AD SWAT

CA TDM
4.4

CA Test Data Management 4.4

Prepared by : Manjunath Narayan
Reviewed by: Donald Gall
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Chapter 1: Introduction

The purpose of this document is to assist the End user working on CA Test Data Management to upgrade their CA Test Data Management from 3.x version to the latest version. The document will provide step by step approach to upgrade the CA TDM components.

Chapter 2: Prerequisite

2.1 Pre-requisite / Optional: Backing up current TDM Configurations

Review the following link before beginning the upgrade:

https://docops.ca.com/ca-test-data-manager/4-4/en/installing/upgrade-product-components

2.2 Prepare for Upgrade

To prepare for the upgrade, ensure that all necessary data is backed up and enter your license request, if necessary. If you have already migrated to the new licensing scheme introduced in CA Test Data Manager 3.1.2, you do not require a new license. You can simply reload the license after upgrade until it expires.

Starting with 3.2.2, the upgrade process automatically backs up all product configurations before the upgrade and restores those configurations during upgrade. Therefore, Step 2 is not required for upgrades to 3.5 and later unless you want to create your own backups for extra security.

1. Back up your repository database.
   This process varies depending on your database. Check with your DBA.
2. (Optional) Back up all enabled CA Test Data Manager configurations as follows, using the TDoD Config Editor as an example:
   a. Navigate to TDM_HOME\Grid-Tools\TDoD\TDoD_Config Editor and run TDoDConfigEditor.exe.

b. On the Configure Server tab, click Backup.
   The config editor creates a backup of the configuration file, and a confirmation message appears.
c. Back up other enabled config editors using the same process.

If enabled, other config editors that support backup are:

- Remote Publish Engine
- Rally Batch Service
- HP ALM Service
- Group Job Process Executor
- HP ALM Batch Configuration Service

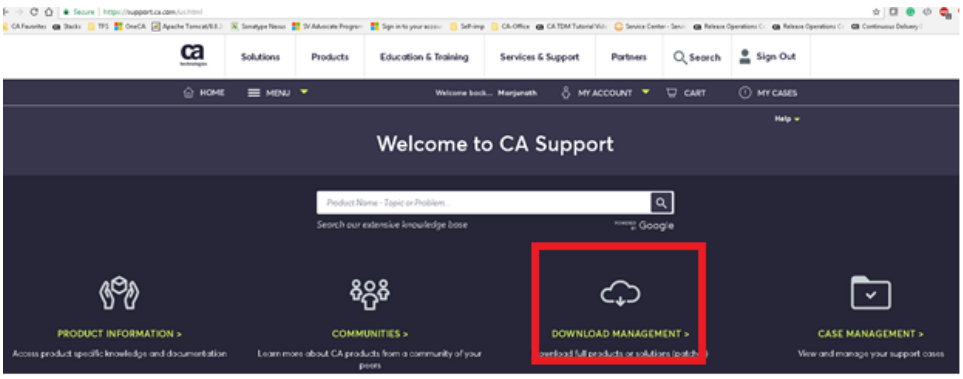
3. (Optional) Request a license for your upgrade using a Customer Care Case Request: https://support.ca.com/irj/portal/anonymous/customercare.
   This request is only necessary if you are upgrading from an older version or if your license is expiring. Licenses from 3.1.2 and later are reusable with your upgraded software until they expire.
   Provide your Enterprise Site ID, Product Name (CA Test Data Manager), and release number. When the request is processed, you receive an activation key. If needed, we recommend that you request the license before performing the upgrade to account for the license turnaround time.

2.3 Upgrade Path for 4.4

Versions	Suggested Path
3.2	3.2->3.5 -> 3.8 -> 4.0->4.2 -> 4.4
3.5	3.5->3.8 -> 4.0 -> 4.2->4.4
3.8	3.8->4.0 -> 4.2-> 4.4
4.0	4.0 -> 4.2->4.4
4.1	4.1 -> 4.3->4.4
4.2	4.2 -> 4.4
4.3	4.3 -> 4.4

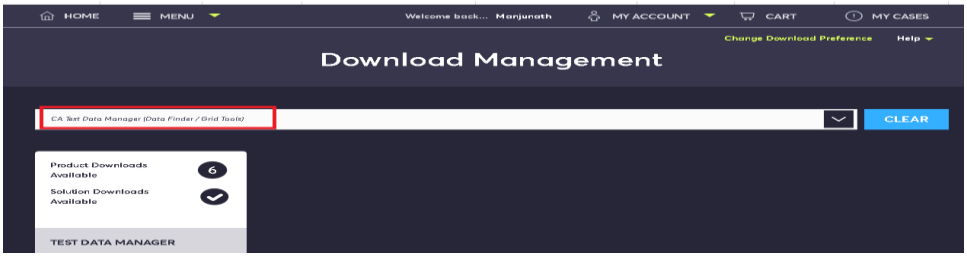
Chapter 3: Installation

3.1 Download



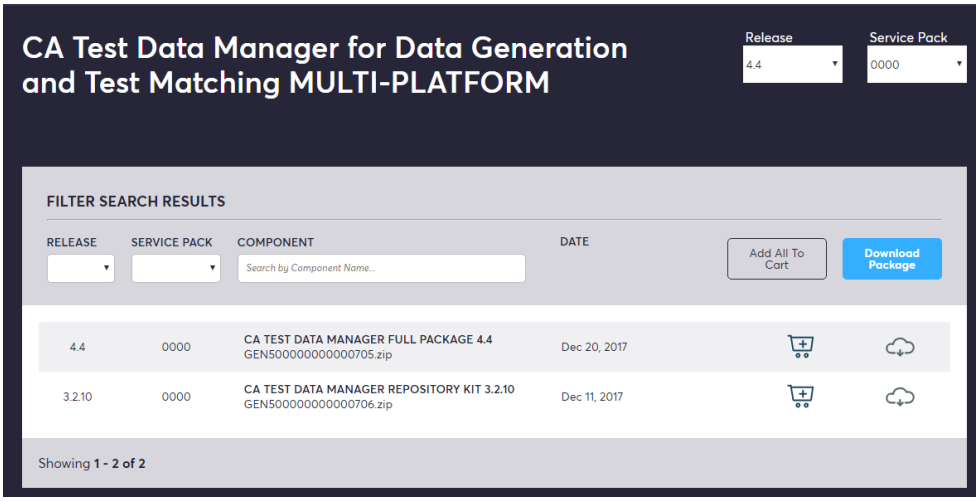
CA Test Data Manager v3.x/4.x can be downloaded from the CA Support site at http://support.ca.com Download Management

Note: TDM Portal is available in CA Test Data Manager Full Package

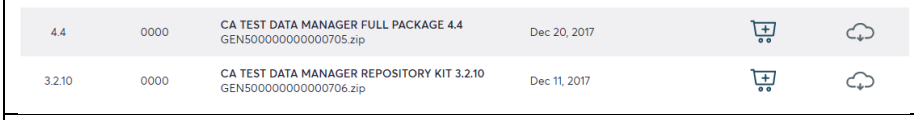
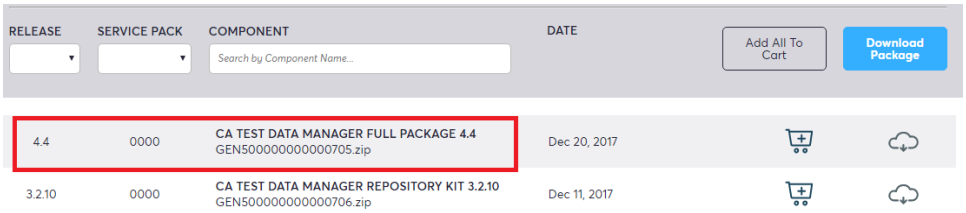
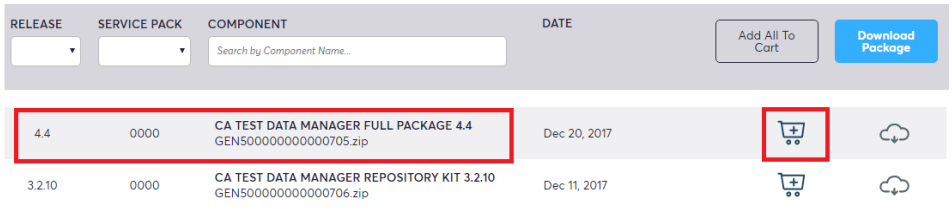


Search for **CA Test Data Manager for Data Generation – MULTI-PLATFORM** **or whichever TDM SKU you have listed as per your customer contract**

OR

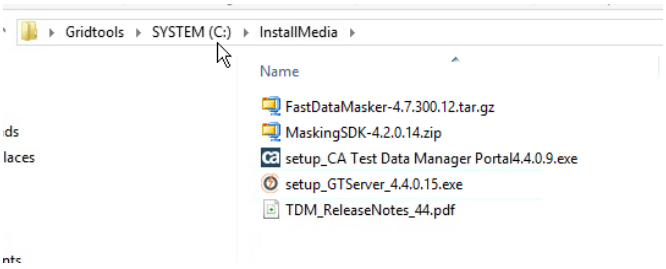


Select a Release v 4.4

	**CA Test Data Manager Full Package 4.X** Component should be downloaded.
	You can either *Download* from here directly or select *Add to Cart* for the various downloads (as required) and then select *View Download Cart*.
	Choose one of the methods for download and start the download to your Download location

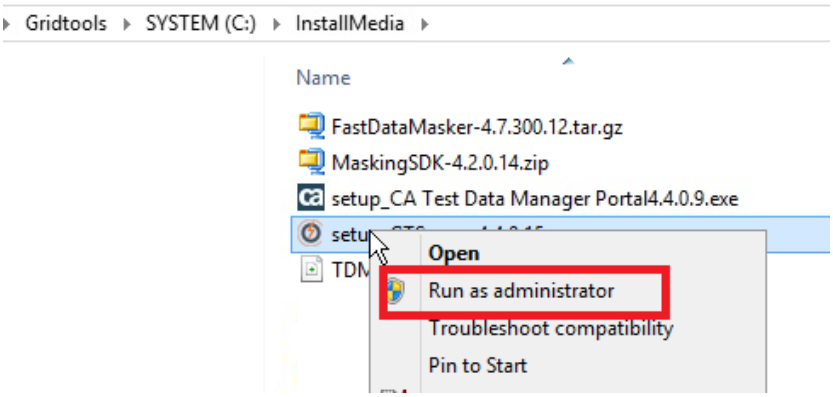
3.2 Installation steps to TDM 4.x

Go to the location where you chose the zip file to be downloaded to and un-compress the file. Once completed you should see product files as listed below:



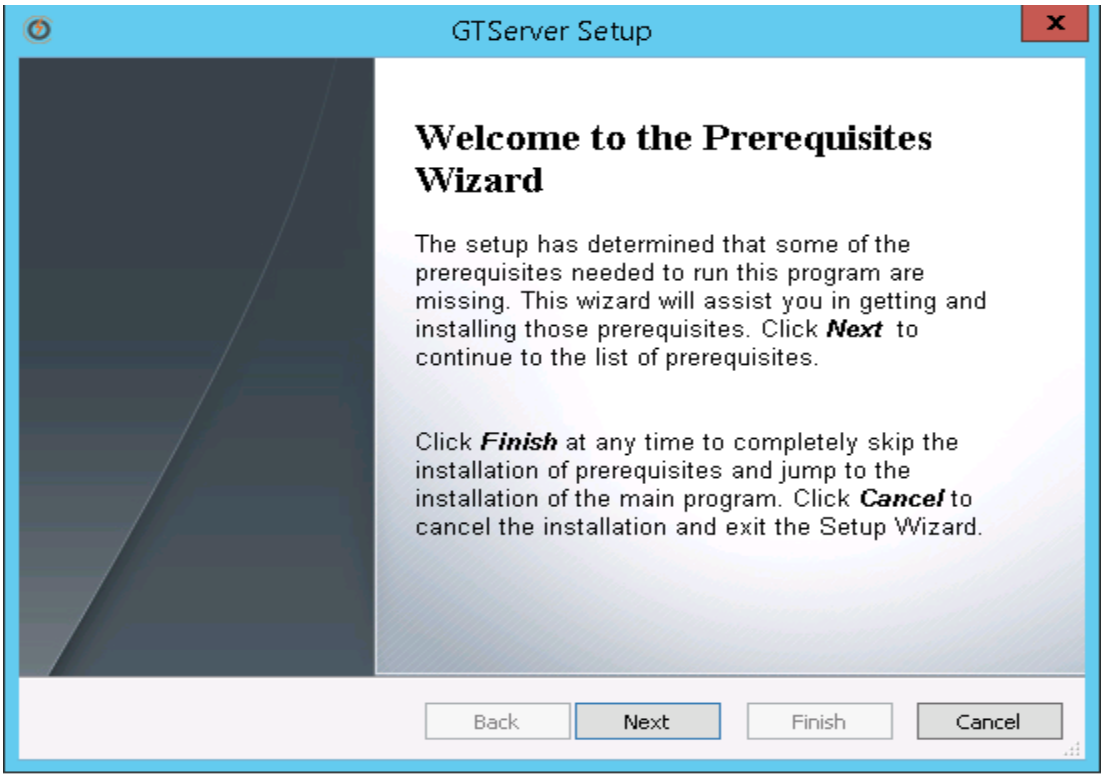
You should now see a setup executable with the Datamaker logo next to it.

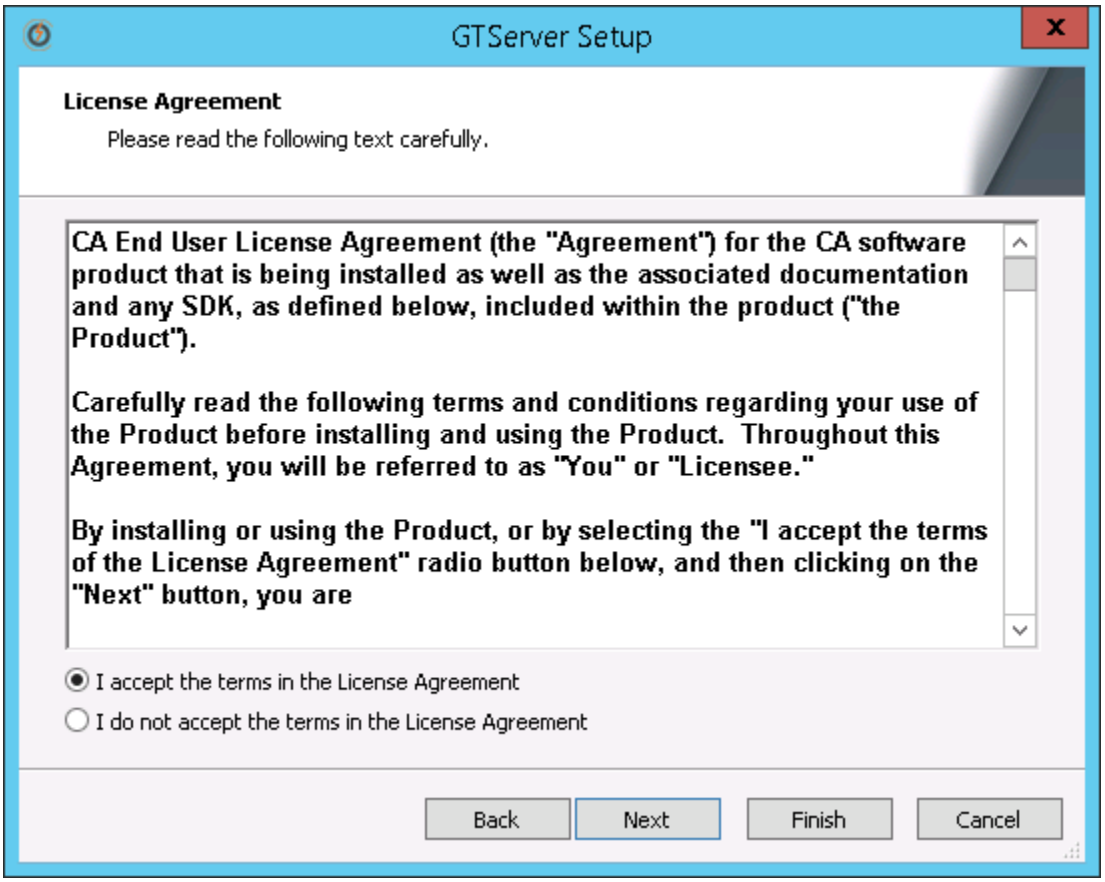
Launch the executable by right clicking and select "**Run as administrator**".

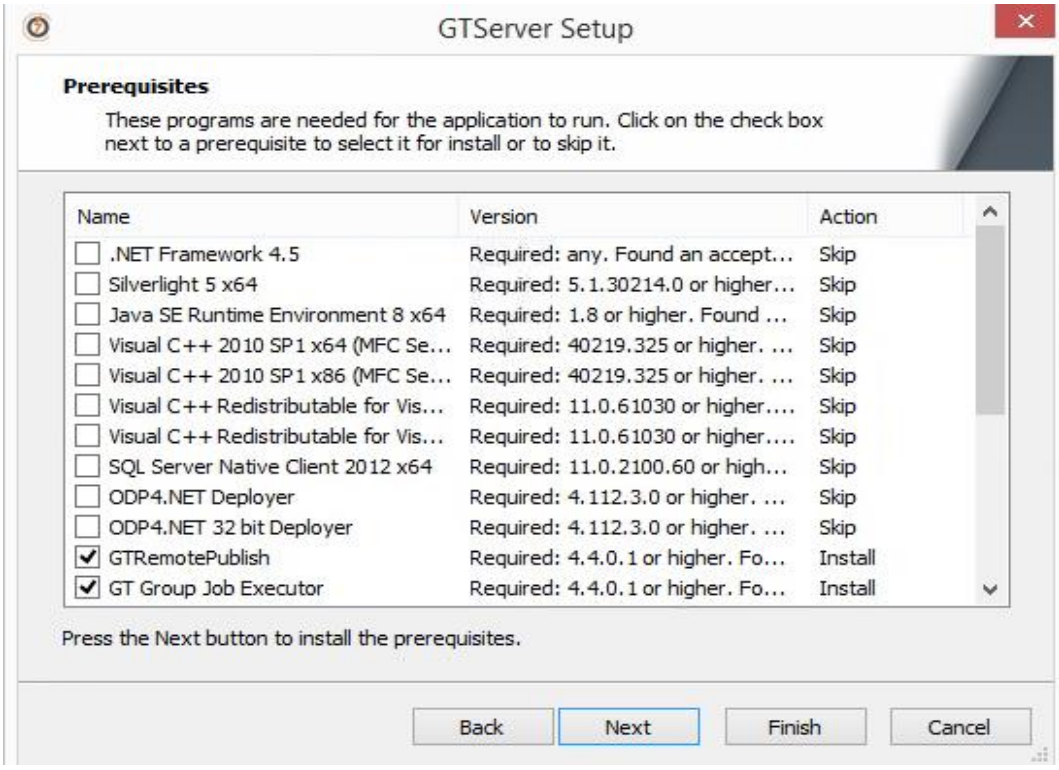


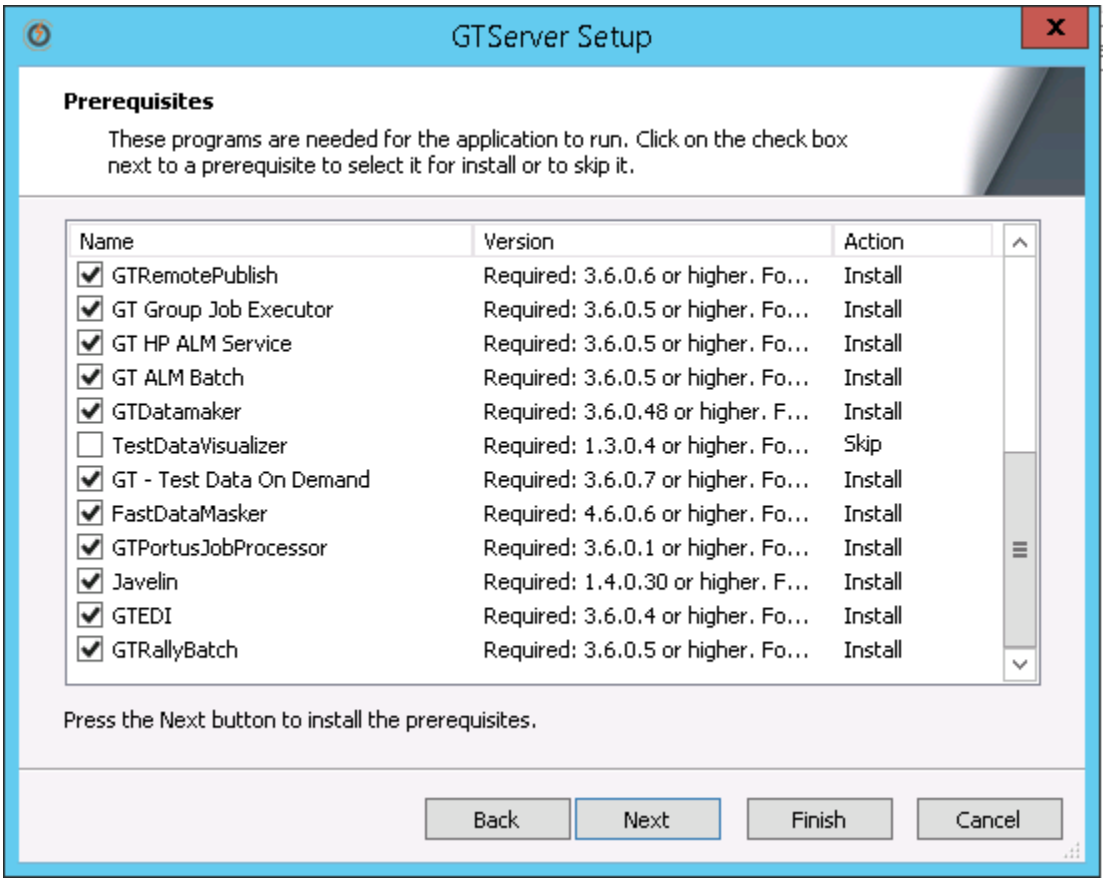
Follow along with the following screen shots.

