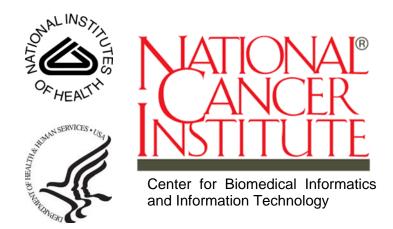
PROTEXPRESS 1.0 DATA PORTAL

Local Installation Guide



This is a U.S. Government work.

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protExpress Developmen	nt and Management T	Teams		
Development	Quality Assurance	Documentation	Project and Product Management	
Krishna Kanchinadam²	Tom Boal ⁵	Carolyn Kelley Klinger ⁴	Carl Schaefer ¹	
Scott Miller ²		Krishna Kanchinadam²	Anand Basu ¹	
Steve Matyas ²		Mahidhar Narra ⁶	Xiaopeng Bian ¹	
			Bill Mason ²	
			Brent Gendleman ²	
Systems & Application Support				
Bob Wysong ³	Andrea Johnson ³	Ralph Rutherford ³	Sriram Kalyansundaram³	
Nimish Shah ³				
National Cancer Institute Center for Biomedical Informatics and Information Technology (NCI CBIIT)		^{2.} 5AM Solutions Inc.	3. Terrapin Systems	
4. Lockheed Martin	^{5.} NARTech	^{6.} Stelligent		

Contacts and Support	
NCICB Application Support	http://ncicb.nci.nih.gov/NCICB/support
	Telephone: 301-451-4384
	Toll free: 888-478-4423

Chapter 1 Introduction

This *protExpress* 1.0 *Installation Guide* provides you with the instructions to install and configure a fresh protExpress 1.0 application and the grid service. The protExpress installation installs and configures an Apache Tomcat instance, the web application and the grid service, and creates a protExpress-specific schema on a pre-existing database on a pre-installed PostgreSql 8.3.x database server. An upgrade of protExpress reinstalls the web application and grid service. If the grid service was not installed as part of installation, it can be installed during an upgrade.

Instructions are given in this document for both Linux and Windows operating systems.

NOTE



Published protExpress development documentation can be found on the protExpress page of the NCICB web site: http://protexpress.nci.nih.gov/

Overview or protExpress Installation

The process for installing protExpress includes the following tasks described in this document:

- 1. Downloading and installing required software
- 2. Setting environment variables
- 3. Downloading protExpress 1.0 distribution files
- 4. Installing protExpress:
 - a. Command-Line Method
 - Editing install.properties file
- 5. Upgrading protExpress
 - b. Command-Line Method
 - Editing upgrade.properties file
- Configuring JBoss servers and PostgreSql 8.3.xserver to run as a service
- 7. Post-Installation Tasks
 - Updating Help Desk info in DB using SQL
 - b. Using UPT to Add protExpress Users

Before You Proceed



Once protExpress 1.0 has been installed, you should use the upgrade package for subsequent installs/upgrades of either the application or the grid service. Using the installer package again on the same database instance (specified in the properties file) will **OVERWRITE** existing data. **Please exercise caution.**

You can use the installer package if you want to host multiple instances of the application and/or want to maintain different versions of the application independent of each other. In this scenario, please ensure there are no port number conflicts for Apache Tomcat and no overlap between the database properties exist.

Chapter 2 protExpress 1.0 Software and Technology Requirements

Tested Environment

The protExpress 1.0 installation has been tested on Linux Red Hat Enterprise Linux AS 4 64/32-bit (for AMD chipset) and the Windows XP/2003 environments. While the installation may work in other Linux and Windows environments, it has only been tested in these environments.

Required Software—Not Included in protExpress

Many of the servers and services that make up protExpress 1.0 are automatically installed as part of this installation. However, certain tools that you must manually install and configure are listed in Table 2-1 on page 5. The software name, version, description, and URL hyperlinks (for download) are indicated in the table.

Prior to the protExpress 1.0 installation, you must download and install the following tools and recommended versions in the order they are listed in Table 2-1 on page 5. Complete the directions for installing each, as directed on the corresponding website.

