new BRU Server 2.0 installation.

If you have any trouble, or if the BRU Server 1.2.0 information is not seen in the BRU Server Console 2.0 when logging in as the 'admin' user, please contact TOLIS Group Technical Support for further assistance.

At this point the upgrade process for the BRU Server Console is complete. Don't forget that all BRU Server Agent systems that are running version 1.2.0 must be upgraded to version 2.0 and re-authenticated to the BRU Server Server 2.0 system before backups will run.

## Common Problems and Resolutions

**Q:** I get a “Login Failed” or “Job Save Failure” when trying to save a schedule, backup job, make changes to the BRU Server Console Preferences. What do I do?

**A:** Close the BRU Server Console, then run the following commands in a terminal window:

```
sudo rm -f /usr/bin/bru-server.cmd
sudo rm -f /usr/bin/bru-server.console
```

Launch the BRU Server Console and try again. This will forcefully remove the old BRU Server Console executable file and when the Console is re-launched the updated executable will be saved.

**Q:** I've performed the upgrade, but I don't see all or part of my 1.2.0 installation information.

**A:** Please contact TOLIS Group Technical Support and make sure you haven't upgrade 1.2.0 to 2.0 as well as moving to Snow Leopard. See the “Important” notice at the beginning of this guide.

**Q:** The BRU Server Server daemon will not start. What should I do?

**A:** First, open a terminal window and run the following command:

```
sudo /usr/local/bru-server/server --foreground
```

With the information displayed, please contact TOLIS Group Technical Support to determine the cause of failure.

**Q:** The BRU Server Agent does not start when I reboot the system. Why not?

**A:** This occurs when step 4 of the BRU Server Agent Upgrade process was not fully performed. Go back to step 4 and perform the steps as indicated. If this this does not resolve the problem, please contact TOLIS Group Technical Support.

**Q:** The BRU Server Server does not start when I reboot the system. Why not?

**A:** This occurs when step 7 of the BRU Server Server Upgrade process was not fully performed. Go back to step 7 and perform the steps as indicated. If this does not resolve the problem, see the question above concerning the Server daemon not starting and contact TOLIS Group Technical Support with the information requested.



## Contact Information

### **BRU Sales**

Hours: Monday – Friday 8AM – 5PM MST (GMT -0700)

TEL: +1-480-505-0488

FAX: +1-480-505-0492

Email: [brusales@tolisgroup.com](mailto:brusales@tolisgroup.com)

WWW: <http://sales.tolisgroup.com>

### **TOLIS Group Technical Support**

Hours: Monday – Friday 8AM-5PM MST (GMT -0700)

TEL: +1-480-505-1814

FAX: +1-480-505-0492

WWW: <http://support.tolisgroup.com>

Technical support is only available to customers with current Technical Support Agreements. If you do not have a current Technical Support Agreement, please contact BRU Sales for information on obtaining or renewing your Technical Support Agreement.

Copyright © 2004 – 2010 TOLIS Group, Inc. All rights reserved. The BRU “b” logo, BRU Server, BRU Server Agent, and BRU Server Console are trademarks of TOLIS Group, Inc. All other names may be trademarks or registered trademarks of their prospective owners. The BRU Server software is released under the End User License Agreement (EULA) provided in the BRU Server backup software documentation. Any unauthorized copying, distribution or disclosure of information is a violation of copyright laws. No reproduction in whole or part of this document may be made without express written consent of TOLIS Group, Inc. Published in The United States of America.