Note: During installation/upgrade, It is advised to leave everything as the default selections, unless you have specific components you want or don't want to install, in which select/deselect as necessary. Also, the target install location should automatically be directed to the current installation, but it is recommended to check/verify that it is correct.

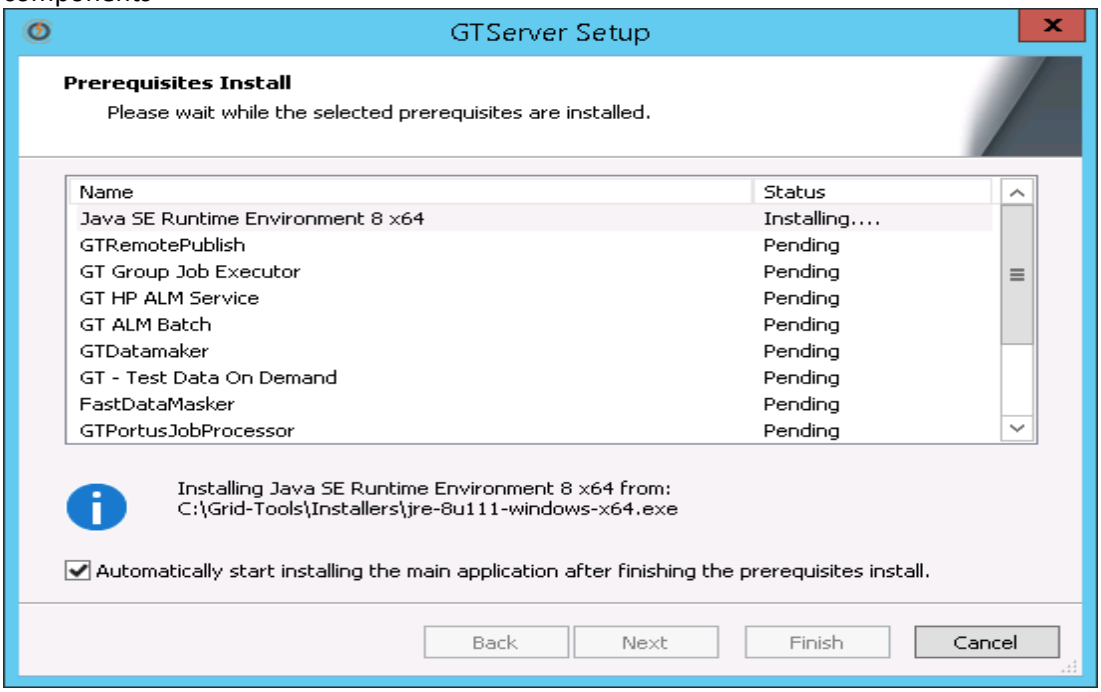

GTServer Setup
Welcome to the Prerequisites Wizard
The setup has determined that some of the prerequisites needed to run this program are missing. This wizard will assist you in getting and installing those prerequisites. Click Next to continue to the list of prerequisites.
Click Finish at any time to completely skip the installation of prerequisites and jump to the installation of the main program. Click Cancel to cancel the installation and exit the Setup Wizard.
Back
Next
Finish
Cancel

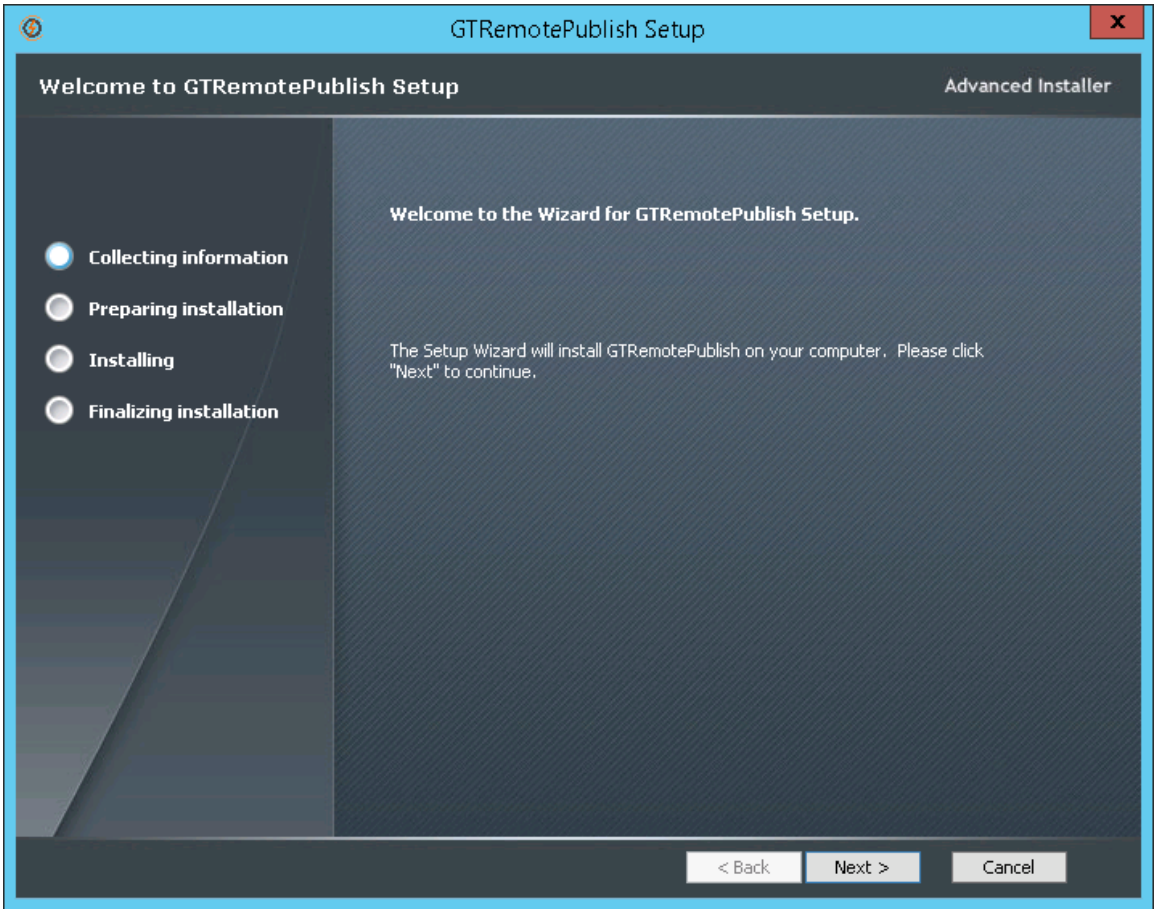

GTServer Setup
License Agreement
Please read the following text carefully.
CA End User License Agreement (the "Agreement") for the CA software product that is being installed as well as the associated documentation and any SDK, as defined below, included within the product ("the Product").
Carefully read the following terms and conditions regarding your use of the Product before installing and using the Product. Throughout this Agreement, you will be referred to as "You" or "Licensee."
By installing or using the Product, or by selecting the "I accept the terms of the License Agreement" radio button below, and then clicking on the "Next" button, you are
I accept the terms in the License Agreement
I do not accept the terms in the License Agreement
Back
Next
Finish
Cancel


GTServer Setup
Prerequisites
These programs are needed for the application to run. Click on the check box next to a prerequisite to select it for install or to skip it.
Name
Version
Action
.NET Framework 4.5
Required: any. Found an accept...
Skip
Silverlight 5 x64
Required: 5.1.30214.0 or higher...
Skip
Java SE Runtime Environment 8 x64
Required: 1.8 or higher. Found ...
Skip
Visual C++ 2010 SP1 x64 (MFC Se...
Required: 40219.325 or higher. ...
Skip
Visual C++ 2010 SP1 x86 (MFC Se...
Required: 40219.325 or higher. ...
Skip
Visual C++ Redistributable for Vis...
Required: 11.0.61030 or higher....
Skip
Visual C++ Redistributable for Vis...
Required: 11.0.61030 or higher....
Skip
SQL Server Native Client 2012 x64
Required: 11.0.2100.60 or high...
Skip
ODP4.NET Deployer
Required: 4.112.3.0 or higher. ...
Skip
ODP4.NET 32 bit Deployer
Required: 4.112.3.0 or higher. ...
Skip
GTRemotePublish
Required: 4.4.0.1 or higher. Fo...
Install
GT Group Job Executor
Required: 4.4.0.1 or higher. Fo...
Install
Press the Next button to install the prerequisites.
Back
Next
Finish
Cancel

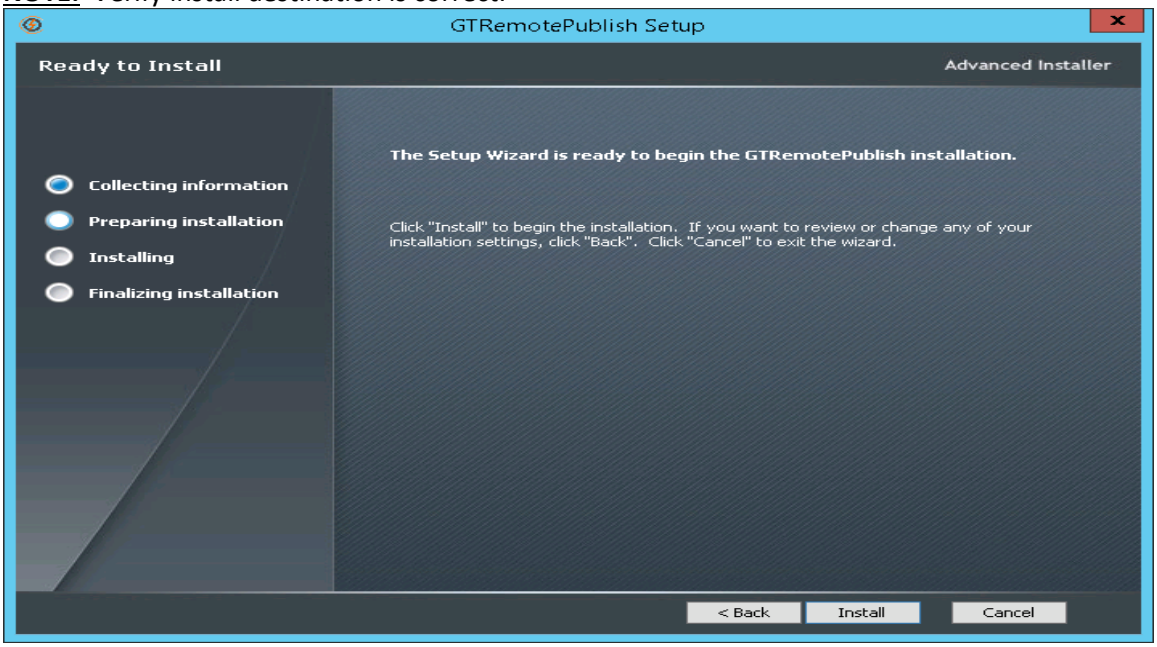

GTServer Setup
Prerequisites
These programs are needed for the application to run. Click on the check box next to a prerequisite to select it for install or to skip it.
Name
Version
Action
GTRemotePublish
Required: 3.6.0.6 or higher. Fo...
Install
GT Group Job Executor
Required: 3.6.0.5 or higher. Fo...
Install
GT HP ALM Service
Required: 3.6.0.5 or higher. Fo...
Install
GT ALM Batch
Required: 3.6.0.5 or higher. Fo...
Install
GTDatamaker
Required: 3.6.0.48 or higher. F...
Install
TestDataVisualizer
Required: 1.3.0.4 or higher. Fo...
Skip
GT - Test Data On Demand
Required: 3.6.0.7 or higher. Fo...
Install
FastDataMasker
Required: 4.6.0.6 or higher. Fo...
Install
GTPortusJobProcessor
Required: 3.6.0.1 or higher. Fo...
Install
Javelin
Required: 1.4.0.30 or higher. F...
Install
GTEDI
Required: 3.6.0.4 or higher. Fo...
Install
GTRallyBatch
Required: 3.6.0.5 or higher. Fo...
Install
Press the Next button to install the prerequisites.
Back
Next
Finish
Cancel

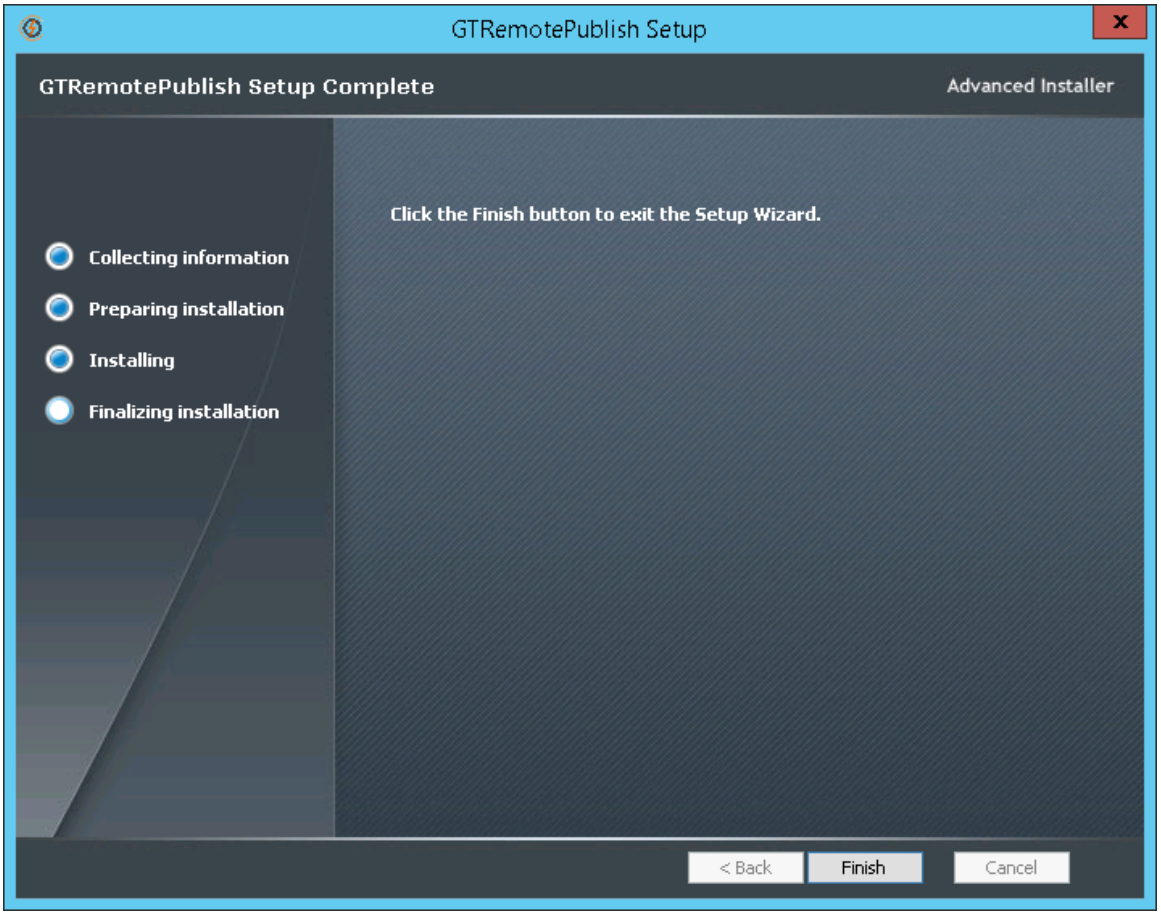
NOTE: Any prerequisites that are needed will be installed prior to the installation of the selected components