Required Software Name Version	Description
Java 2 Platform Standard Edition 5.0 Update 11 (J2SE 5.0) http://java.sun.com/products/archive/j2se/5.0_11/ Be sure to download the correct Java SDK for your operating environment. For example, for Linux AMD 64, you would download jdk-	The J2SE Development Kit (JDK) supports creating J2SE applications.
1_5_0_11-linux-amd64-rpm.bin. For Windows, you might download jdk-1_5_0_11-windows-i586-p.exe.	
Apache Ant, 1.7.0	Apache Ant is a Java-
https://gforge.nci.nih.gov/svnroot/lsd/trunk/tools/apache-ant-1.7.0-bin.zip	based build tool.
PostgreSql 8.3.x	PostgreSql is an open-
http://www.postgresql.org/download/	source database software application.
Be sure to download the appropriate pre-built binaries according to the targeted operating system.	арриоцион.

Table 2-1. Required Software

installing UPT	Important!	As you install each application, record the installation directory path, and the hostname of your PostgreSql 8.3.x DB server, and the DB admin username/password. This will be required for installing UPT.
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Java SDK Installation

When you install the Java SDK, you will be prompted to select the installation directory. Record the path, as this directory will be used when you set the environment variables.

Apache Ant Installation

Unzip the Apache Ant distribution files using a command line unzip tool or a zip utility, such as WinZip.

After extracting the zip, you must set the environment variables, described in the following section, so that Ant is available in the system PATH.

Apache Ant Environment Variables

As you install each application, record the installation directory path, and the hostname of your PostgreSql 8.3.x DB server, and the DB admin username/password. **This will be required for installing UPT**.

NOTE



The purpose of setting operating system environment variables is so that the Java SDK and Ant build tool are available to run from anywhere in the system.

Linux

To set the environmental variables in Linux, follow these steps:

NOTE



The JAVA_HOME, ANT_HOME and PATH environment variables are set in /etc/profile. You may need to create the variables, or modify them if they already exist.

Step	Action
1	As the root user, enter the following in the /etc/profile file. A PATH variable should already be created in this file, so be sure to define the JAVA_HOME and ANT_HOME export before the PATH export. Replace <some_path> with the correct path fragment for Java and Ant installations.</some_path>
	export JAVA_HOME= <some_path>/jdk1.5.0_11</some_path>
	export ANT_HOME= <some_path>/apache-ant-1.7.0</some_path>
	export PATH=\$JAVA_HOME/bin:\$ANT_HOME/bin:\$PATH
2	Log out and log back in so that the system recognizes your changes.

Verifying the Environment Variables in Linux

To verify that environment variables have been set correctly, follow these steps:

Step	Action
	From the command line, enter:
1	echo \$JAVA_HOME echo \$ANT_HOME
	Both of these commands should return the location where you installed these tools.

Step	Action
2	To verify your Java SDK installation, enter <code>java -version</code> from a command prompt. You should see <code>java version "1.5.0_11"</code> .
3	To verify your Ant installation, enter: ant -version from a command prompt. You should see: Apache Ant version 1.7.0 compiled on December 13 2006.

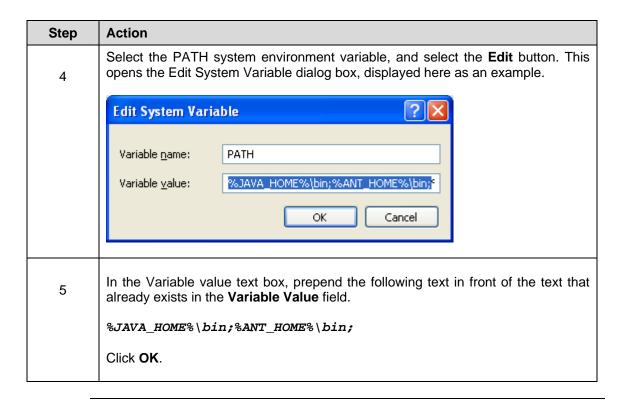
Windows

To set the environmental variables in Windows, follow these steps:



The JAVA_HOME, ANT_HOME and PATH environment variables are set in the Systems Properties.

