

PROTEXPRESS 1.0

A Guide for Creating Install/Upgrade Packages



Center for Biomedical Informatics
and Information Technology

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About This Guide

This guide details the steps to be performed to create a new install/upgrade distribution package.

Purpose & Overview

This purpose of this guide is to list the steps required to create a new install/upgrade package for protExpress. The distributions are created based off a tag name in Subversion.

Chapter 1 How to use the ANT Script

Script Location

This is an ANT script, located in SVN at:

https://gforge.nci.nih.gov/svnroot/gpsxar/trunk/software/create_distribution.

Download the script to a local folder. This folder will be referred to as <DOWNLOAD_LOCATION>.

Steps

Once the script is successfully downloaded, navigate to the <DOWNLOAD_LOCATION>.

1. Open the file named “**build.properties**” for editing:
 - i. svn.project.url – Should point to the SVN location for protExpress.
 - ii. svn.project.tag – This should be a valid tag name in SVN. If this value is left blank (value not specified), then the distribution package is created off the **trunk** in SVN.
 - iii. svn.project.version – protExpress version. This value is appended to the output distribution package names.
 - iv. dist.filename – The value specified is a part of the output distribution package names.
2. Modify the properties, as appropriate. Save and close the file.
3. Open a new command window. Navigate to <DOWNLOAD_LOCATION>
4. Execute the ant script’s default goal (**distribution:create**) by typing the following statement at the command prompt, and executing it.

ant

5. The script does the following:
 - i. Download the files from the specified tag name (or from the trunk, if the project tag name is not specified).
 - ii. Invoke the BDA team developed ant script to create the distribution packages.
 - iii. Copy the BDA script generated packages to <DOWNLOAD_LOCATION>/output/dist folder. This folder contains 4 files:
 1. Installer package(s) – Two copies of the installer, with the following filenames:

Note: The two copies are essentially the same, only the name is different.

 - a. <dist.filename>_Install_<svn.project.version>.zip, and

- b. <dist.filename>_Install_<svn.project.version>_<svn.project.tag>.zip
- c. Example: **protExpress_Install_1.0.zip** and **protExpress_Install_1.0_PROTEXPRESS_1_0_GA.zip**.

Note: Both the above mentioned files are the same, with different names.

2. Upgrade package(s) – Two copies of the upgrade package, with the following filenames:

- a. <dist.filename>_Upgrade_<svn.project.version>.zip, and
- b. <dist.filename>_Upgrade_<svn.project.version>_<svn.project.tag>.zip
- c. Example: **protExpress_Upgrade_1.0.zip** and **protExpress_Upgrade_1.0_PROTEXPRESS_1_0_GA.zip**

Note: Both the above mentioned files are the same, with different names.