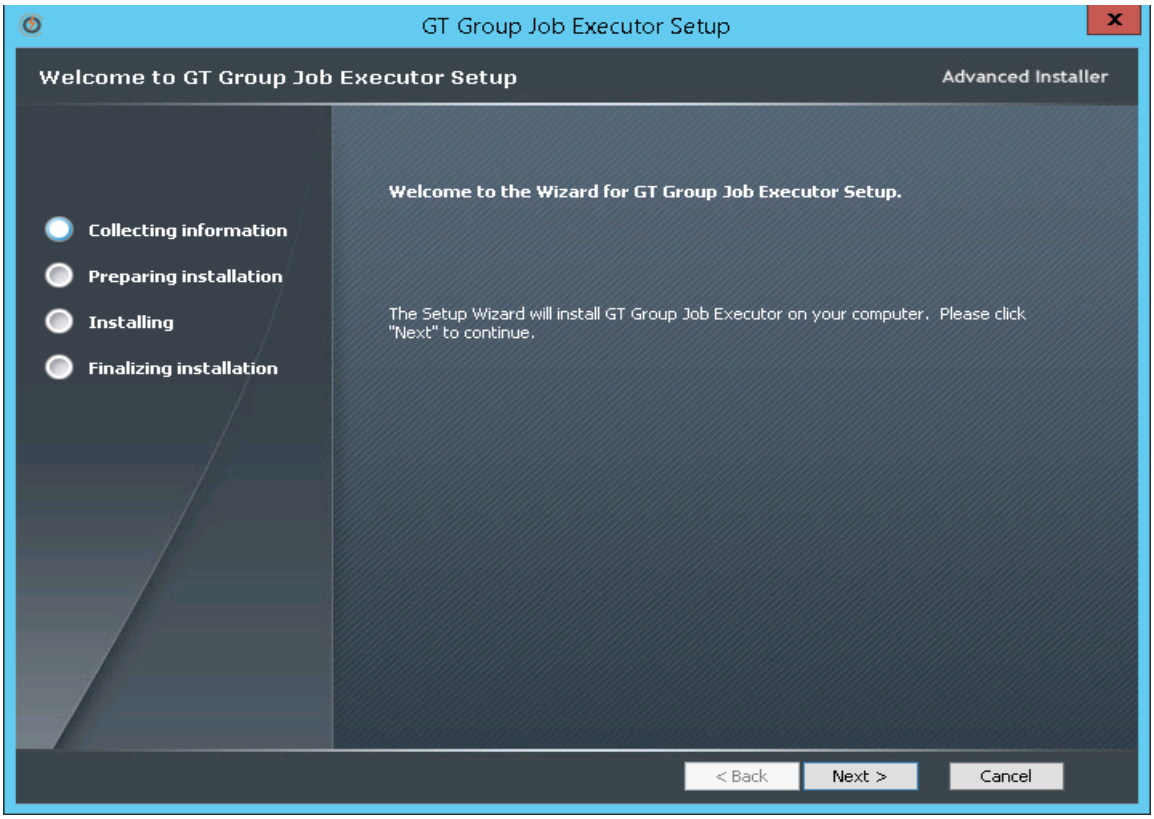


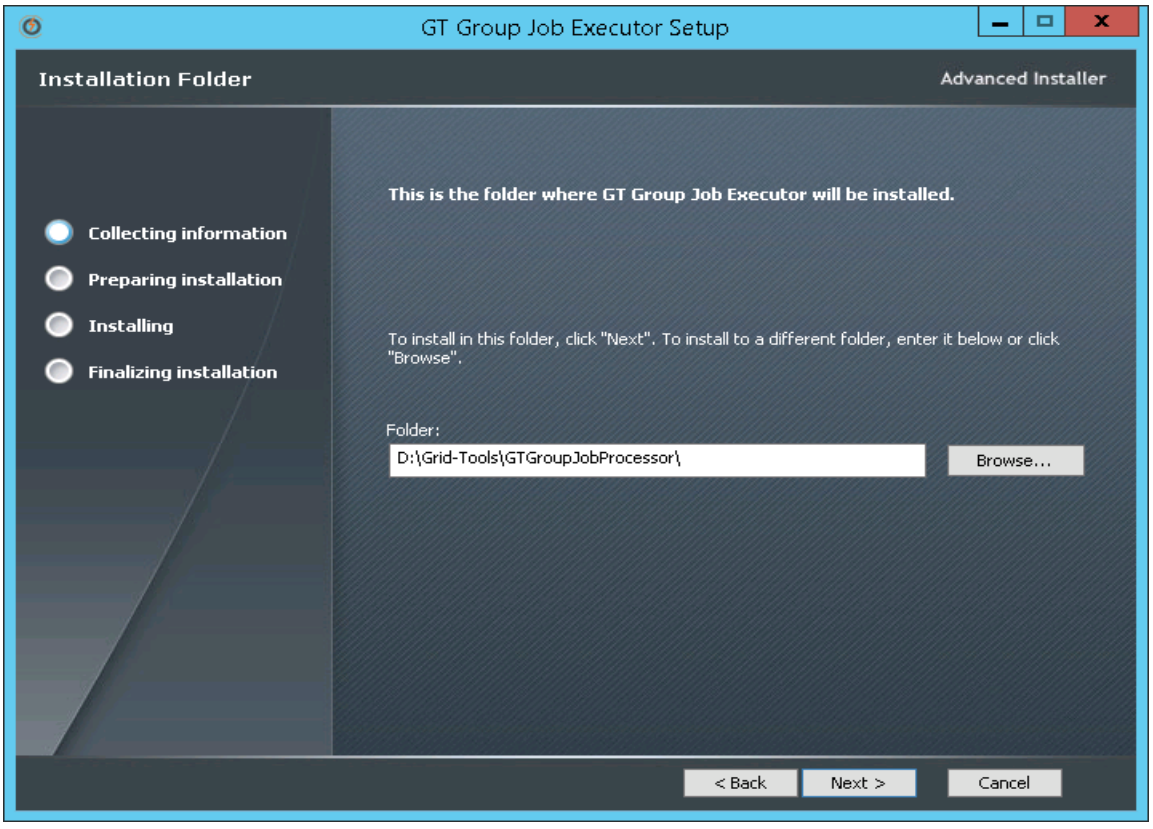


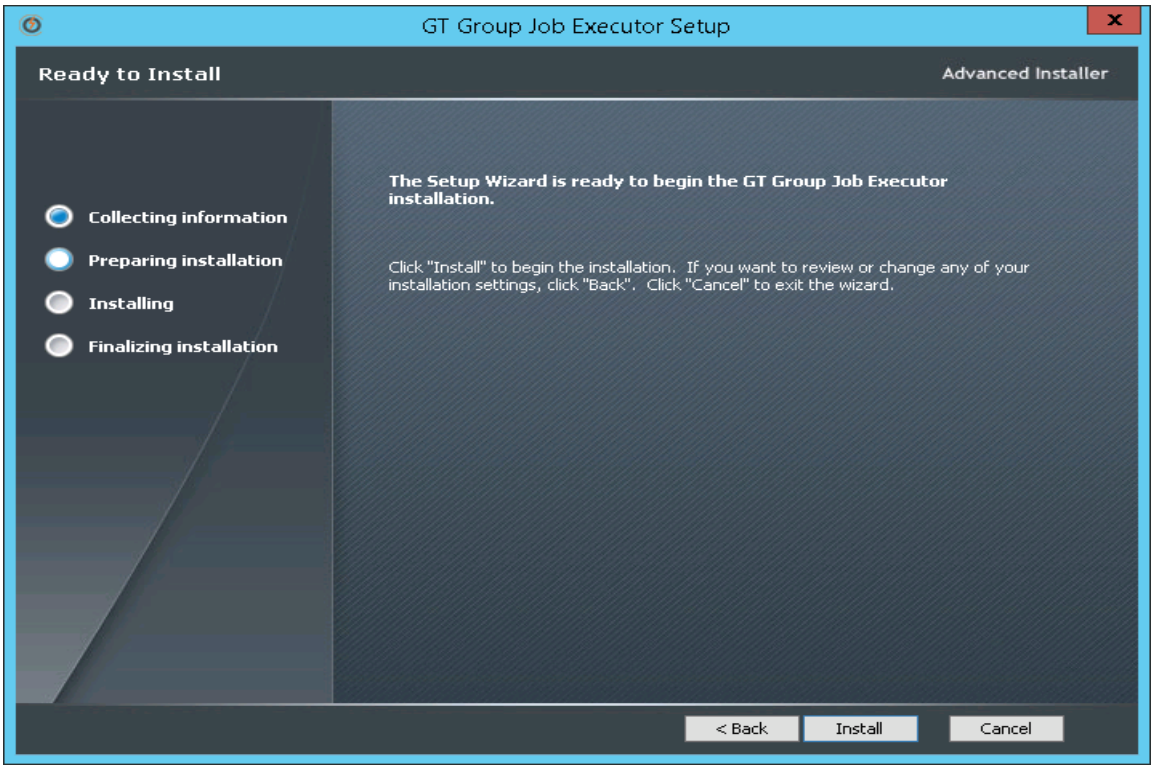
NOTE: Verify install destination is correct.

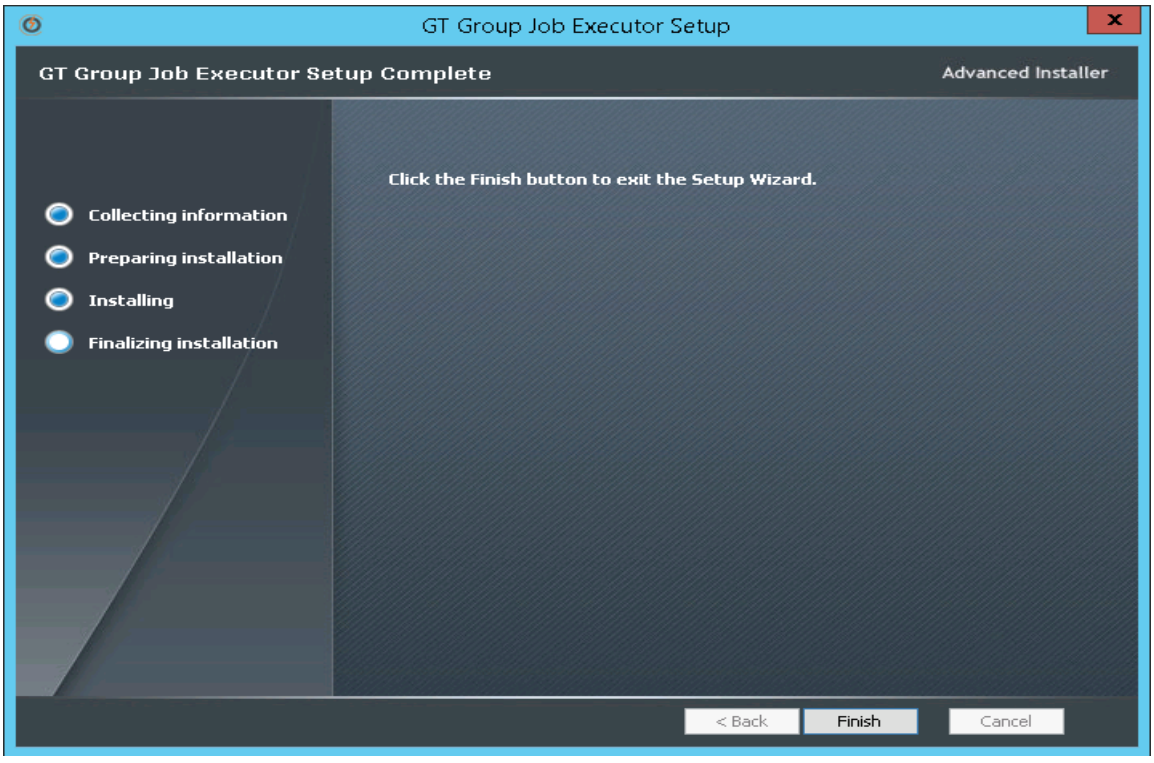


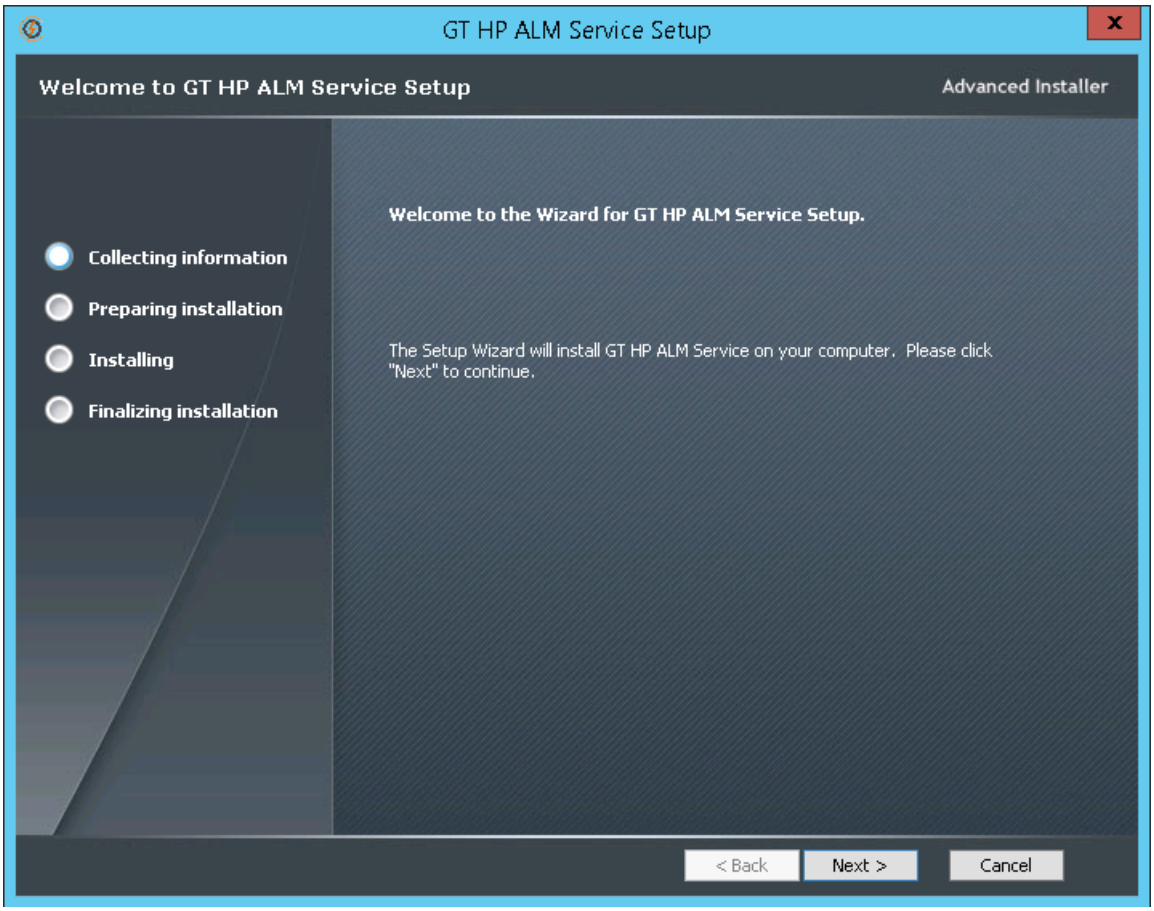


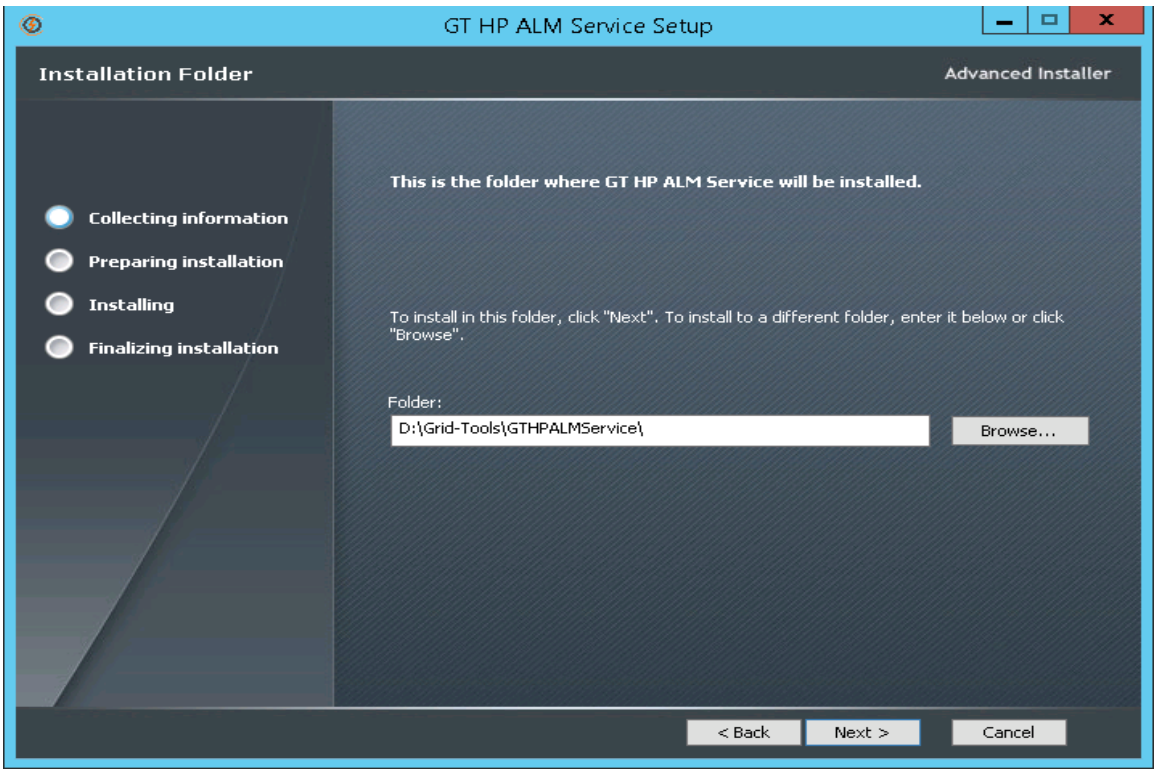

GT Group Job Executor Setup
Welcome to GT Group Job Executor Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GT Group Job Executor Setup.
The Setup Wizard will install GT Group Job Executor on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

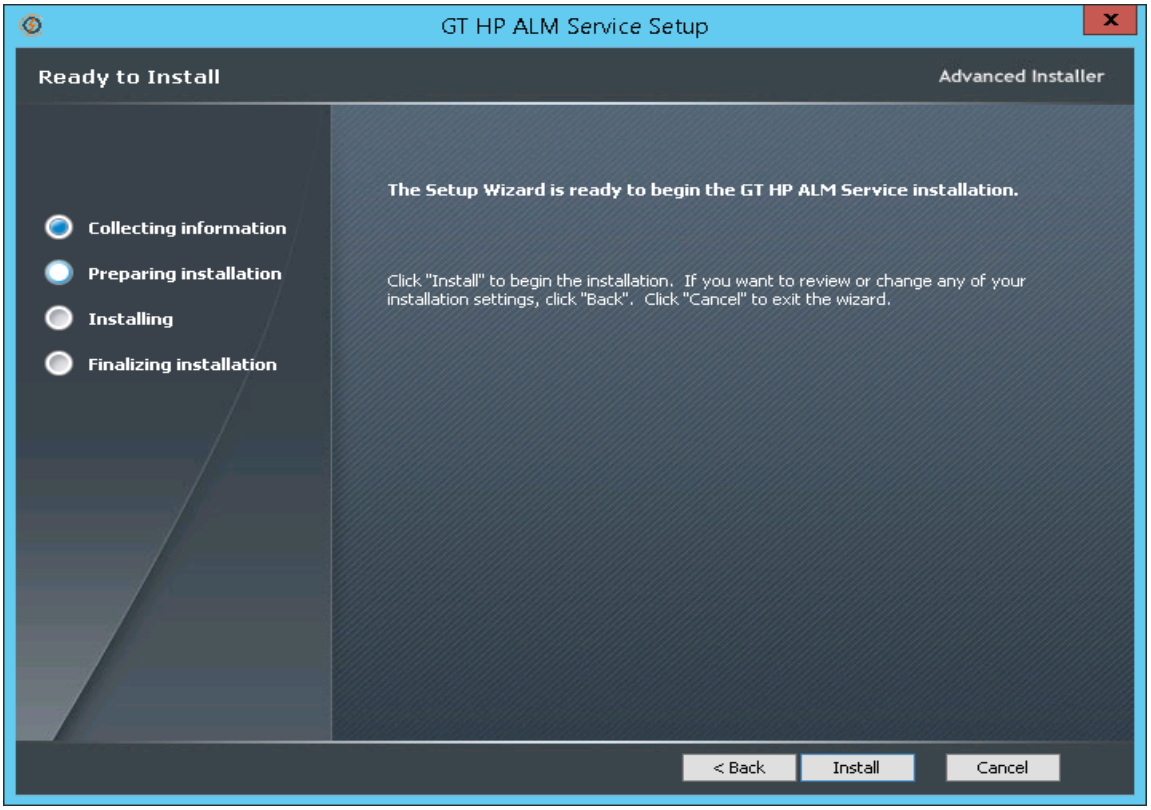

GT Group Job Executor Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GT Group Job Executor will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\GTGroupJobProcessor\
Browse...
< Back
Next >
Cancel

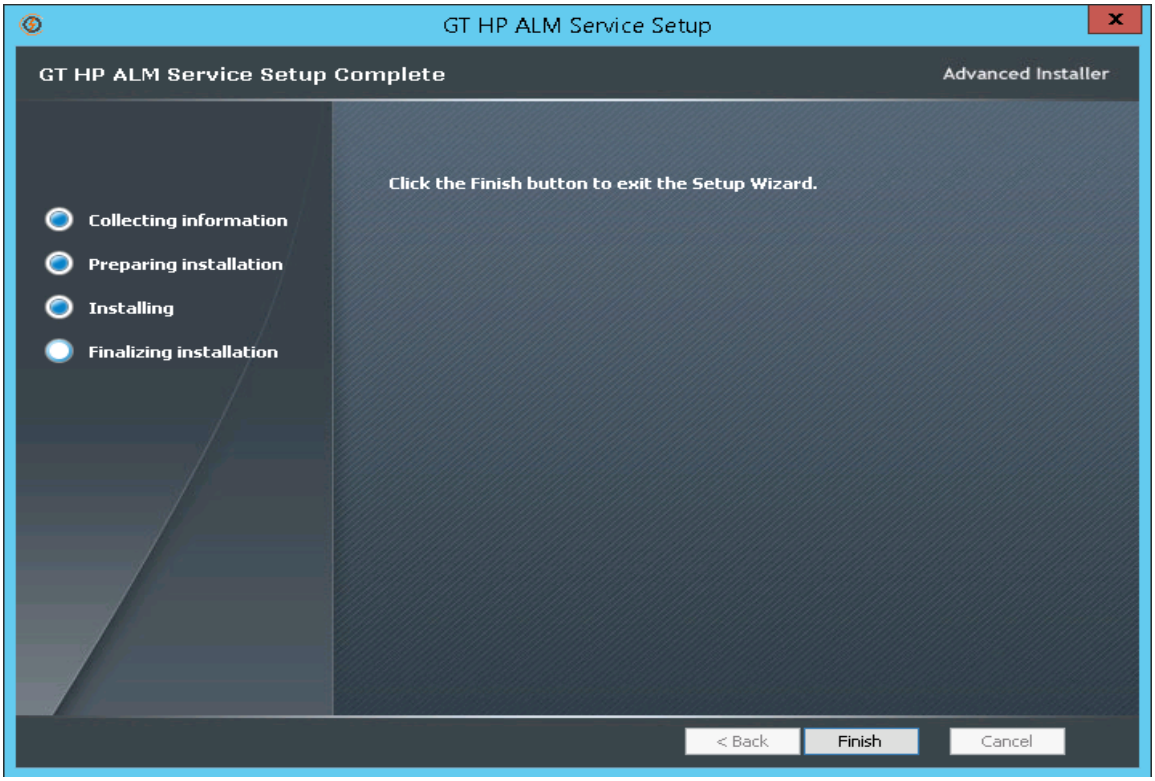

GT Group Job Executor Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GT Group Job Executor installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

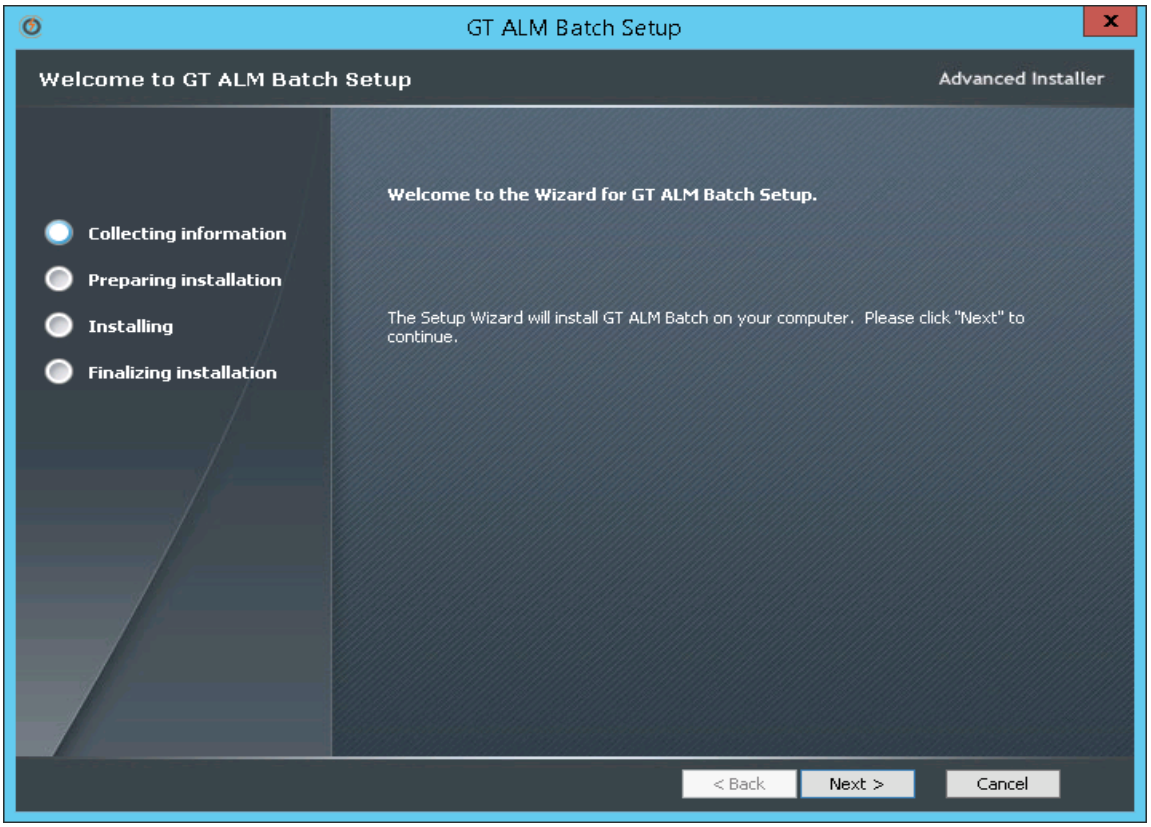

GT Group Job Executor Setup
GT Group Job Executor Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the Finish button to exit the Setup Wizard.
< Back
Finish
Cancel