Step	Action
1	In Windows, select Control Panel , then select the Systems application. In the Systems window, select the Advanced tab.
2	On the Advanced tab, click the Environment Variables button. To add a new system variable, select the New button.
	a. In the Variable <u>n</u>ame text box, enter JAVA_HOME .
	b. In the Variable value text box, enter the location of your Java installation.
0	Click the New button again.
3	a. In the Variable <u>n</u> ame text box, enter ANT_HOME .
	b. In the Variable value text box, enter the location of your Ant installation.



Verifying the Environment Variables in Windows

To verify the environment variables have been set correctly, follow these steps:

Step	Action
	From the command line, enter:
1	echo %JAVA_HOME%
	echo %ANT_HOME%
	Both of these commands should return the location where you installed these tools.
2	To verify your Java SDK installation, enter <code>java -version</code> from a command prompt. You should see <code>java version "1.5.0_11"</code> .
	To verify your Ant installation, enter ant -version from a command prompt.
3	You should see: Apache Ant version 1.7.0 compiled on December 13 2006.

NOTES

Environment variables for protExpress and, optionally, UPT are modified and set in those sections of this document:

- Installing a New protExpress 1.0, and
- Downloading and Installing UPT (Optional)

Chapter 3 PostgreSql 8.3.x Installation and Configuration

A PostgreSql 8.3.x server must be downloaded, installed and running in order for the protExpress installation to work successfully.

To download and install the appropriate PostgreSql 8.3.x binary, follow the steps outlined on the PostgreSql 8.3.x website: http://www.postgresql.org/download/

TIPS

- Record the PostgreSql 8.3.x root username/password chosen during the PostgreSql 8.3.x installation process. This will be needed when installing UPT (database.system.user and database.system.password.
- Note the PostgreSql 8.3.x port chosen during the PostgreSql 8.3.x installation process, as you will need to use this as your database.port later in both the protExpress and UPT installation processes.

Once installed, you must configure the database for protExpress.

Database configuration

Once the database server is installed, a database should be created along with a user who has full access on the database to create object (tables etc).

Step	Action	
1.	Connect to the database instance either through the command line or via the PostgreSql client.	
	Execute the following statements one by one in the correct sequence.	
2.	Create a new database:	
	create database [database_name];	
	where,	
	[database_name] is the name of the database.	
	Make a note of this name as it will be used later in the installation.	

Step	Action		
3.	Create a new user:		
	create user [db_username] with encrypted password '[db_pwd]';		
	where,		
	[db_username] is the name of the database user,		
	[db_pwd] is the password for the newly created user.		
	Make a note of the above values as they will be used later in the installation.		
4.	Set the newly created user as the owner of the database.		
	alter database [database_name] owner to [db_username];		
	where,		
	[database_name] is the name of the database, and		
	[db_username] is the name of the database user,		

Chapter 4 Working with Properties Files

About Properties

An important component of command-line installation of either protExpress or UPT, is configuring properties files.

Prior to initiating a command-line installation, property variables must be modified. Note the following points about changing or entering variables.

Paths in Properties Files

NOTE



The paths in the .properties files should use *forward* slashes. For example, you would use application.base.path.windows=C:/apps/protExpress, **not**

application.base.path.windows=C:\apps\protExpress
-app. If you use backslashes, you will experience undesirable
results.

Spaces in Path Property Values

NOTE



You should not specify paths with spaces included as property values. In Windows, note that the C:\Documents and Settings\<username> path contains spaces and should not be used, or anything similar. If you are using Windows, use a path such as C:/apps/protExpress. Spaces are fine for property values which do not represent a path.

More About Property Values

NOTES



- In each *.properties file,, any property value marked with uppercase REPLACE_* must be manually updated with the appropriate value.
- In each *.properties file, any property value marked with lowercase replace_* may be optionally updated with the appropriate value.

Chapter 5 Downloading and Installing **UPT** (Optional)

If you do not already have a User Provisioning Tool (UPT) installed, and you wish to manage user accounts for your protExpress application, you must install UPT.

Overview **UPT**

of

- UPT is used to provision users in the protExpress application. Each application installs with its own Common Security Module (CSM) schema that has sample/default users and a role/permissions structure.
- To add additional users you must provision the protExpress application in the UPT. Then you can assign users to protExpress.
- UPT 3.2.0 installation file and User's Guide can be downloaded from the following URL: https://gforge.nci.nih.gov/frs/?group_id=327

Server Components Installed by 3.2.0 installer

UPT

- The following components are installed and configured as part of 3.2.0 installation. You do not need to do anything further to download or install these components.
 - JBoss 4.0.x Hosts the UPT application.

NOTE



- Verify that default values defined port in uptinstall.properties files are not in use on your system by running netstat -a from the command line.
- The installer run pre-installation checks and fail the installation if ports the installer must use are in use. If the ports are in use prior to installation, you will need to stop any processes that are running.
- The UPT installer installs an instance of JBoss 4.0.4.

PRE- REQUISITES	 UPT requires a MySql 5.0.x database to be pre-installed. MySql is an open-source database software application. MySql 5.0.x can be downloaded from the URL: http://downloads.mysql.com/archives.php?p=mysql-5.0 It is recommended to install version MySql 5.0.27 or above. IMPORTANT- As MySql is installed, record the following values: Installation Path DB Server Hostname DB Admin User name DB Admin User name and password. It is recommended to create the following, and record the values for later use: Database Name – Name for the UPT database in MySql. Database user name – The username to access and create database objects in the UPT database. Database user password – Password for the database user identified in the previous step.
--------------------	--

To download and install the **UPT 3.2** files, follow these steps:

Step	Action	
1.	Download the UPT 3.2.0 Installation Zip File (upt_install_3.2.0.zip) from the following location:	
	Download URL: https://gforge.nci.nih.gov/frs/?group_id=327	
	IMPORTANT : Remember the download location as you will be using this file to run the installation in the steps that follow.	
2.	From the directory where you downloaded the upt_install_3.2.0.zip file, unzip the files, using one of these two methods:	
	a. Open a command prompt and use it to extract this file to a temporary location.	
	 a. For example, you may enter a command as below. You must have a ZIP tool installed. 	
	unzip -q upt_install_3.2.0.zip	
	b. Use WinZip or a similar utility to unzip the files.	
	IMPORTANT : Remember the location where the files were extracted. This location will be referred to as the <upt_installer_directory></upt_installer_directory> .	
3.	Edit the properties file: <up></up>	
	Update the values in the properties file, as appropriate. At a minimum, you will need to modify the values in the following table:	

Step	Action		
	Environment Variable	Description	
	application.base.path	The location where you want to install UPT.	
		Example: In Windows, it could be C:/apps/upt. Linux users can use \${user.home}/apps/upt or any other folder to which you have write permissions.	
		Important: This directory must be different than <up> <up> <up> <up> <up> <up> <up> <up></up></up></up></up></up></up></up></up>	
	authentication.type	The scheme used to login to UPT. Can be either of the following values:	
		• Idap	
		• db	
	database.server	This value <u>must</u> correspond to the domain name of machine that hosts the database server. You may need to consult your system administrator for this information.	
	database.port	This value <u>must</u> correspond to the port for the database server. 3306 is the default port, but check with your database administrator to be certain.	
	database.name	The name for the UPT database.	
	database.user	The name for the database user who can access and create objects in the UPT database.	
	database.password	Password for the above mentioned user.	
	ldap.url	LDAP related values. You may need to check with your sys admin for these.	
	ldap.basedn	Required if the authentication.type=Idap , else leave as blank.	
4.	Note: You shouldn't need to modify the other defaults values as we have chosen unique ports to reduce the risk of other applications using the same values. However, be sure to check the <code>install.properties</code> to verify that the ports in this file are not being used by other applications, otherwise you will experience problems.		
5.	From the command line, navigate to <upt_installer_directory></upt_installer_directory> , and type ant . This runs the installation.		