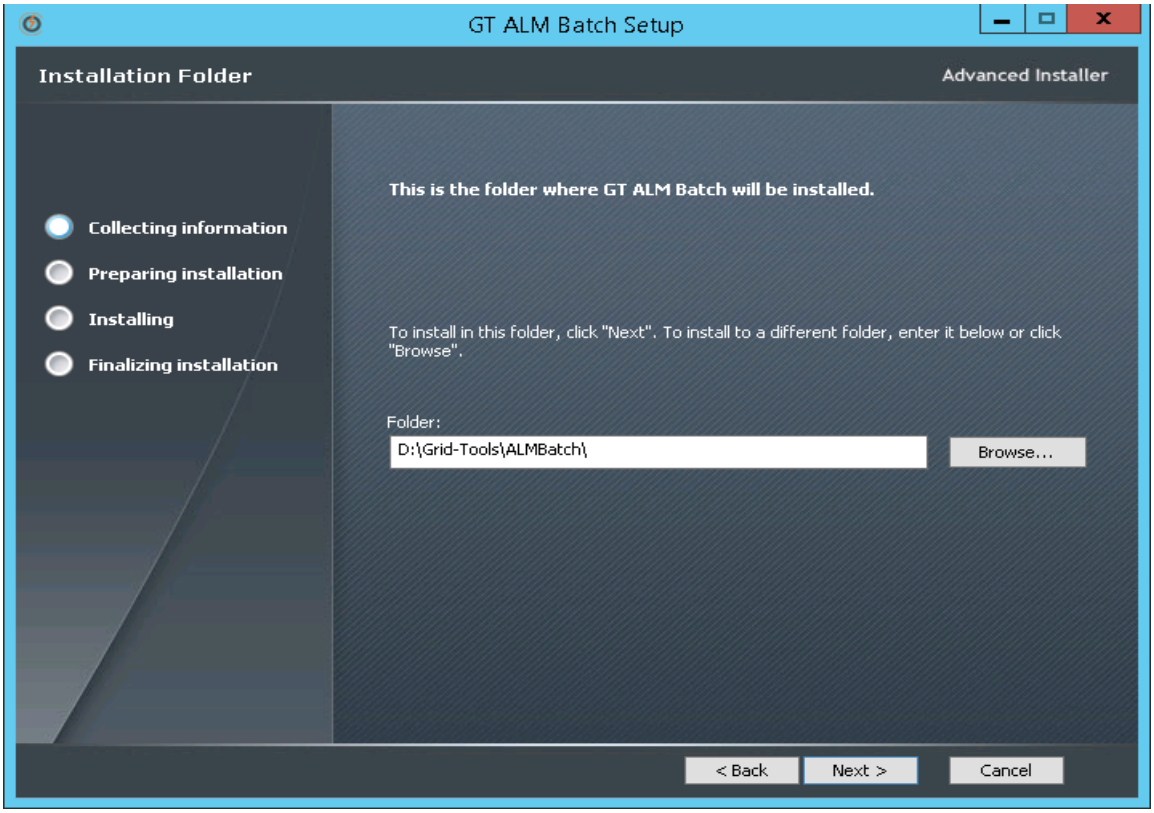

GT HP ALM Service Setup
Welcome to GT HP ALM Service Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GT HP ALM Service Setup.
The Setup Wizard will install GT HP ALM Service on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

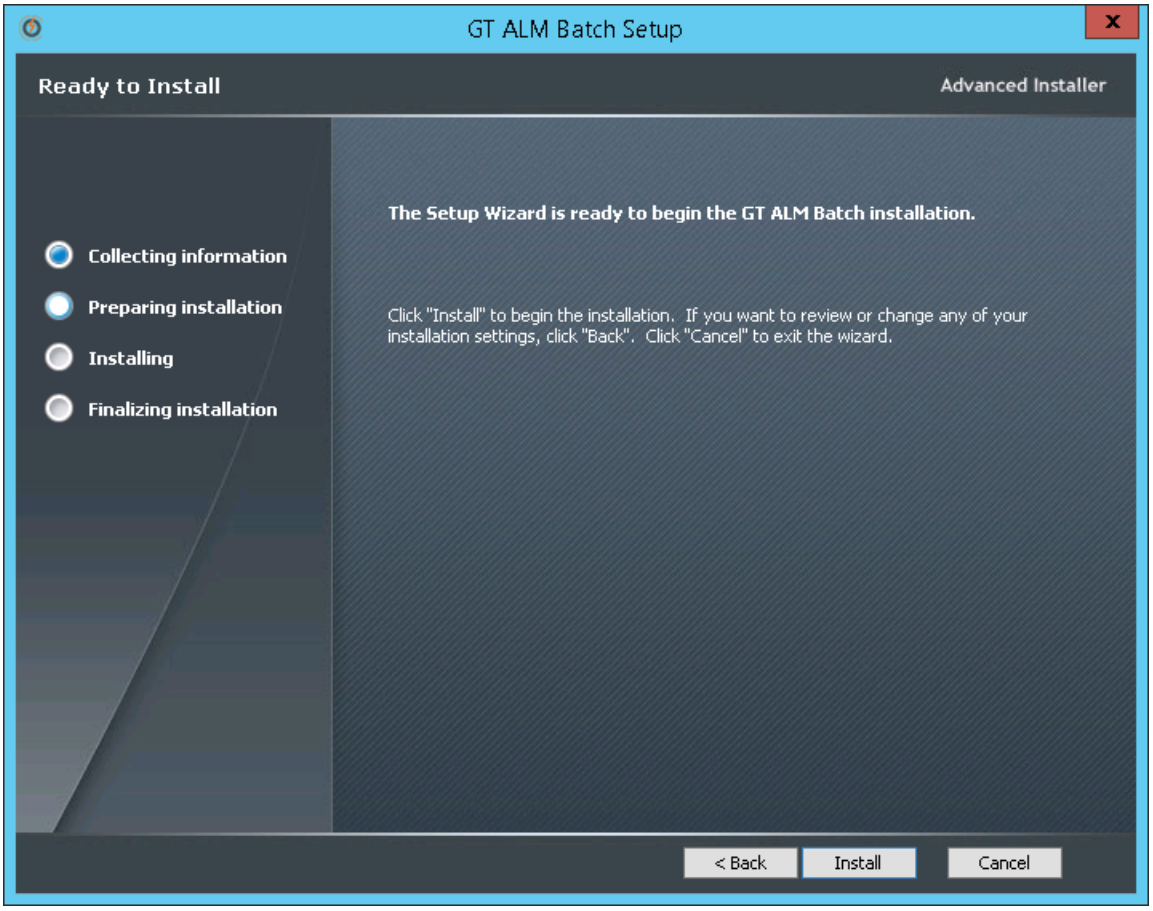

GT HP ALM Service Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GT HP ALM Service will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\GTHPALMService\
Browse...
< Back
Next >
Cancel

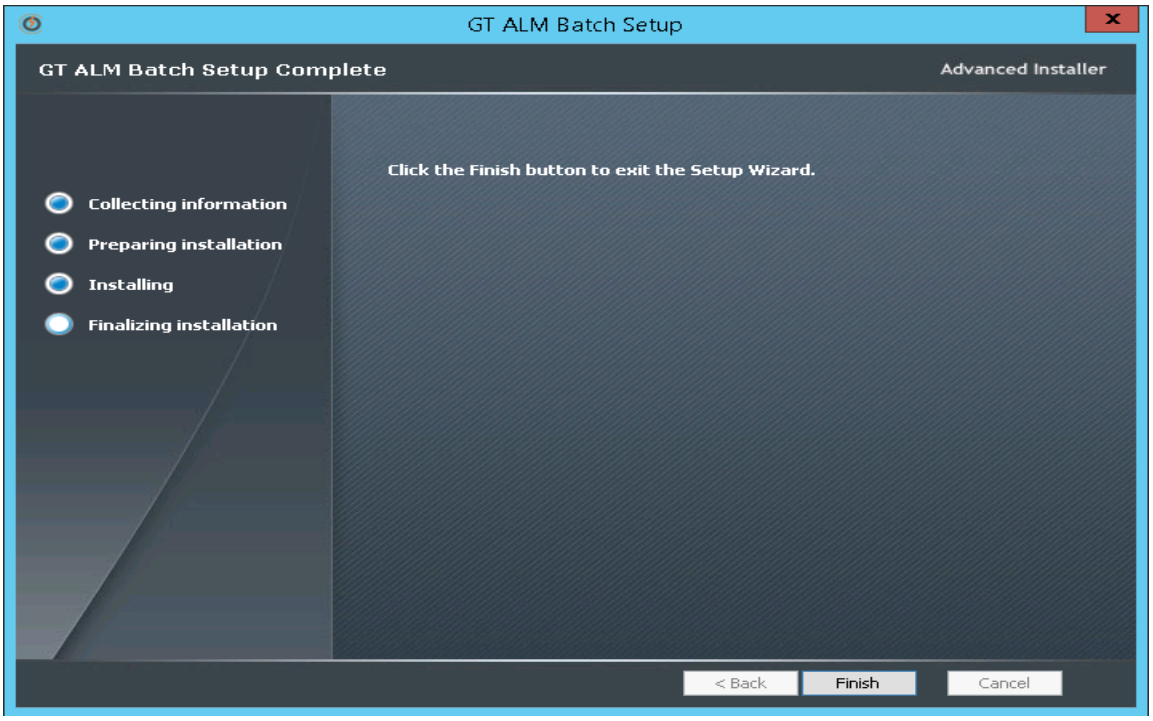

GT HP ALM Service Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GT HP ALM Service installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

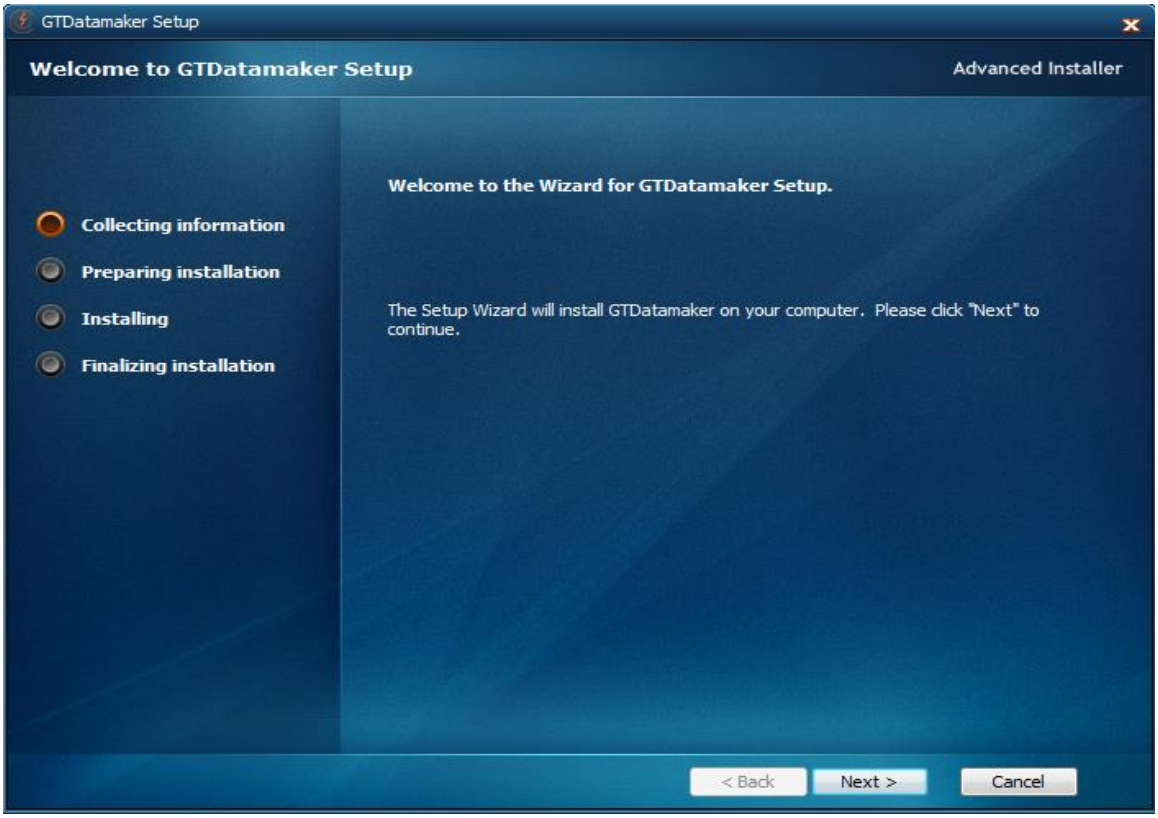

GT HP ALM Service Setup
GT HP ALM Service Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the Finish button to exit the Setup Wizard.
< Back
Finish
Cancel

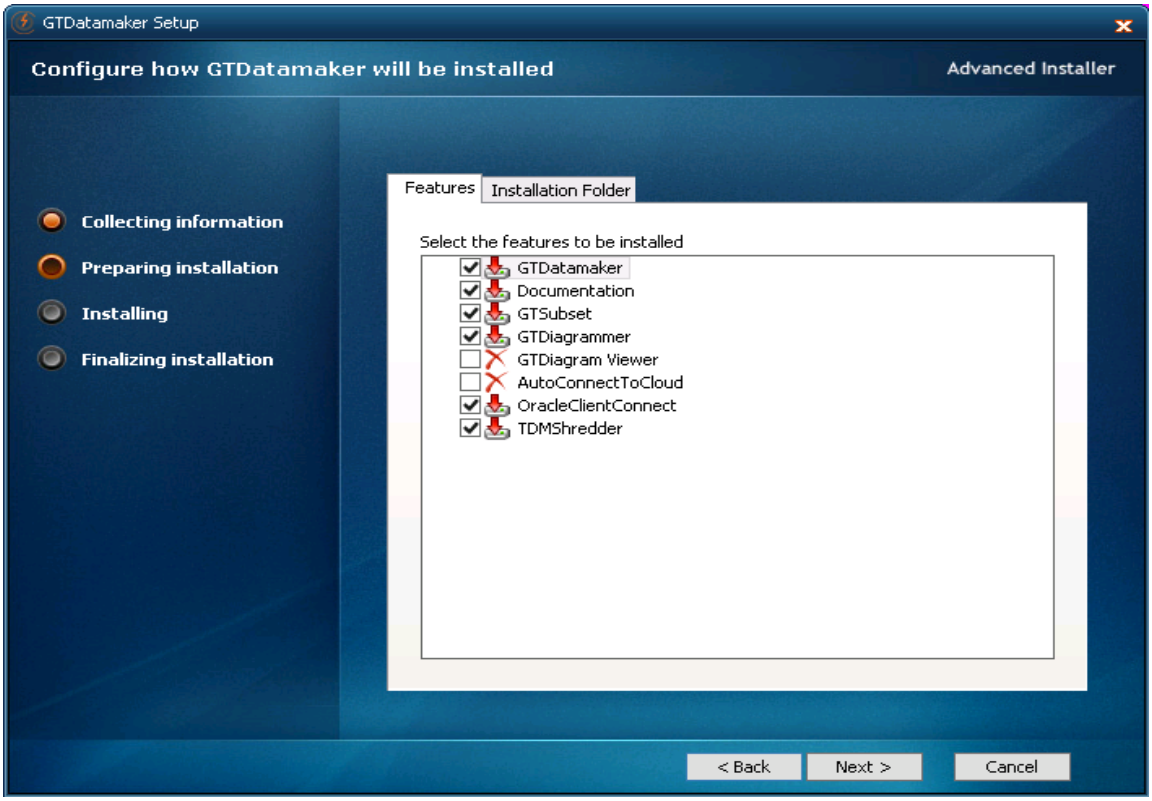

GT ALM Batch Setup
Welcome to GT ALM Batch Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GT ALM Batch Setup.
The Setup Wizard will install GT ALM Batch on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

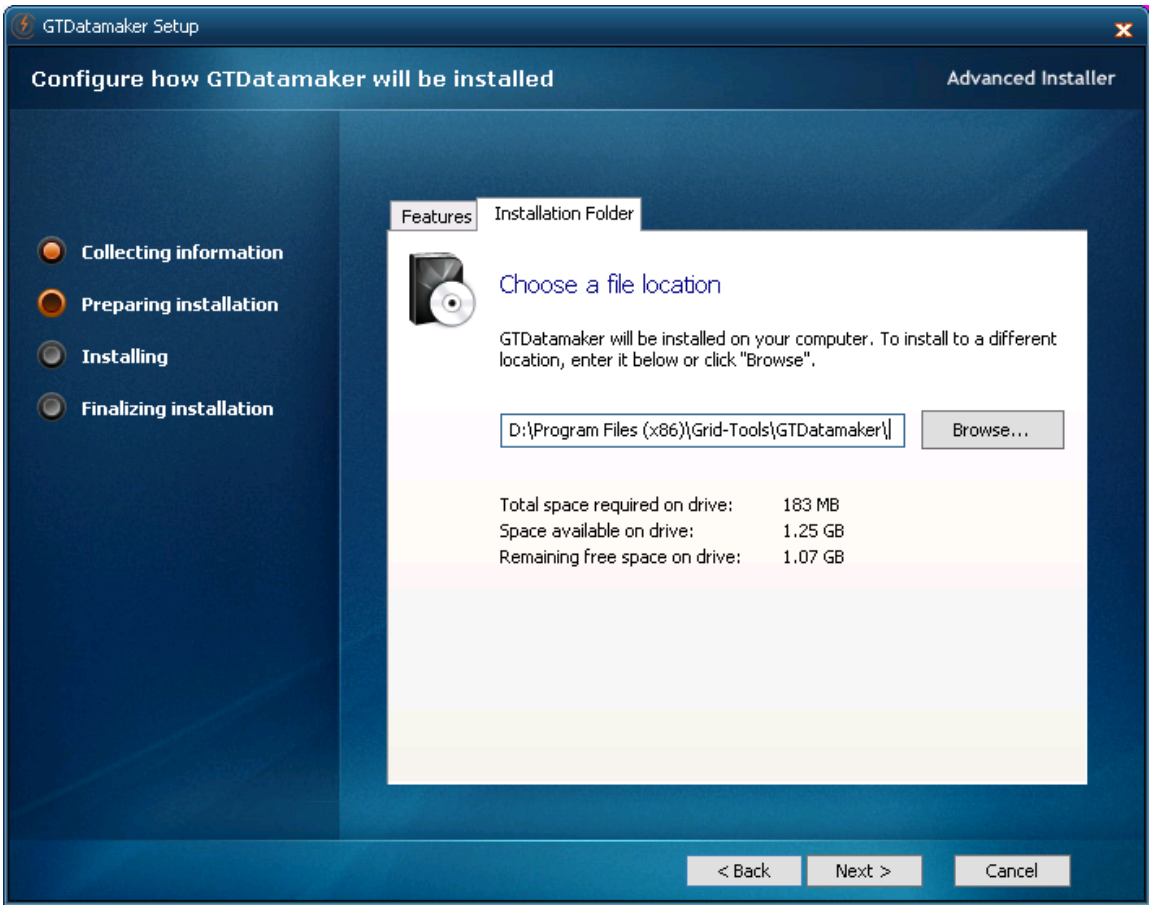

GT ALM Batch Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GT ALM Batch will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\ALMBatch\
Browse...
< Back
Next >
Cancel

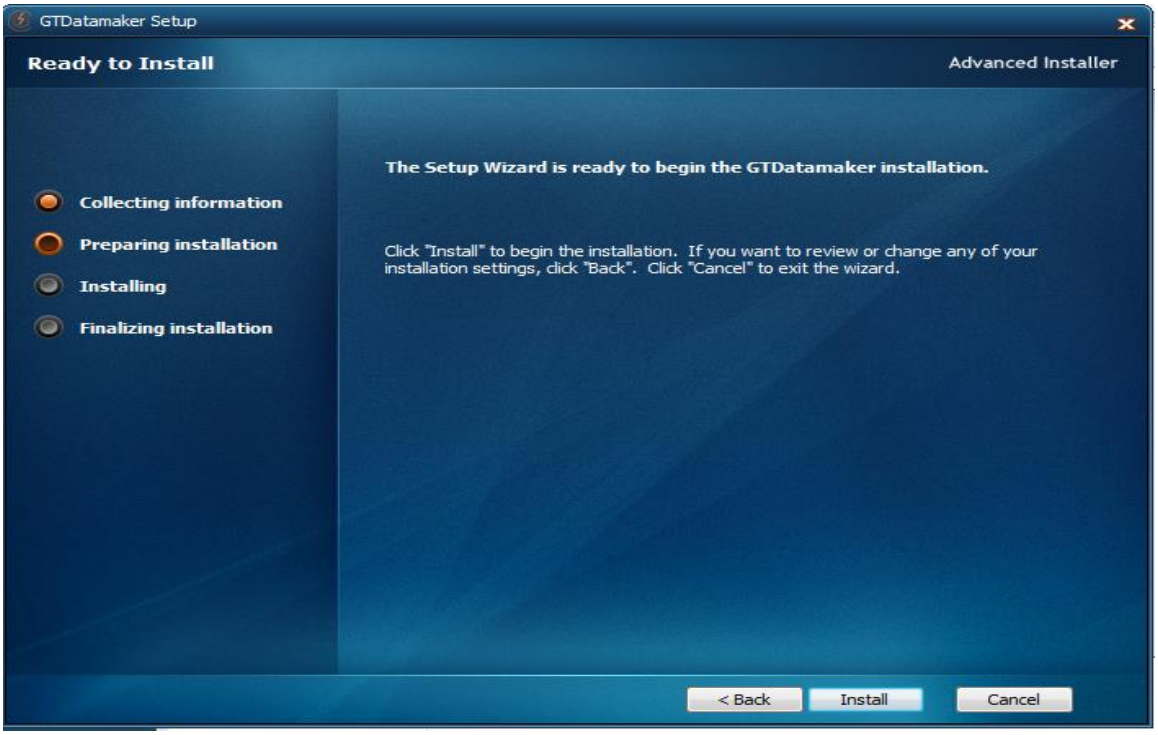

GT ALM Batch Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GT ALM Batch installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel


GT ALM Batch Setup
GT ALM Batch Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the Finish button to exit the Setup Wizard.
< Back
Finish
Cancel

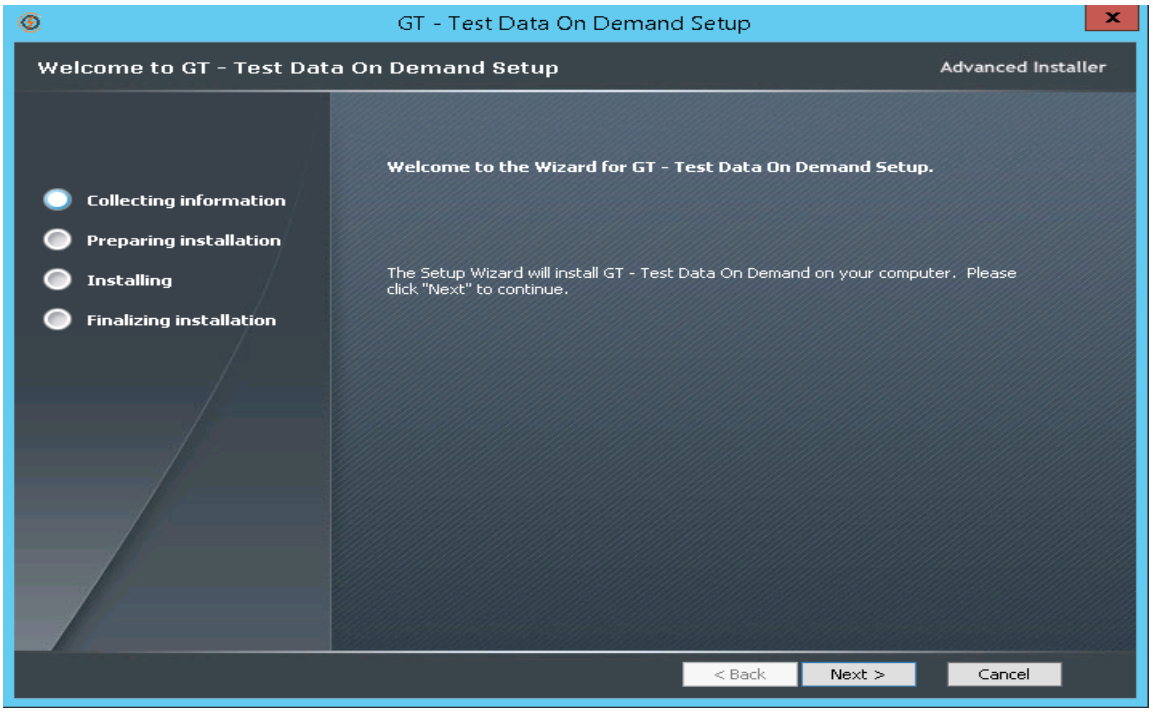

GTDatamaker Setup
Welcome to GTDatamaker Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GTDatamaker Setup.
The Setup Wizard will install GTDatamaker on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

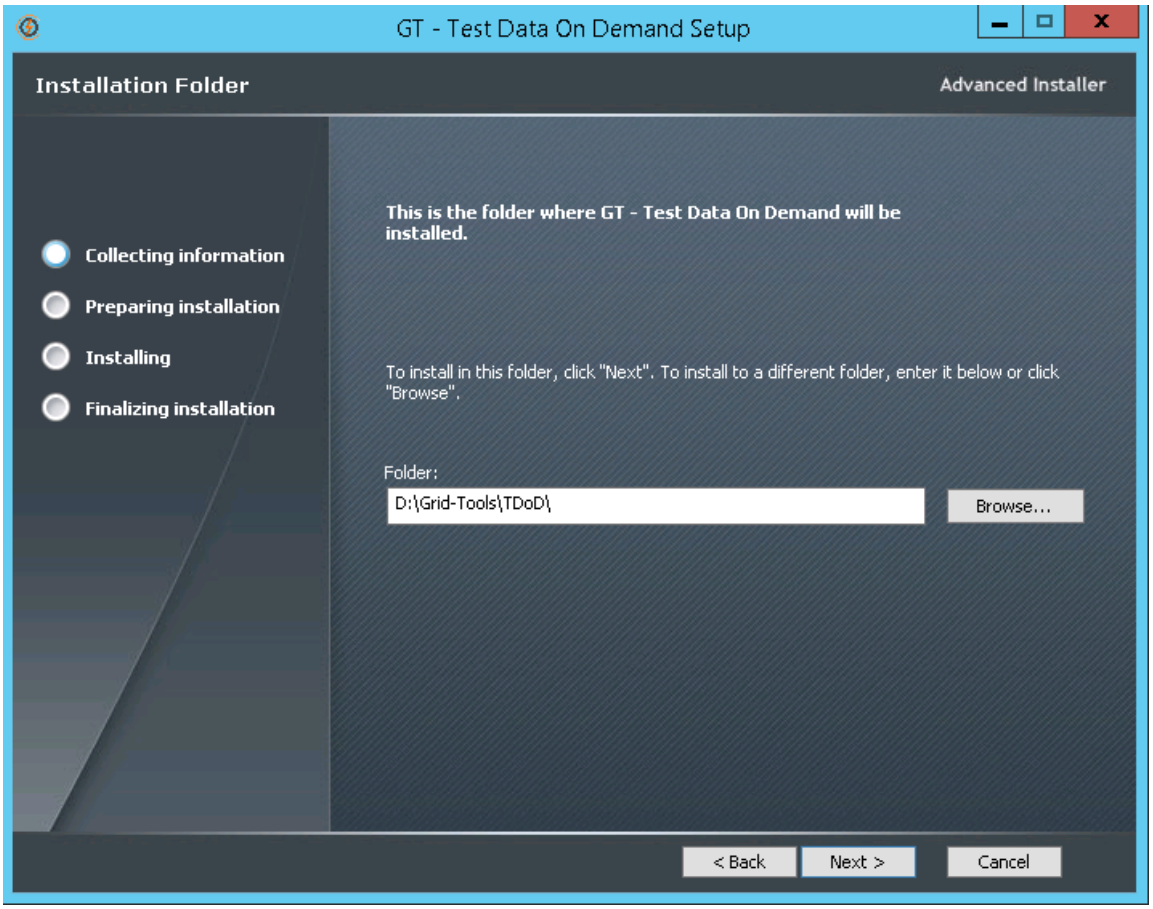

GTDatamaker Setup
Configure how GTDatamaker will be installed
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Features
Installation Folder
Select the features to be installed
GTDatamaker
Documentation
GTSubset
GTDiagrammer
GTDiagram Viewer
AutoConnectToCloud
OracleClientConnect
TDMShredder
< Back
Next >
Cancel

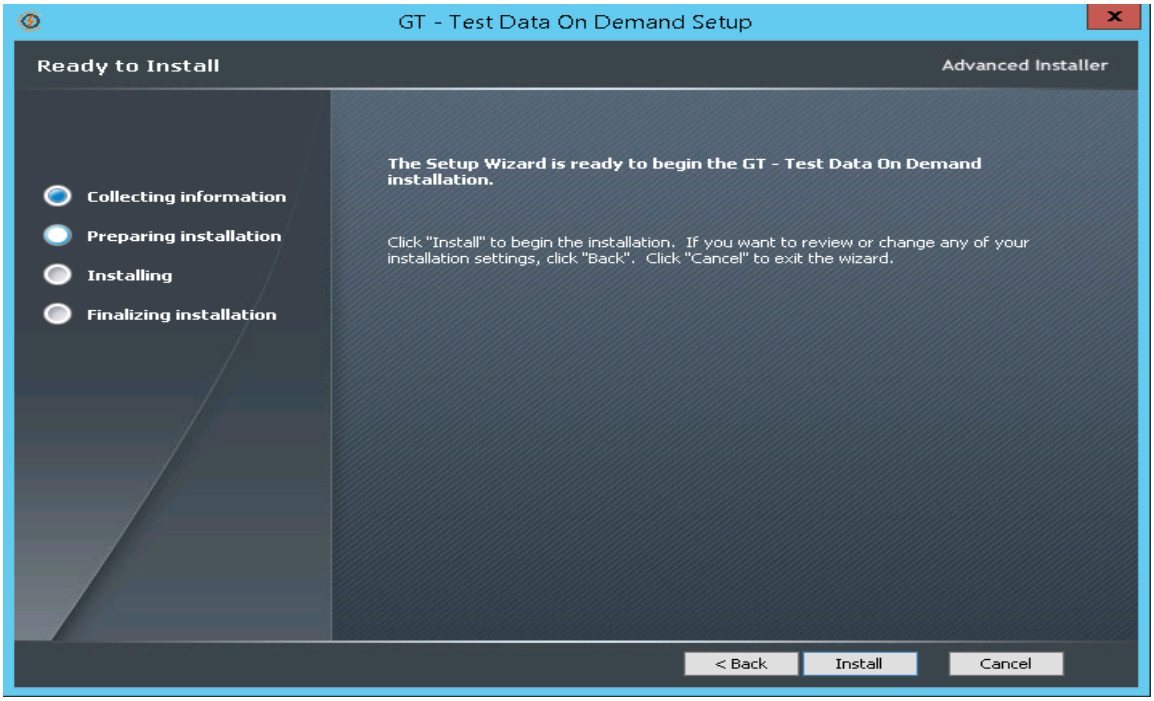

GTDatamaker Setup
Configure how GTDatamaker will be installed
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Features
Installation Folder
Choose a file location
GTDatamaker will be installed on your computer. To install to a different location, enter it below or click "Browse".
D:\Program Files (x86)\Grid-Tools\GTDatamaker\
Browse...
Total space required on drive: 183 MB
Space available on drive: 1.25 GB
Remaining free space on drive: 1.07 GB
< Back
Next >
Cancel

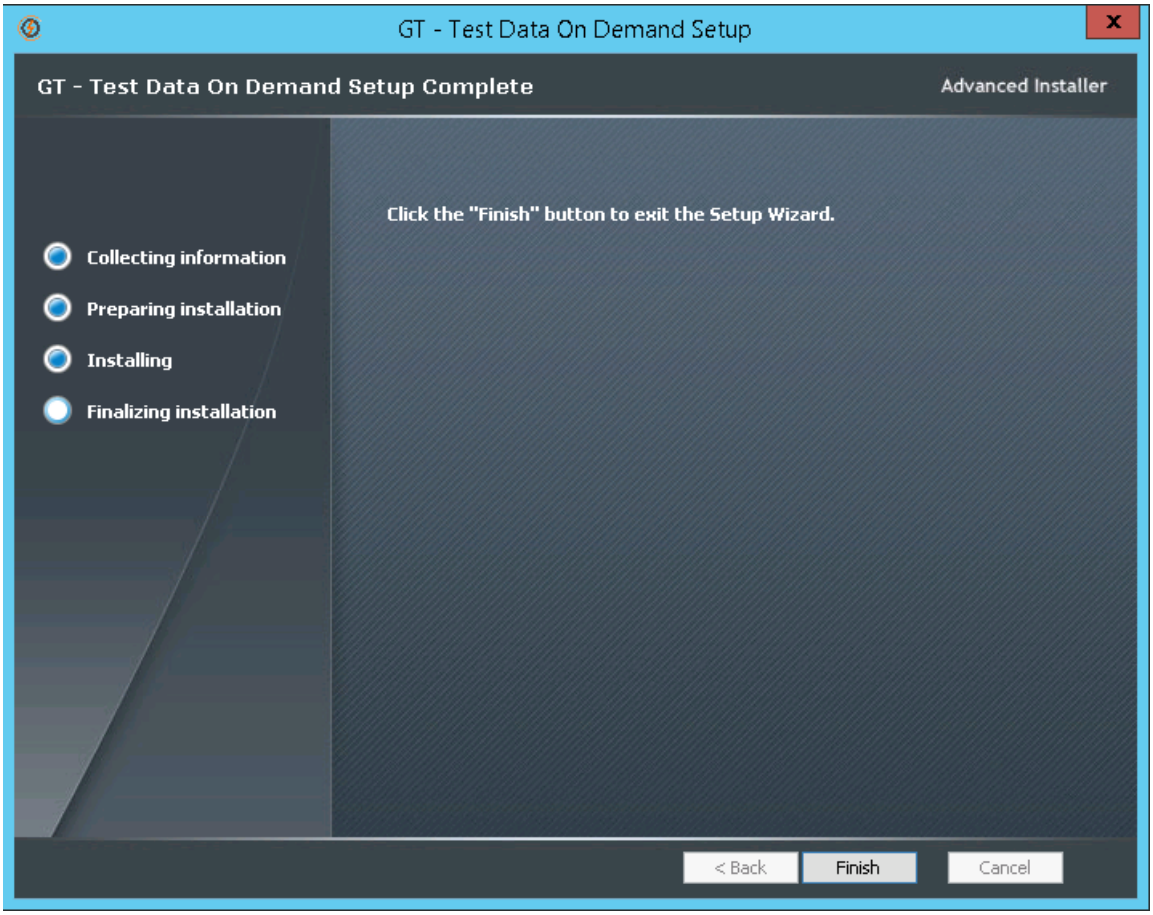

GTDatamaker Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GTDatamaker installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

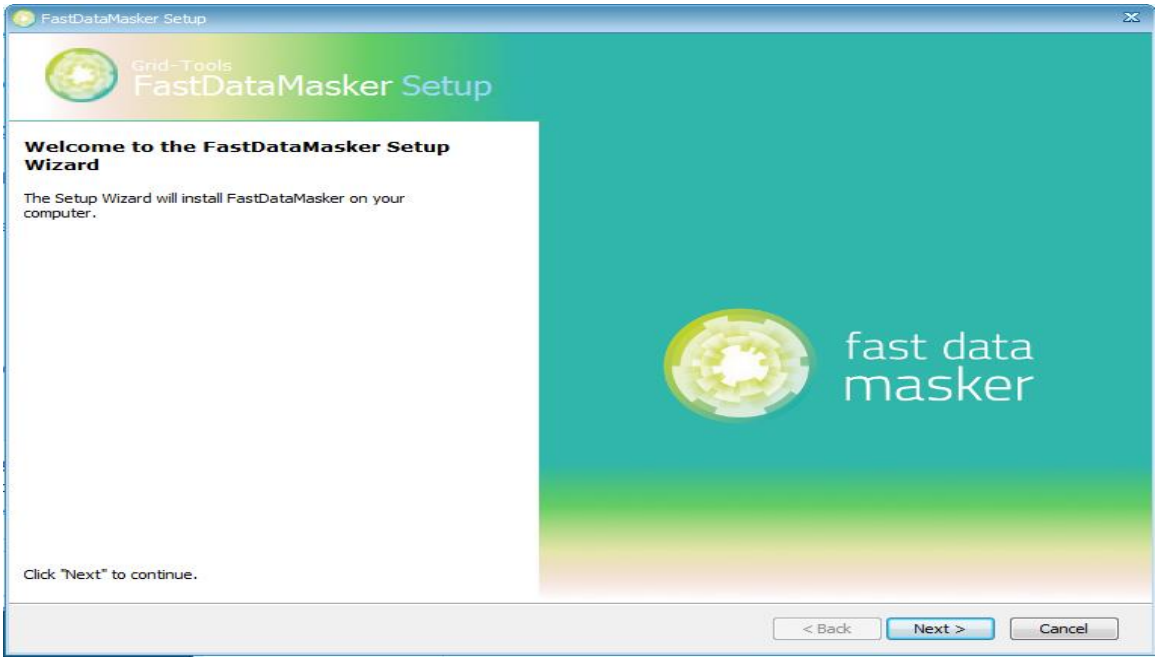
GTDatamaker Setup
GTDatamaker Setup Complete
Advanced Installer
Click the "Finish" button to exit the Setup Wizard.
Collecting information
Preparing installation
Installing
Finfinalizing installation
Launch GTDatamaker
< Back
Finish
Cancel

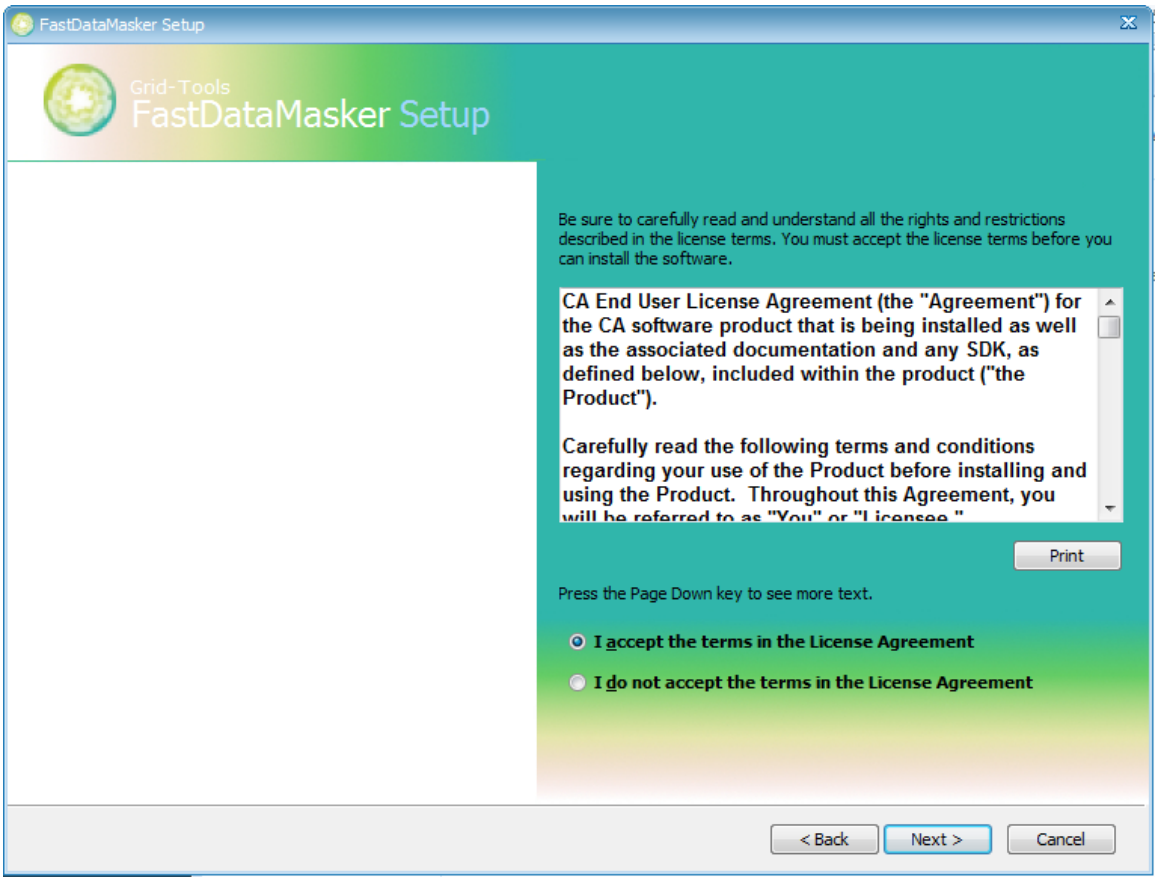

GT - Test Data On Demand Setup
Welcome to GT - Test Data On Demand Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GT - Test Data On Demand Setup.
The Setup Wizard will install GT - Test Data On Demand on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