Step	Action		
6.	To verify the UPT installation, go to: <a href="http://<jboss.server.hostname>.<jboss.server.port>/upt">http://<jboss.server.hostname>.<jboss.server.port>/upt</jboss.server.port></jboss.server.hostname>		
	Refer to the install.properties for the correct values		
7.	After successfully installing UPT, make a backup of <upt_installer_directory>/install.properties in another directory for future reference.</upt_installer_directory>		
8.	IMPORTANT:		
	The default installation of UPT does not include the PostgreSql 8.3.x JDBC Jar File. This will have to be manually copied over to the Jboss directory. Details are below:		
	Filename: postgresql-8.3-603.jdbc3.jar		
	Download URL: https://gforge.nci.nih.gov/frs/?group_id=327		
	Copy To folder: {application.base.path}/jboss-4.0.4.GA/server/default/lib		
9.	Stop the JBoss server.		
	Restart the JBoss server.		

Chapter 6 Installing protExpress 1.0 Application and Services

To newly install the protExpress 1.0 application and services, follow the steps in this section:

BEFORE YOU BEGIN

• **Important**: There must already be a pre-existing PostgreSql 8.3.x DB and connection username/password for protExpress to install into; protExpress does not create its own DB.

Downloading protExpress 1.0 files

To download the protExpress 1.0 files, follow this step:

Step	Action		
1	Download the protExpress 1.0 Installation Zip File (protExpress_Install_1.0zip) from the following location:		
	Download URL: https://gforge.nci.nih.gov/frs/?group_id=327		
	IMPORTANT : Remember the download location as you will be using this file to run the installation in the steps that follow.		

Server Components in protExpress 1.0

These server components are installed and configured as part of the protExpress 1.0 installation. You do not need to do anything further to download or install these components.

 Apache Tomcat 5.5.20 (hosts both the protExpress application and grid service)

Installing a New protExpress 1.0 Instance

BEFORE YOU BEGIN



- **Important**: The installation process deletes any existing data in the database.
- If you do not want the re-initialize the data in the database, used the protExpress 1.0 Upgrade Package.

To install a new instance of protExpress 1.0 using the command-line, follow these steps:

Step	Action	
1.	From the directory where you downloaded the protExpress_Install_1.0.zip file, unzip the files, using one of these two methods:	
	b. Open a command pro	mpt and use it to extract this file to a temporary location.
	a. For example, you may enter a command as below. You must have a ZIP tool installed.	
	unzip -	g protExpress_Install_1.0.zip
	b. Use WinZip or a s	imilar utility to unzip the files.
	IMPORTANT : Remember the location where the files were extracted. This location will be referred to as the <installer_directory></installer_directory> .	
2.	Edit the properties file: < INSTALLER_DIRECTORY>/install.properties.	
	Update the values in the properties file, as appropriate. At a minimum, you will need to modify the below values:	
	application.instal	The location where you want to install protExpress.
	1.path	Example: In Windows, it could be C:/apps/protExpress. Linux users can use \${user.home}/apps/protExpress or any other folder to which you have write permissions.
		Important: This directory must be different than < INSTALLER_DIRECTORY> or the installation will fail.
	application.build.	A text string that denotes the location of the research center/lab/facility that is installing protExpress
	tomcat.host.name	This value <u>must</u> correspond to the domain name of machine that hosts the application server. You may need to consult your system administrator for this information.