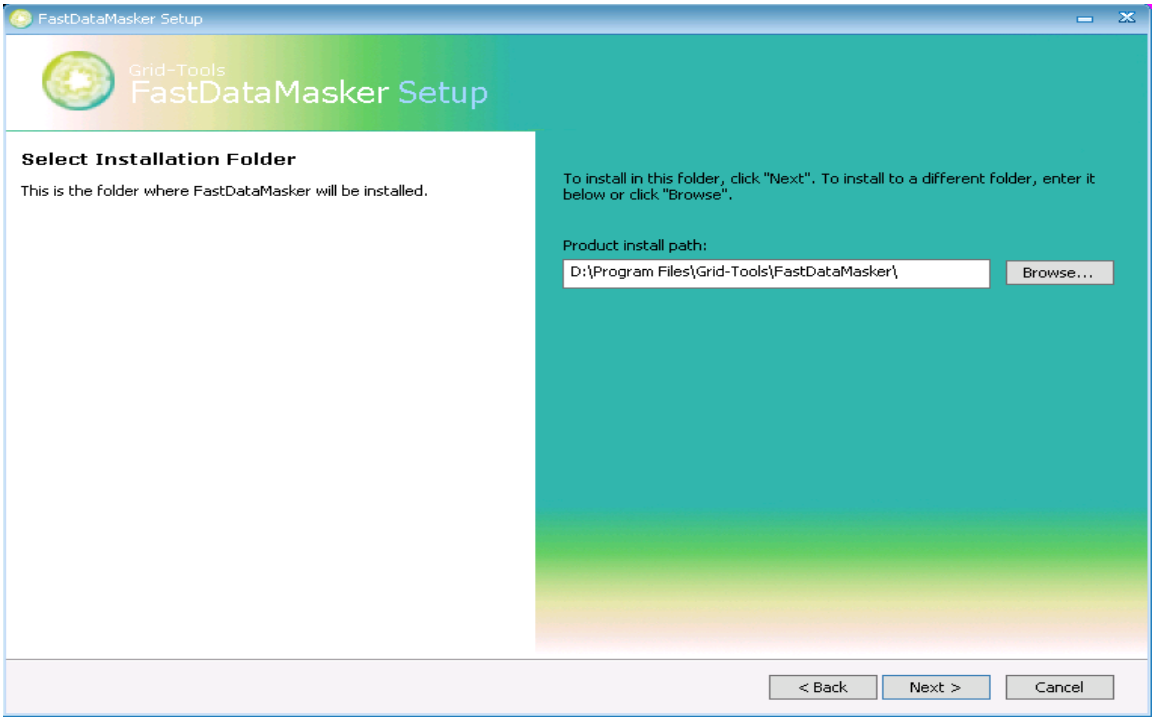

GT - Test Data On Demand Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GT - Test Data On Demand will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\TDoD\
Browse...
< Back
Next >
Cancel

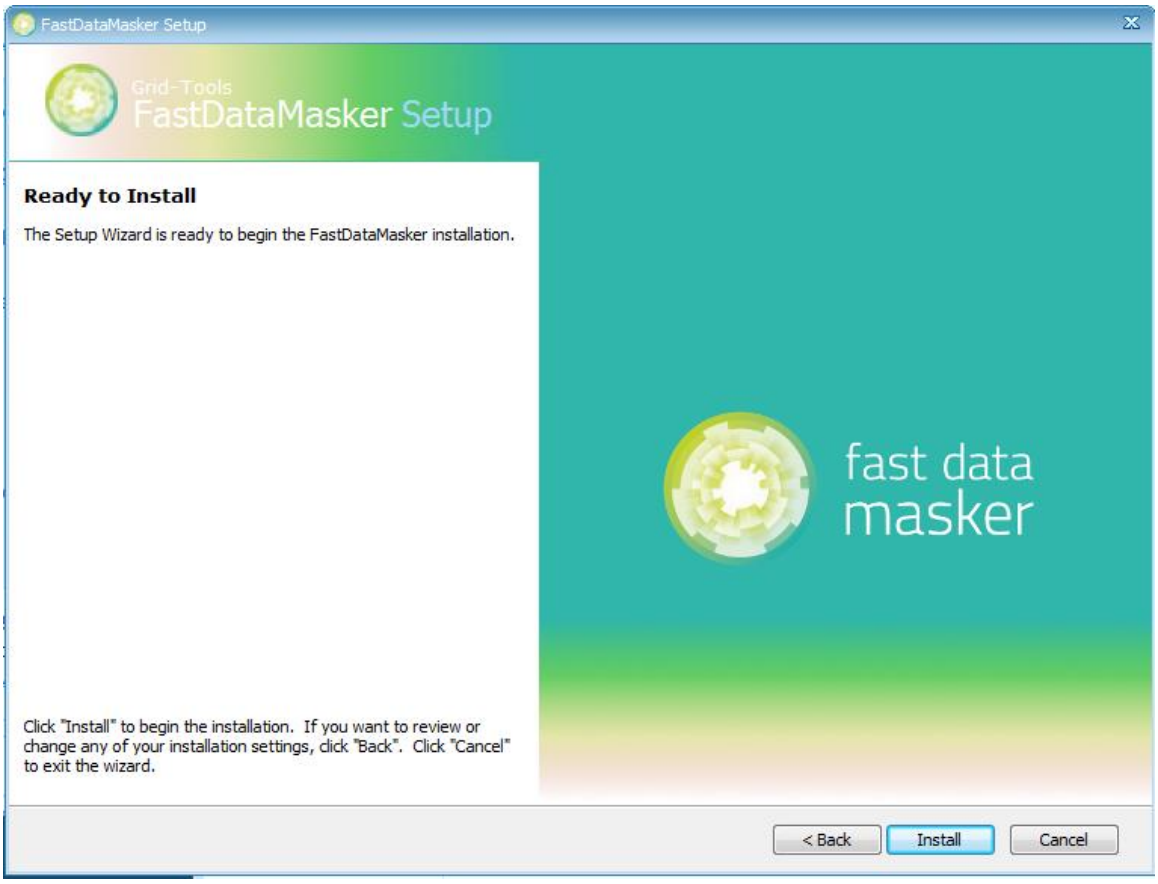

GT - Test Data On Demand Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GT - Test Data On Demand installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

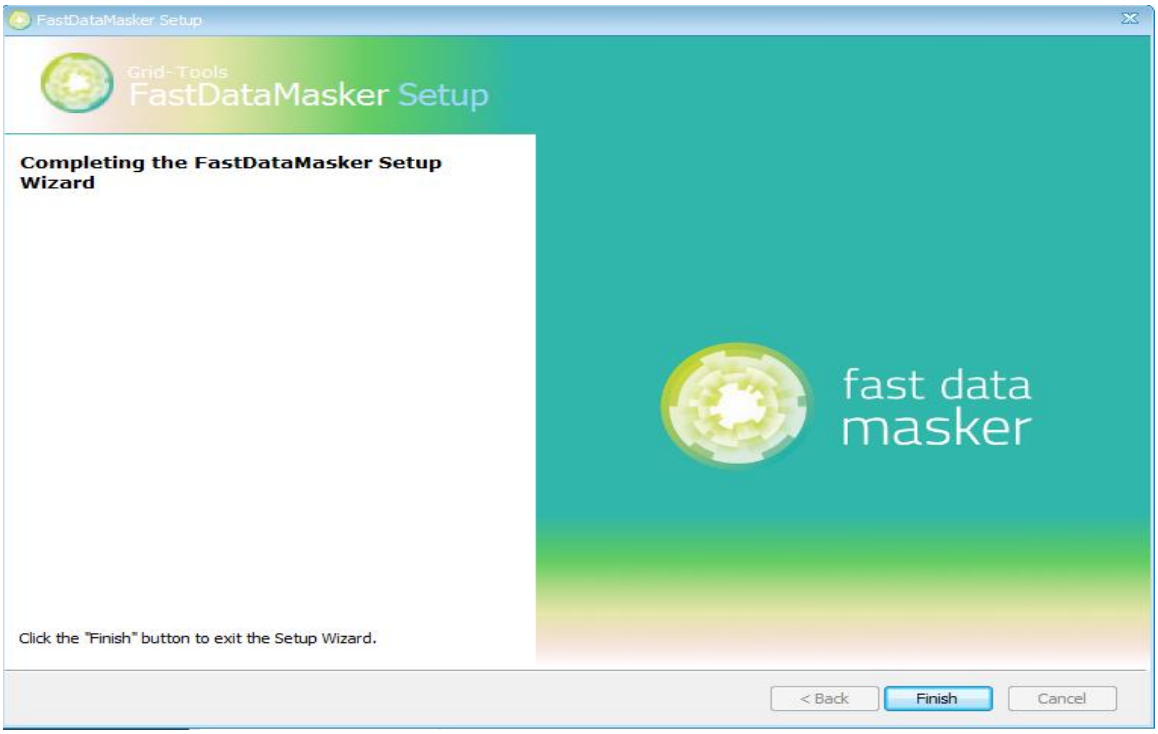

GT - Test Data On Demand Setup
GT - Test Data On Demand Setup Complete
Advanced Installer
Click the "Finish" button to exit the Setup Wizard.
Collecting information
Preparing installation
Installing
Finalizing installation
< Back
Finish
Cancel

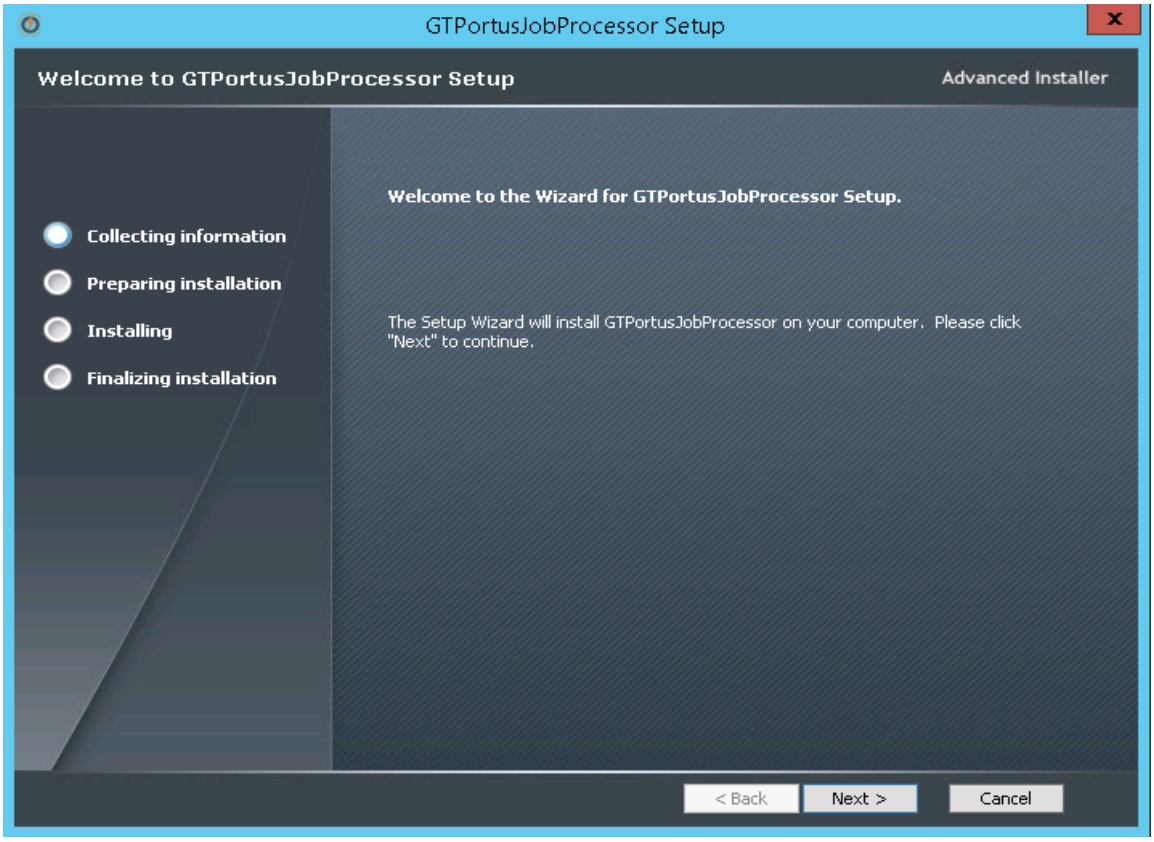

FastDataMasker Setup
Grid-Tools
FastDataMasker Setup
Welcome to the FastDataMasker Setup Wizard
The Setup Wizard will install FastDataMasker on your computer.
Click "Next" to continue.
fast data masker
< Back
Next >
Cancel

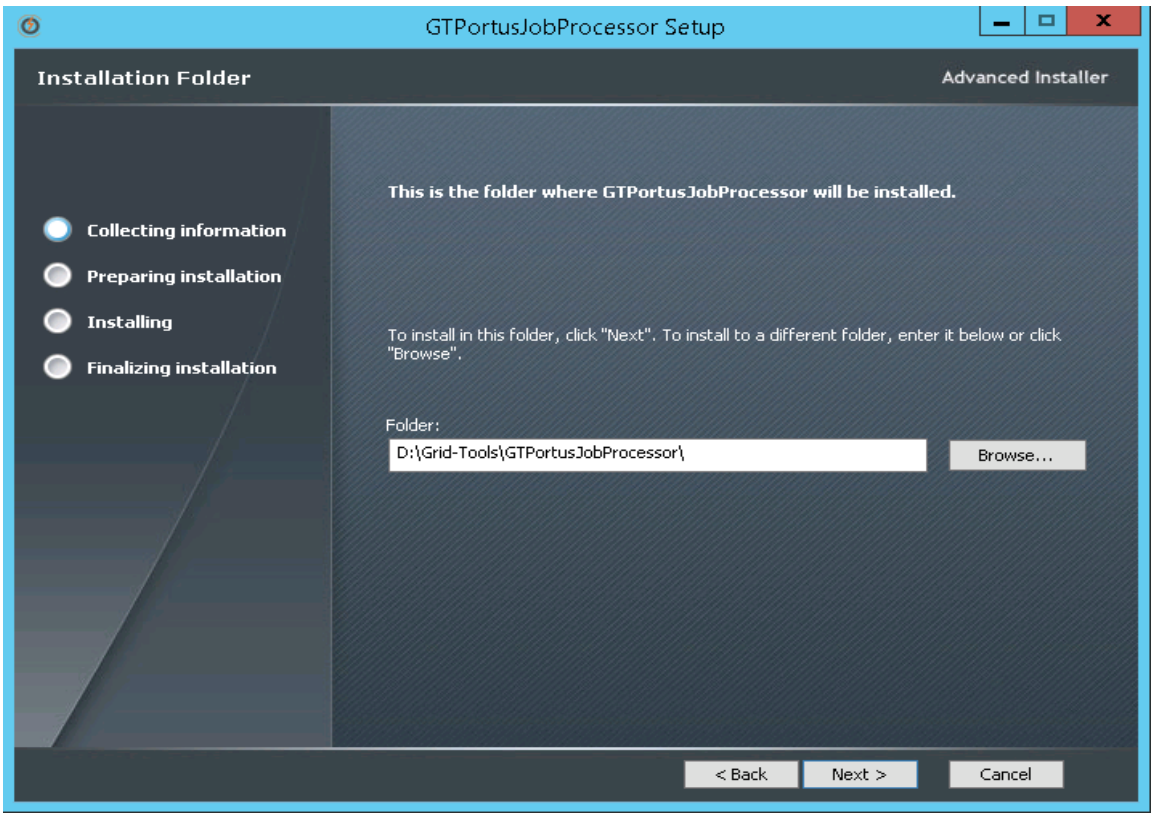

FastDataMasker Setup
Grid-Tools
FastDataMasker Setup
Be sure to carefully read and understand all the rights and restrictions described in the license terms. You must accept the license terms before you can install the software.
CA End User License Agreement (the "Agreement") for the CA software product that is being installed as well as the associated documentation and any SDK, as defined below, included within the product ("the Product").
Carefully read the following terms and conditions regarding your use of the Product before installing and using the Product. Throughout this Agreement, you
Print
Press the Page Down key to see more text.
I accept the terms in the License Agreement
I do not accept the terms in the License Agreement
< Back
Next >
Cancel

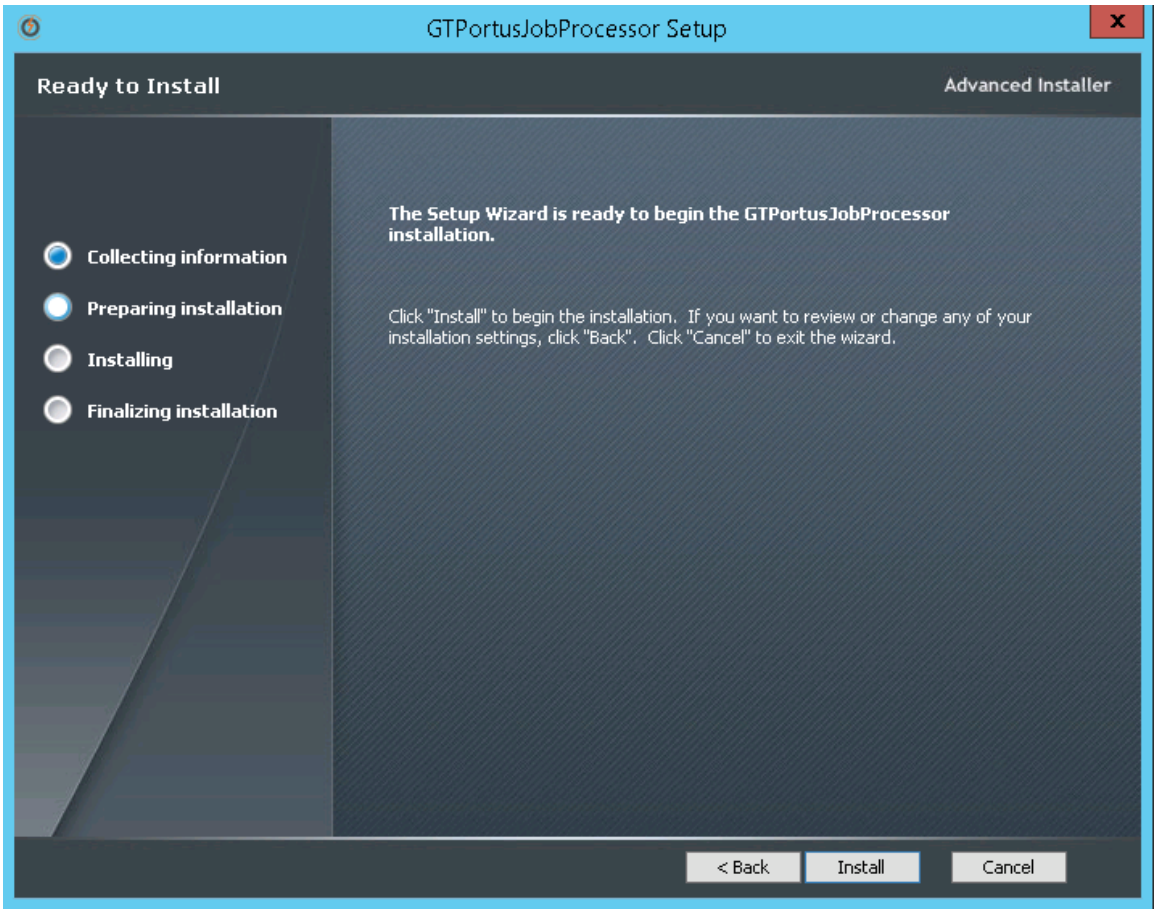

FastDataMasker Setup
Grid-Tools
FastDataMasker Setup
Select Installation Folder
This is the folder where FastDataMasker will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Product install path:
D:\Program Files\Grid-Tools\FastDataMasker\
Browse...
< Back
Next >
Cancel

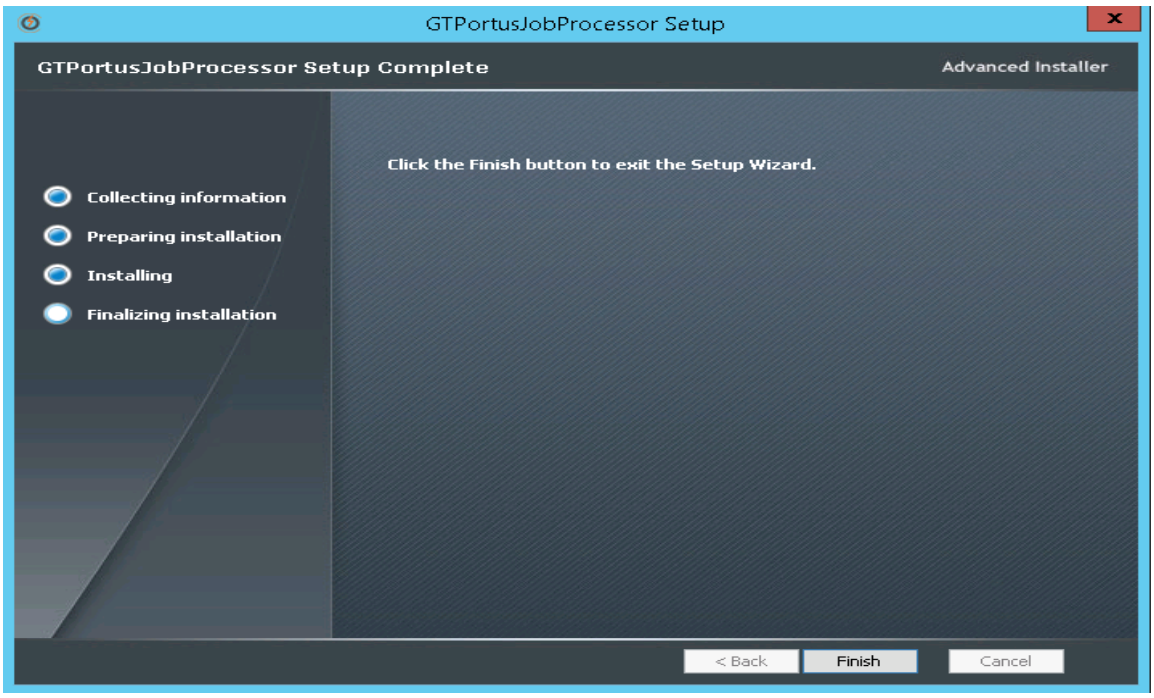

FastDataMasker Setup
Grid-Tools
FastDataMasker Setup
Ready to Install
The Setup Wizard is ready to begin the FastDataMasker installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
fast data masker
< Back
Install
Cancel

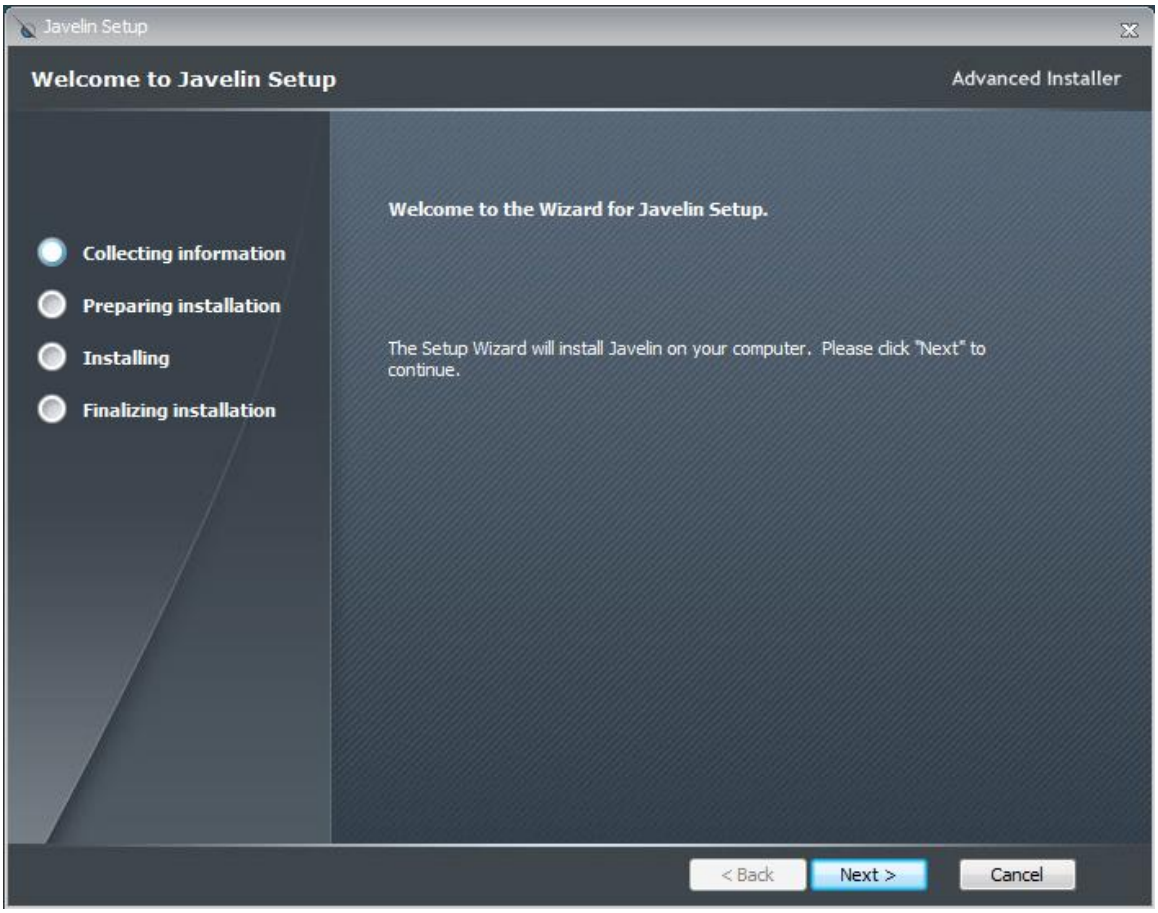

FastDataMasker Setup
Grid-Tools
FastDataMasker Setup
Completing the FastDataMasker Setup Wizard
Click the "Finish" button to exit the Setup Wizard.
fast data masker
< Back
Finish
Cancel

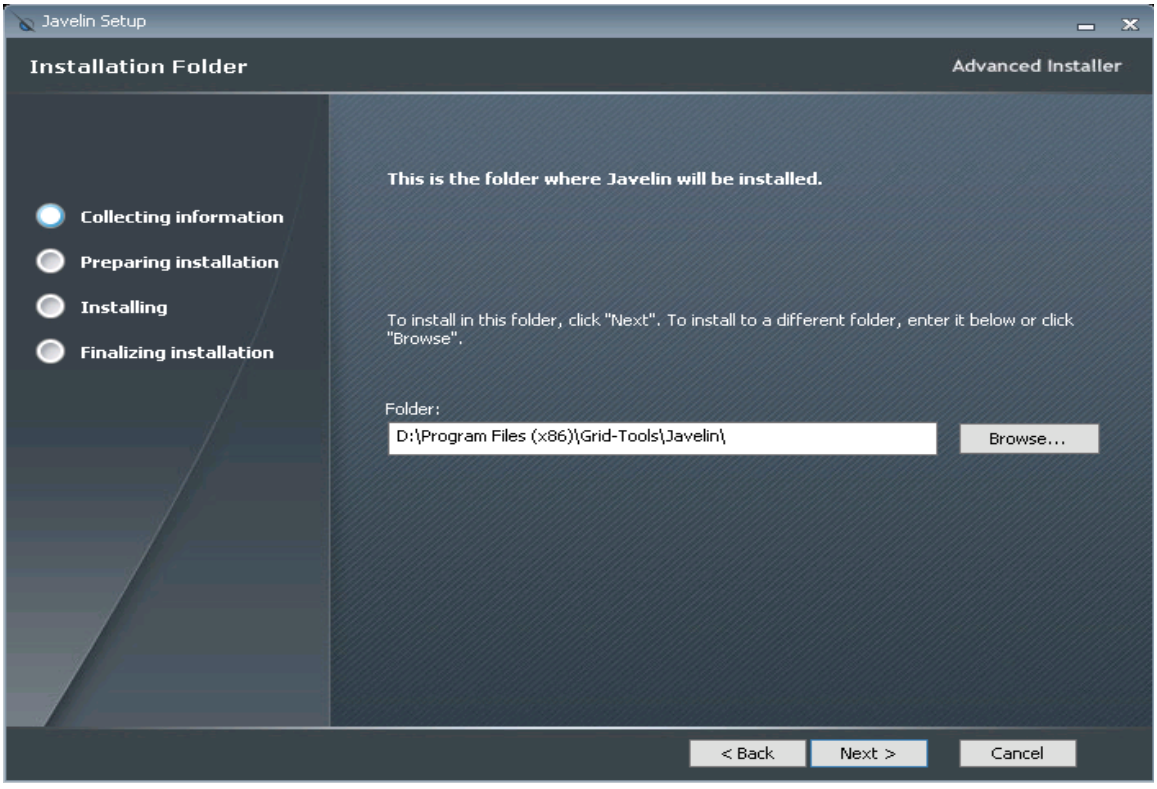

GTPortusJobProcessor Setup
Welcome to GTPortusJobProcessor Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GTPortusJobProcessor Setup.
The Setup Wizard will install GTPortusJobProcessor on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

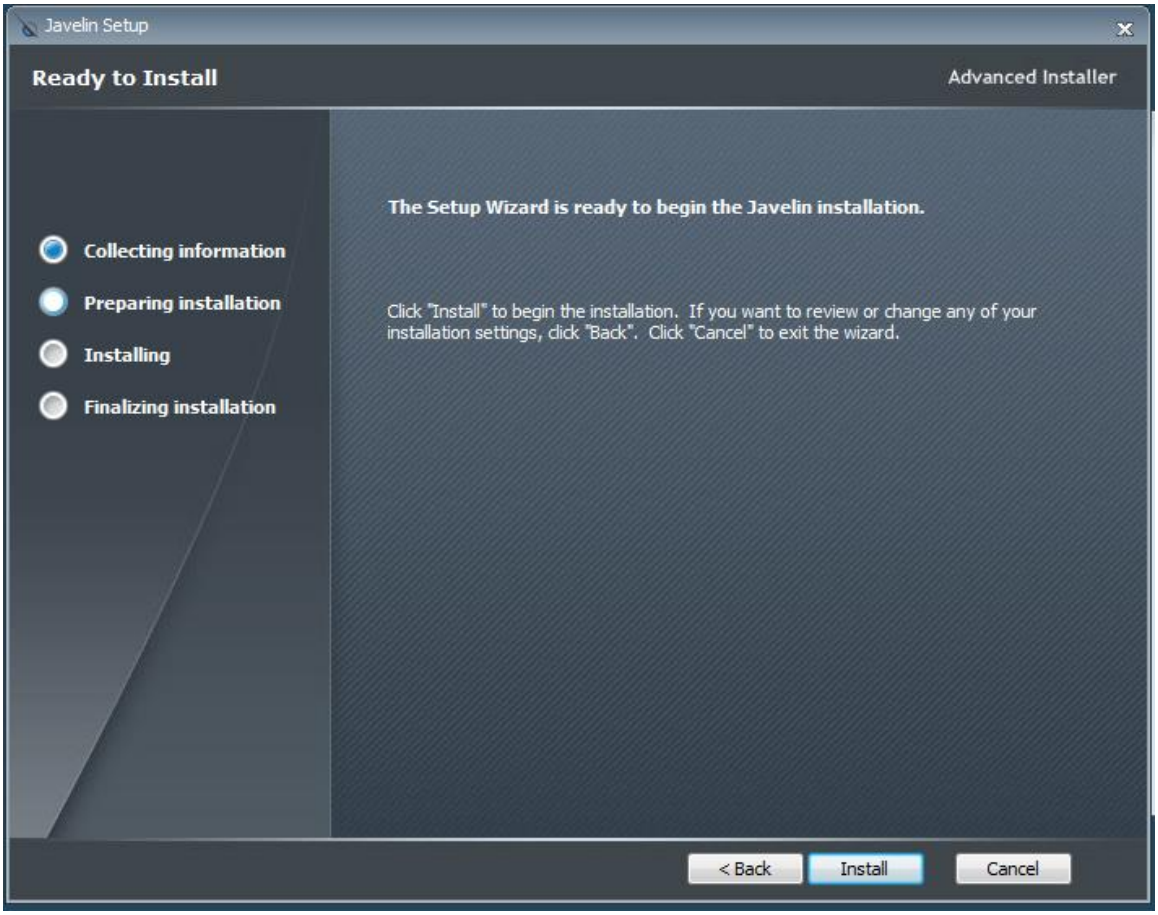

GTPortusJobProcessor Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GTPortusJobProcessor will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\GTPortusJobProcessor\
Browse...
< Back
Next >
Cancel

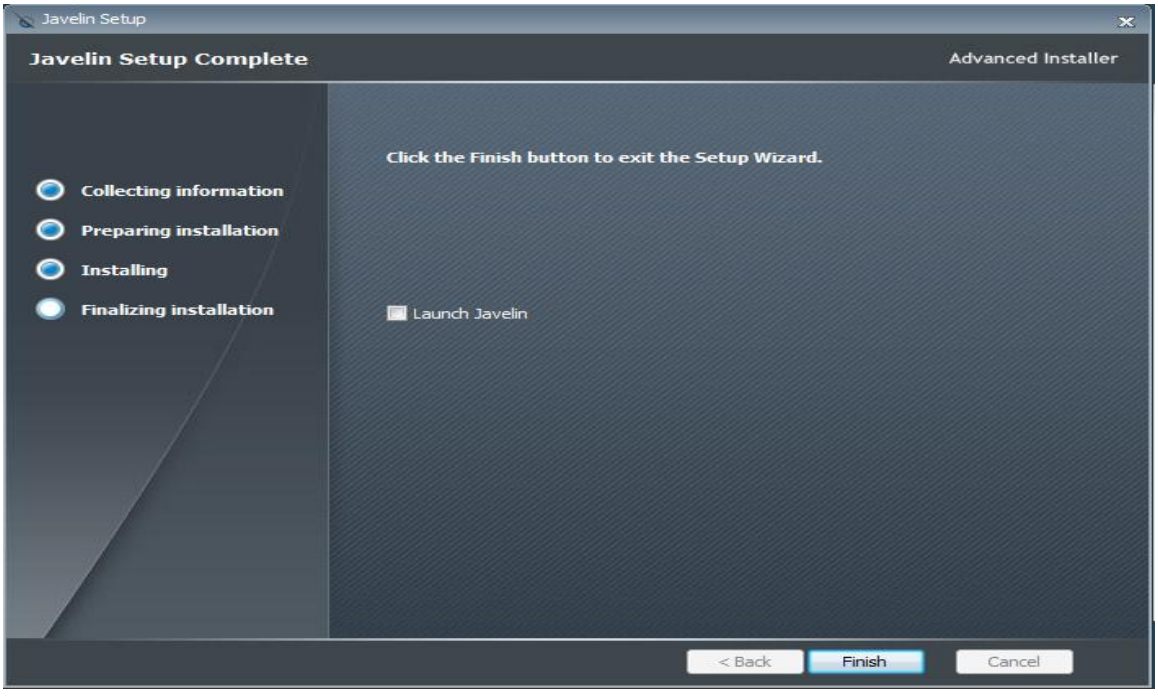

GTPortusJobProcessor Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GTPortusJobProcessor installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

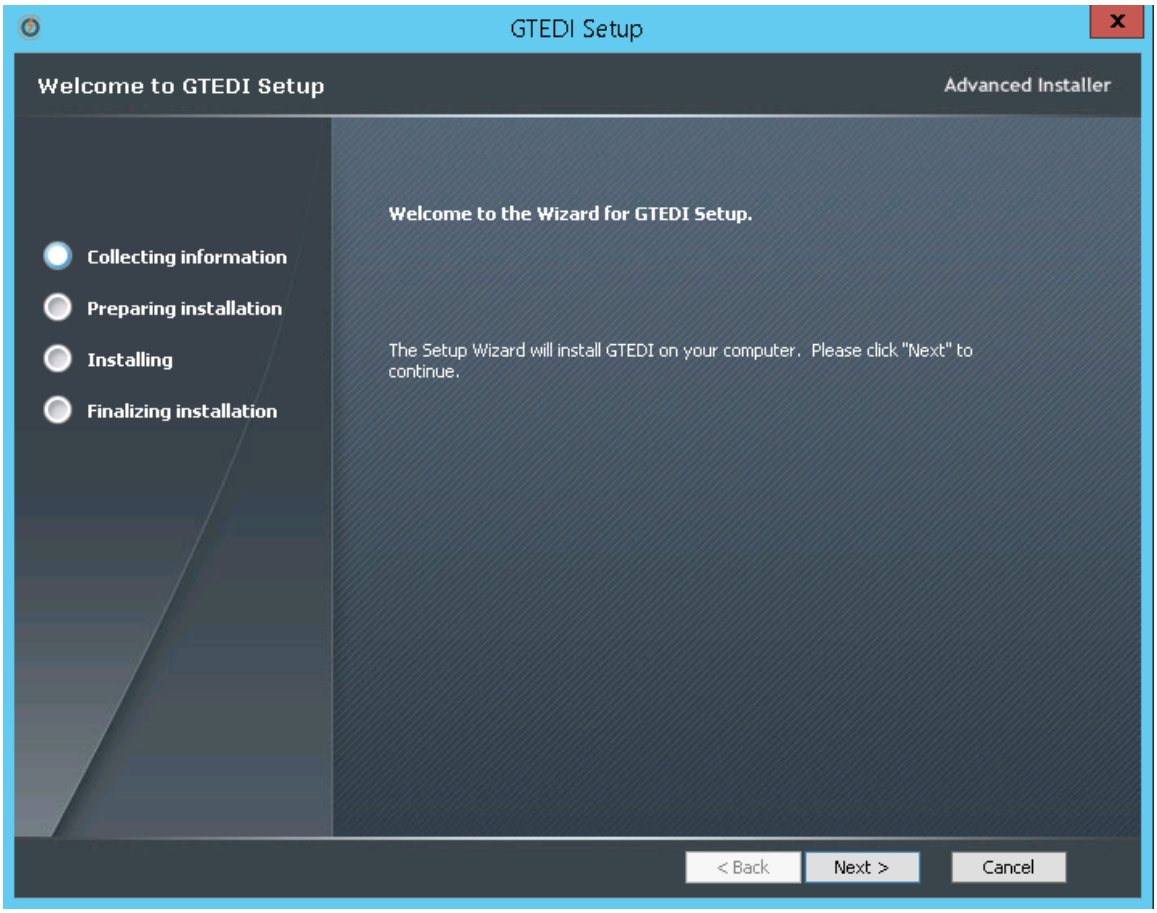

GTPortusJobProcessor Setup
GTPortusJobProcessor Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the Finish button to exit the Setup Wizard.
< Back
Finish
Cancel

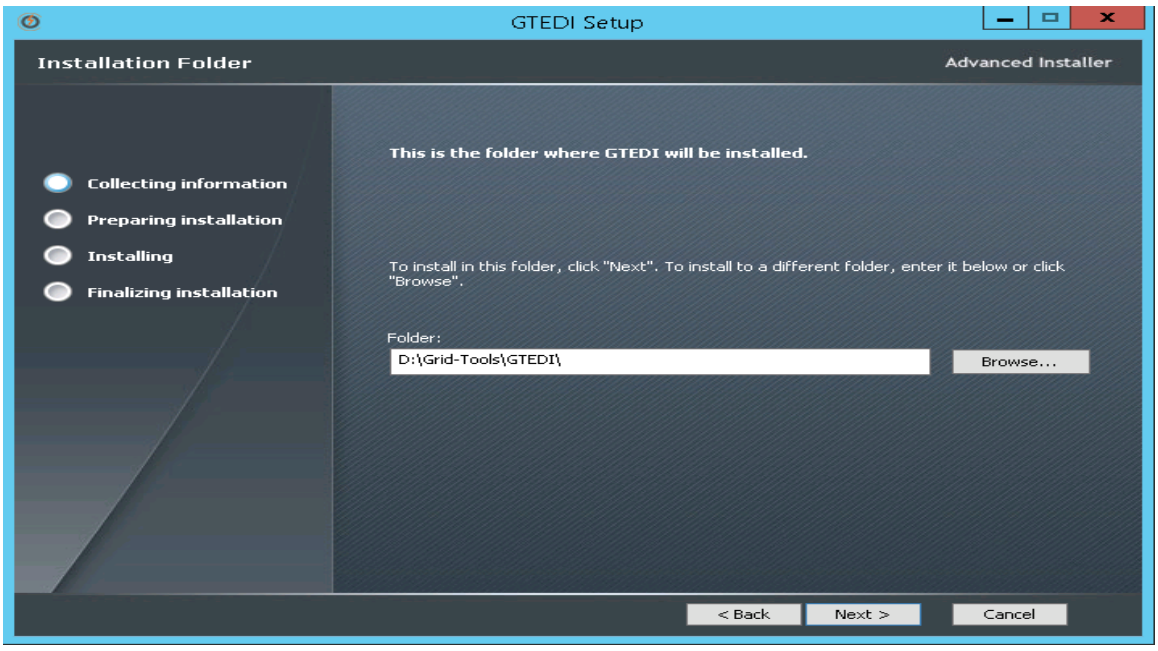

Javelin Setup
Welcome to Javelin Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for Javelin Setup.
The Setup Wizard will install Javelin on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

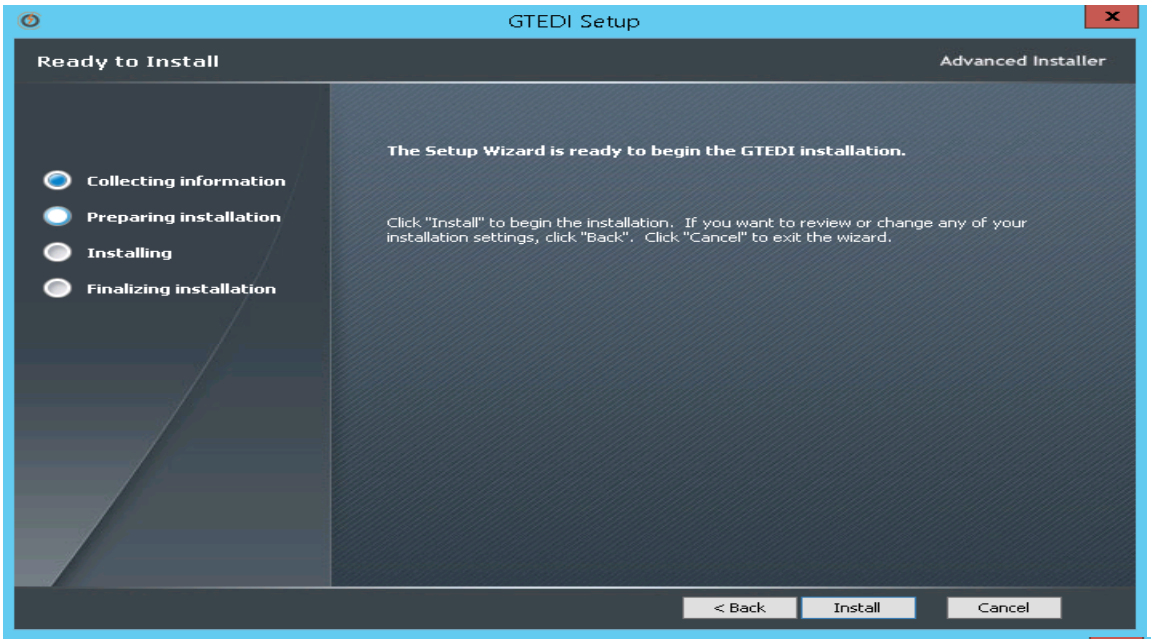

Javelin Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where Javelin will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Program Files (x86)\Grid-Tools\Javelin\
Browse...
< Back
Next >
Cancel