Step	Action	
	database.server	This value <u>must</u> correspond to the domain name of machine that hosts the PostgreSql 8.3.x database server. You may need to consult your system administrator for this information.
	database.port	This value <u>must</u> correspond to the port for the PostgreSql 8.3.x database server. 5432 is the default port, but check with your database administrator to be certain.
	database.name	The name of the database.
		Example: protExpress
	database.user	The name for the database user who can access and create objects in the UPT database.
	database.password	Password for the above mentioned user.
	mail.smtp.host	SMTP Mail server for sending outgoing emails.
	mail.smtp.port	Outgoing email server port number.
	ldap.install	LDAP related values. Can be either of the following values:
		1. true
		2. false
		If Idap.install=true, the following values must be provided:
		1. Idap.url
		2. Idap.basedn
		3. Idap.prefix

Step	Action	
		Used to denote If the grid service installed or not: Potential values are:
		1. true
		2. false
		If grid.install=true , then the following value MUST be provided:
		 grid.index.url – The grid index server URL.If the grid service is installed but the index server url is incorrect, an exception/error will be thrown when attempting to access the Grid Service. Refer to <u>Appendix III</u> for the correct Index Server url's.
		If grid.install=true, it is RECOMMENDED that the following values be specified:
		grid.researchCenter.displayName
	grid.install	grid.researchCenter.shortName
	gramotan	grid.contactPerson.firstName
		grid.contactPerson.lastName
		5. grid.contactPerson.affiliation
		6. grid.contactPerson.addressLine1
		7. grid.contactPerson.addressLine2
		8. grid.contactPerson.stateProvince
		grid.contactPerson.localityCity
		10. grid.contactPerson.zip
		11. grid.contactPerson.country
		12. grid.contactPerson.emailId
		13. grid.contactPerson.phone
		14. grid.contactPerson.role
3.	Record the property values you have set. Note: You shouldn't need to modify the other default values as we have chosen unique ports to reduce the risk of other applications using the same values. However, be sure to verify that the ports in this file are not being used by other applications.	
4.	From the command line, navigate to <installer_directory>, and type ant. This initiates the installation process. The anticipated duration is anywhere from 1-15 minutes, depending on your system's speed, power and memory. The installer installs the protExpress schema in the specified pre-existing database on your PostgreSql 8.3.x server, and installs, configures, and starts an Apache Tomcat 5.5.20 server for both the protExpress application and the grid service.</installer_directory>	

Step	Action
5.	To verify protExpress installation, open your web browser to <a href="http://<tomcat.host.hostname>.<tomcat.host.port>/protExpress">http://xyz:28080/protExpress/ (example; http://xyz:28080/protExpress/ where, xyz is the tomcat hostname, and 28080 is the port that tomcat is running on.
6.	After successfully installing protExpress, make a backup of the <installer_directory>/install.properties file in a different directory for future reference.</installer_directory>

Reinstalling/Upgrading protExpress 1.0

You may want to upgrade protExpress 1.0 in either of the two situations:

- 1. Certain files are corrupted in the installation, and you want to re-install the application.
- 2. You may not have installed the grid service before, and want to install it now.

To perform an upgrade to protExpress 1.0 using the command-line, follow these steps.

Step	Action	
1.	From the directory where file, unzip the files, using o	you downloaded the protExpress_Upgrade_1.0.zip one of these two methods:
	a. Open a command pror	mpt and use it to extract this file to a temporary location.
	a. For example, you tool installed.	may enter a command as below. You must have a ZIP
	unzip -	g protExpress_ Upgrade _1.0.zip
	b. Use WinZip or a similar utility to unzip the files.	
	IMPORTANT : Remember the location where the files were extracted. This location will be referred to as the <installer_directory></installer_directory> .	
2.	 Edit the properties file: < INSTALLER_DIRECTORY>/upgrade.properti Update the values in the properties file, as appropriate. At a minimum will need to modify the below values: 	
	application.instal	The location where you want to install protExpress.
	1.path	Example: In Windows, it could be C:/apps/protExpress. Linux users can use \${user.home}/apps/protExpress or any other folder to which you have write permissions.
		Important: This directory must be different than < INSTALLER_DIRECTORY> or the installation will fail.

Step	Action	
	application.build.	A text string that denotes the location of the research center/lab/facility that is installing protExpress
	tomcat.host.name	This value <u>must</u> correspond to the domain name of machine that hosts the application server. You may need to consult your system administrator for this information.
	database.server	This value <u>must</u> correspond to the domain name of machine that hosts the PostgreSql 8.3.x database server. You may need to consult your system administrator for this information.
	database.port	This value <u>must</u> correspond to the port for the PostgreSql 8.3.x database server. 5432 is the default port, but check with your database administrator to be certain.
	database.name	The name of the database.
		Example: protExpress
	database.user	The name for the database user who can access and create objects in the UPT database.
	database.password	Password for the above mentioned user.
	mail.smtp.host	SMTP Mail server for sending outgoing emails.
	mail.smtp.port	Outgoing email server port number.
	ldap.install	LDAP related values. Can be either of the following values:
		1. true
		2. false
		If Idap.install=true, the following values must be provided:
		1. Idap.url
		2. Idap.basedn
		3. Idap.prefix

Step	Action	
		Used to denote If the grid service installed or not: Potential values are:
		1. true
		2. false
		If grid.install=true , then the following value MUST be provided:
		 grid.index.url – The grid index server URL.If the grid service is installed but the index server url is incorrect, an exception/error will be thrown when attempting to access the Grid Service. Refer to <u>Appendix III</u> for the correct Index Server url's.
		If grid.install=true, it is RECOMMENDED that the following values be specified:
		grid.researchCenter.displayName
	grid.install	2. grid.researchCenter.shortName
	gramotan	3. grid.contactPerson.firstName
		4. grid.contactPerson.lastName
		5. grid.contactPerson.affiliation
		6. grid.contactPerson.addressLine1
		7. grid.contactPerson.addressLine2
		8. grid.contactPerson.stateProvince
		9. grid.contactPerson.localityCity
		10. grid.contactPerson.zip
		11. grid.contactPerson.country
		12. grid.contactPerson.emailId
		13. grid.contactPerson.phone
		14. grid.contactPerson.role
3.	Record the property value	s you have set.
5.	Record the property values you have set. Note: You shouldn't need to modify the other default values as we have chosen unique ports to reduce the risk of other applications using the same values. However, be sure to verify that the ports in this file are not being used by other applications.	
4.	From the command line, navigate to <installer_directory>, and type ant This initiates the installation process. The anticipated duration is anywhere from 1-15 minutes, depending on your system's speed, power and memory.</installer_directory>	
	configures, and starts an Apache Tomcat 5.5.20 server pplication and the grid service.	

Step	Action
5.	To verify protExpress installation, open your web browser to <a href="http://<tomcat.host.hostname">http://<tomcat.host.hostname< a="">.tomcat.host.port/protExpress</tomcat.host.hostname<> (example; https://protexpress-dev.nci.nih.gov/protExpress/ .
6.	After successfully installing protExpress, make a backup of the <pre><installer_directory>/upgrade.properties</installer_directory></pre> file in a different directory for future reference.

Chapter 7 Post-Installation Tasks

Using UPT to Add protExpress Users

To use the UPT, follow these steps:

Step	Action			
1	Install UPT. For more information, see page 12.			
2	Launch a browser and access UPT via <a (from="" a="" href="http://<jboss.server.hostname>:<jboss.server.port>/upt" install.properties).<="" upt's="">			
3	Login to UPT, using the following profile: • Login ID=superadmin • Password=changeme • Application Name=csmupt			
4	Select the User tab at the top of the page, and click Create a New User .			
5	Enter Login Name, User First Name, User Last Name, User Password, User Password Confirm. Click Add.			
6	On the Application tab at the top of the screen, click Create a New Application.			

Step	Action		
	Enter the following parameters:		
7	Application Name=protExpress		
	Application Description= <application description=""></application>		
	Application Declarative Flag=Yes		
	Application Active Flag=Yes		
	 Application Database URL= jdbc:postgresql://\${database.server}:\${database.port} /\${protExpress.database.name} 		
	• Application Database User Name=\${protExpress.database.user}		
	• Application Database User		
	Password=\${protExpress.database.password}		
	• Application Database Confirm		
	Password=\${protExpress.database.password}		
	• Application Database		
	Dialect=org.hibernate.dialect.PostgreSqlDialect		
	Application Database Driver=org.postgresql.Driver		
8	Click Add > Associated Admins. then select Assign Admin.		
9	Highlight the user you want to be administrator of the application and then click Ass Admin .		
10	Log out of UPT.		
11	Login to UPT at		

Appendix A Verification & Troubleshooting

Step	Verify	Verification Mechanism
1	Ensure Apache Tomcat 5.5.20 is running.	Launch a browser and access Apache Tomcat home page at the URL <a href="http://<tomcat.host.hostname">http://<tomcat.host.hostname< a="">>.<tomcat.host.port></tomcat.host.port></tomcat.host.hostname<>
		where, <tomcat.host.hostname> and <tomcat.host.port> are the values specified in <installer_directory>/install.properties</installer_directory></tomcat.host.port></tomcat.host.hostname>
2	Ensure that the web application is up and running.	Launch a browser and access the web application at the URL <a href="http://<tomcat.host.hostname">http://<tomcat.host.hostname< a="">.<tomcat.host.port>/protExpress</tomcat.host.port></tomcat.host.hostname<>
		where, <tomcat.host.hostname> and <tomcat.host.port> are the values specified in <installer_directory>/install.properties</installer_directory></tomcat.host.port></tomcat.host.hostname>
3	Ensure that the caCORE SDK generated web app (used by the grid service, if installed) is up and running.	Launch a browser and access the application at the URL <a href="http://<tomcat.host.hostname">http://<tomcat.host.hostname< a="">./">http://ctomcat.host.hostname>./">http://ctomcat.host.hostname>./">http://ctomcat.host.hostname>./">http://ctomcat.host.hostname>./">http://ctomcat.host.hostname>./">http://ctomcat.host.hostname>./">http://ctomcat.host.port>/</tomcat.host.hostname<>
	NOTE: This is only applicable if the Grid Service was installed, i.e. if grid.install=true in <installer_directory>/inst all.properties</installer_directory>	where, <tomcat.host.hostname> and <tomcat.host.port> are the values specified in <installer_directory>/install.properties</installer_directory></tomcat.host.port></tomcat.host.hostname>
4	Ensure that the Grid Service has been installed successfully	Launch a browser and access the Axis wsrf page at the URL <a href="http://<tomcat.host.hostname">http://<tomcat.host.hostname< a="">>.<tomcat.host.port>/ wsrf/services/cagrid/ProtExpressGridService</tomcat.host.port></tomcat.host.hostname<>
	NOTE: This is only applicable if the Grid Service was installed, i.e. if grid.install=true in <installer_directory>/inst all.properties</installer_directory>	where, <tomcat.host.hostname> and <tomcat.host.port> are the values specified in <installer_directory>/install.properties</installer_directory></tomcat.host.port></tomcat.host.hostname>
		If the page displays an error, ensure that an appropriate value was provided for grid.index.url property in <installer_directory>/install.properties.</installer_directory>
		For more information, refer to the section(s) above on installing a new protExpress instance and/or installing/upgrading protExpress.

Appendix B Default Data

The default installation of protExpress 1.0 creates a default user. This is to enable easy login access to the application. The user name and password are as below:

Username: user1
Password: Pr0tu5@r!!

This user is the owner/creator of 3 example experiments provided by default. Logging into the application with the above-mentioned username will display the 3 experiments.

Appendix C Grid Index Server URL

The index server urls for Grid Service registration are:

- PRODUCTION Grid: Available outside the NIH Firewall <u>http://cagrid-index.nci.nih.gov:8080/wsrf/services/DefaultIndexService</u>
- QA Grid: Available within the NIH network only http://cagrid-index-qa.nci.nih.gov:8080/wsrf/services/DefaultIndexService
- Staging Grid: Available within the NIH network only

http://cagrid-index-stage.nci.nih.gov:8080/wsrf/services/DefaultIndexService

 Training Grid: Available within the NIH network only http://training03.cagrid.org:6080/wsrf/services/DefaultIndexService

Appendix D Contacting Application Support

NCICB http://ncicb.nci.nih.gov/NCICB/support

Application Telephone: 301-451-4384 **Support** Toll free: 888-478-4423