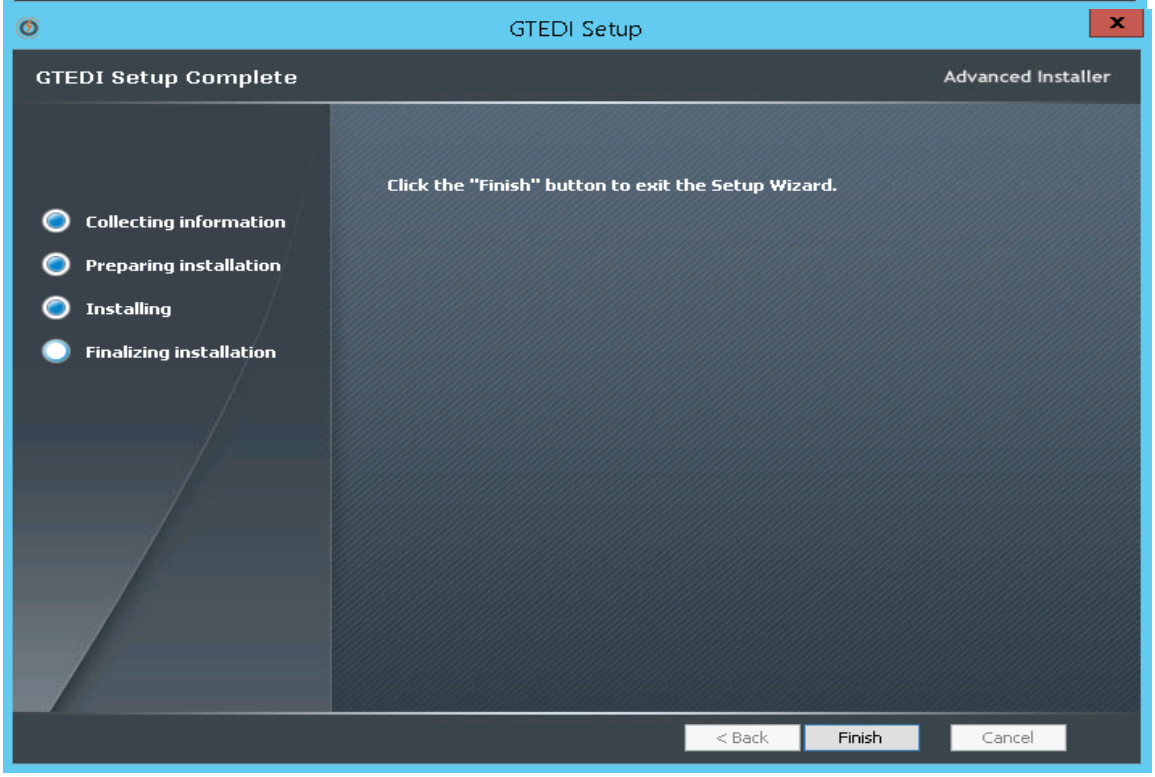

Javelin Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the Javelin installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

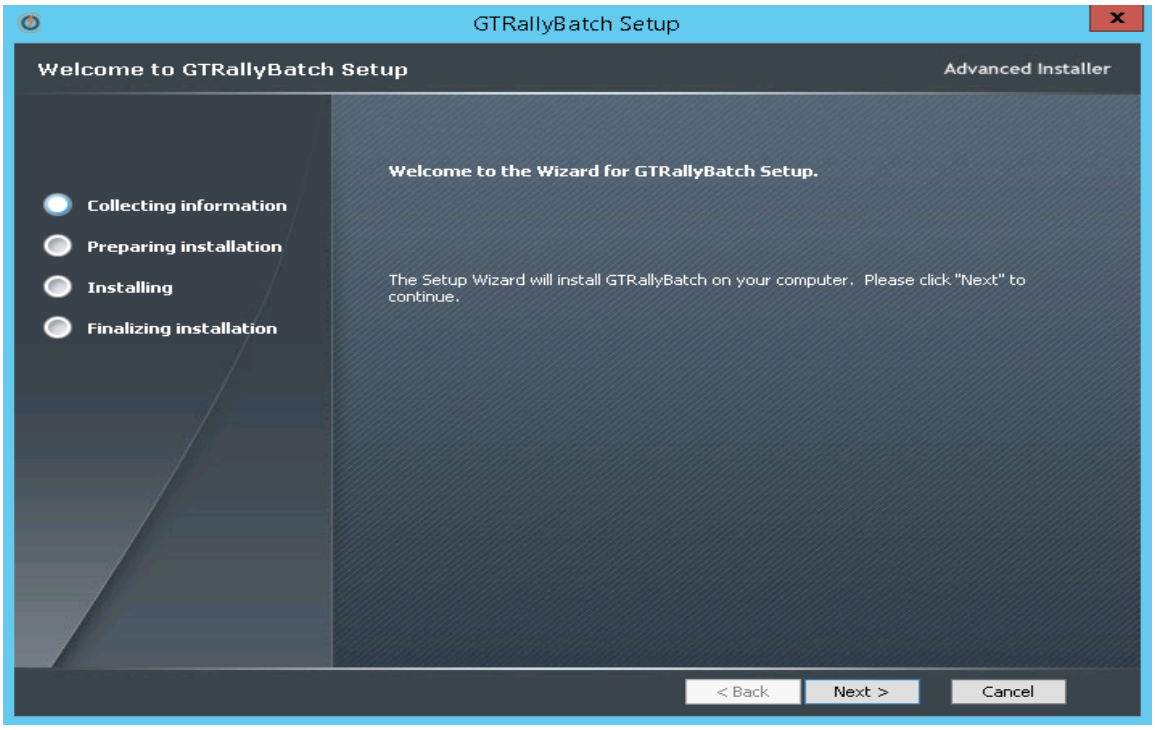

Javelin Setup
Javelin Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the Finish button to exit the Setup Wizard.
Launch Javelin
< Back
Finish
Cancel

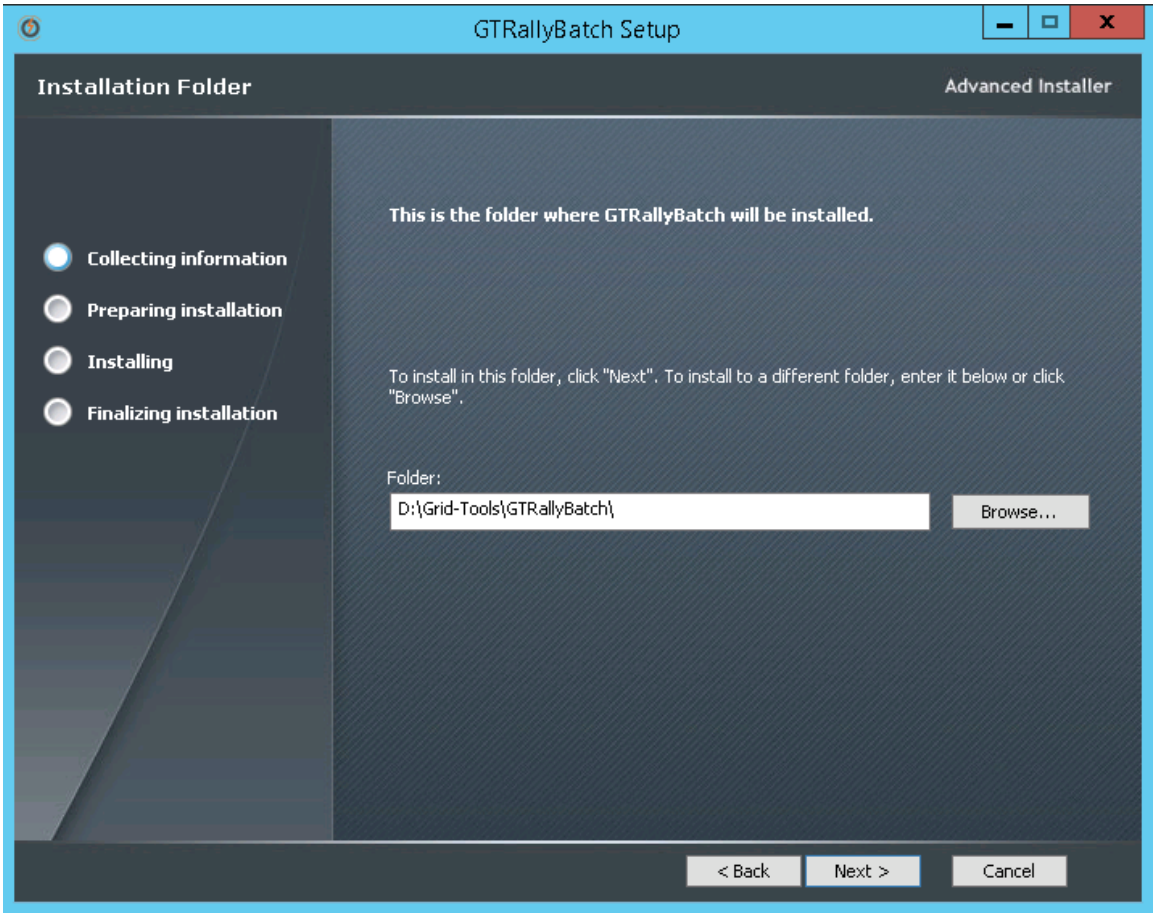

GTEDI Setup
Welcome to GTEDI Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GTEDI Setup.
The Setup Wizard will install GTEDI on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

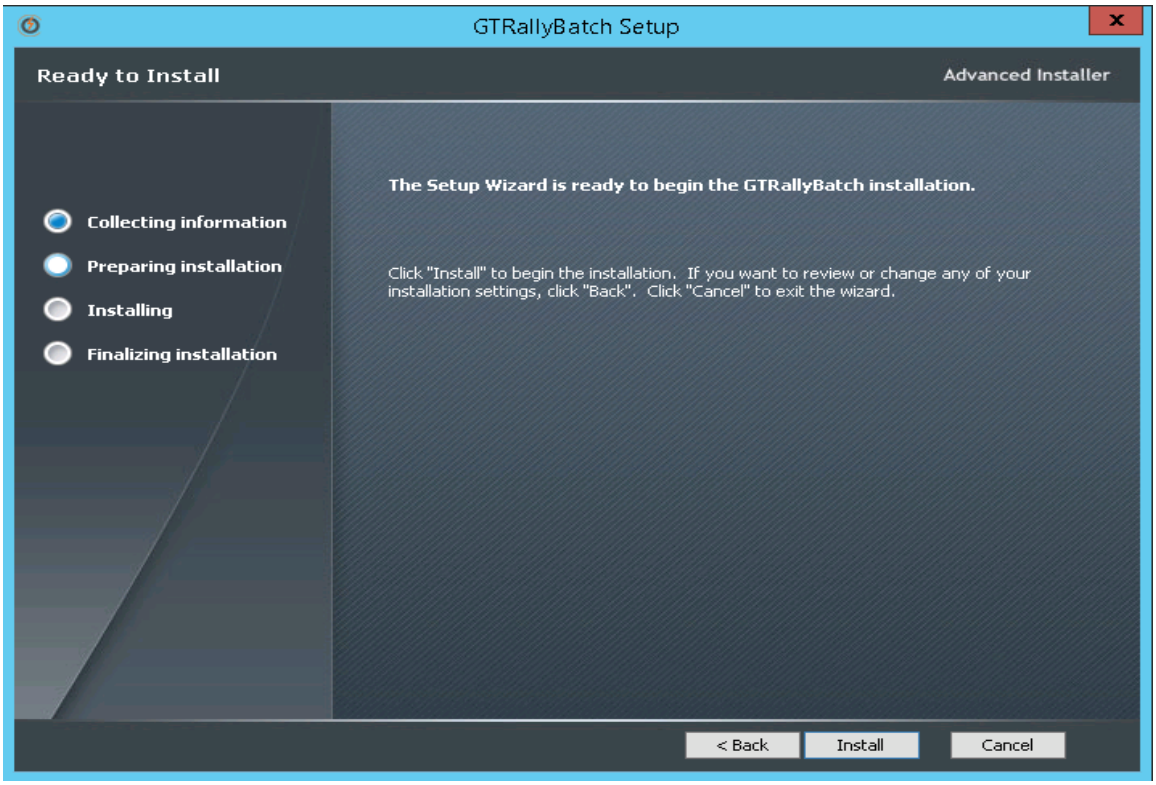

GTEDI Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GTEDI will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\GTEDI\
Browse...
< Back
Next >
Cancel

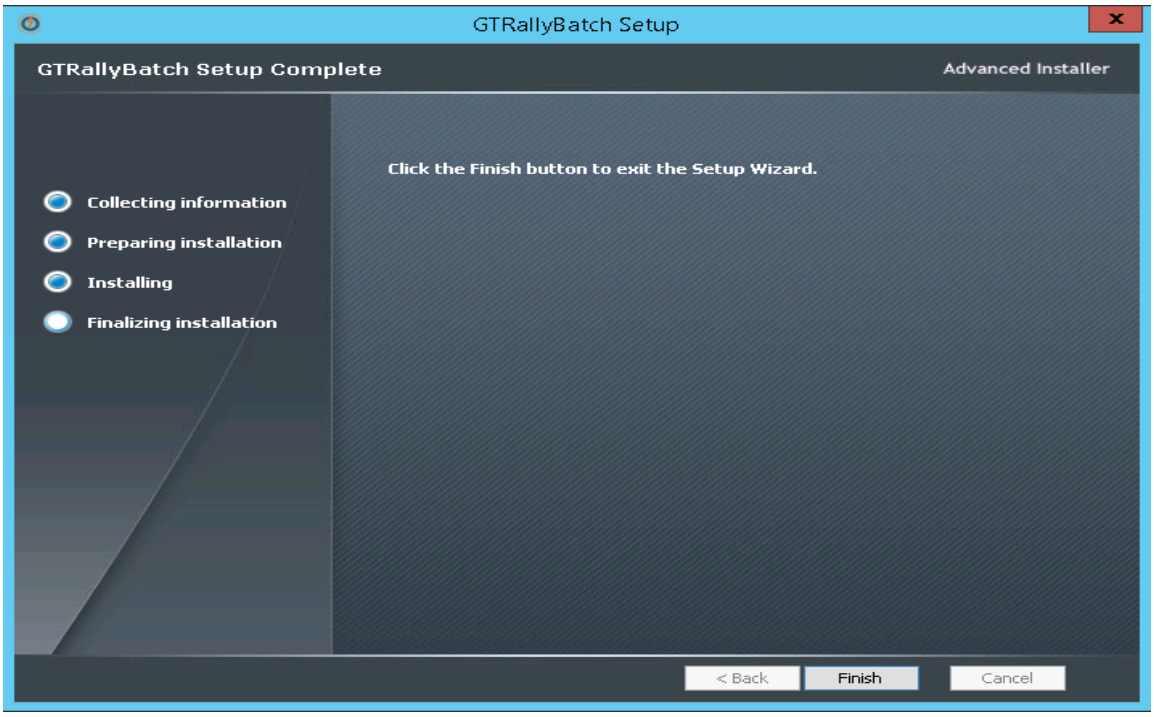

GTEDI Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GTEDI installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel

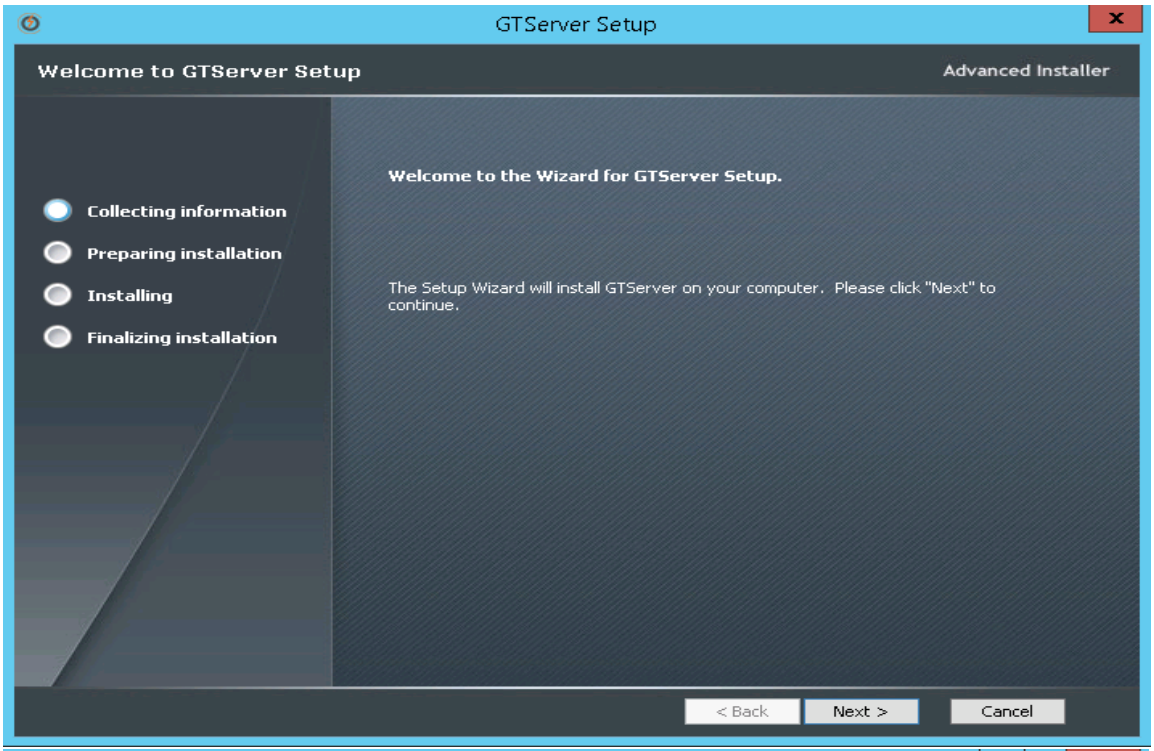

GTEDI Setup
GTEDI Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the "Finish" button to exit the Setup Wizard.
< Back
Finish
Cancel

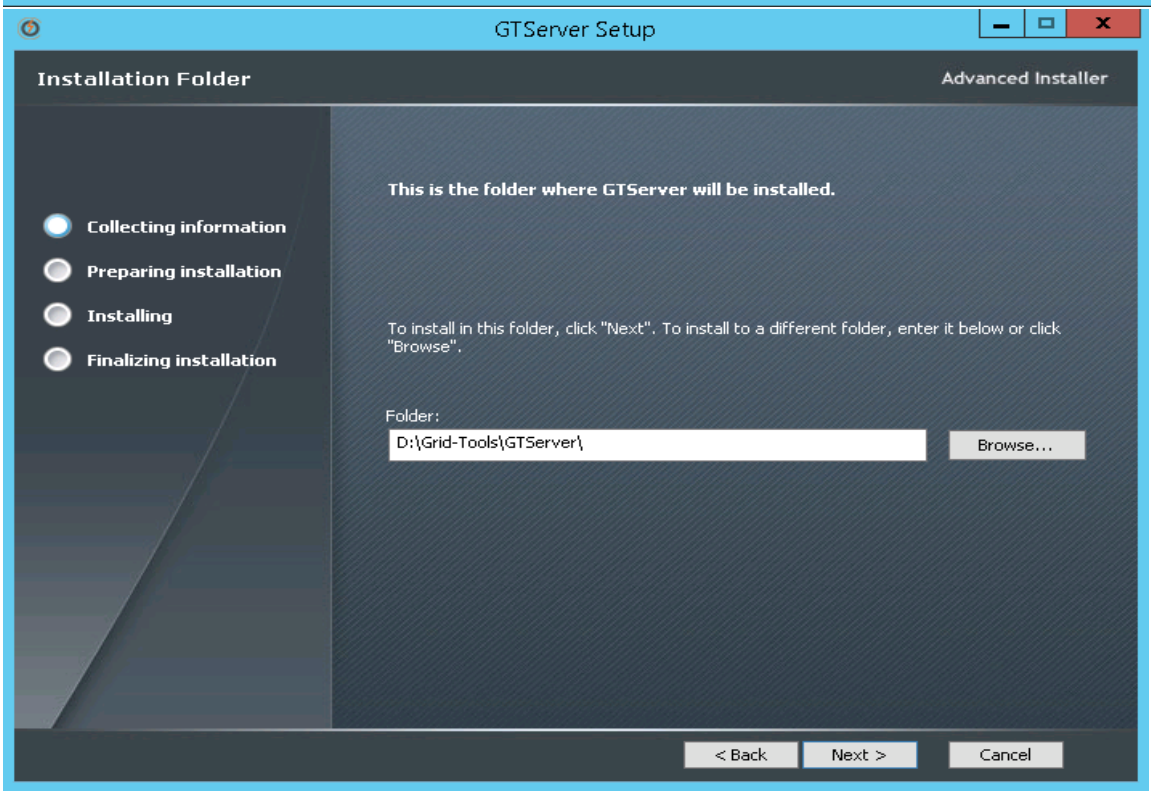

GTRallyBatch Setup
Welcome to GTRallyBatch Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GTRallyBatch Setup.
The Setup Wizard will install GTRallyBatch on your computer. Please click "Next" to continue.
< Back
Next >
Cancel

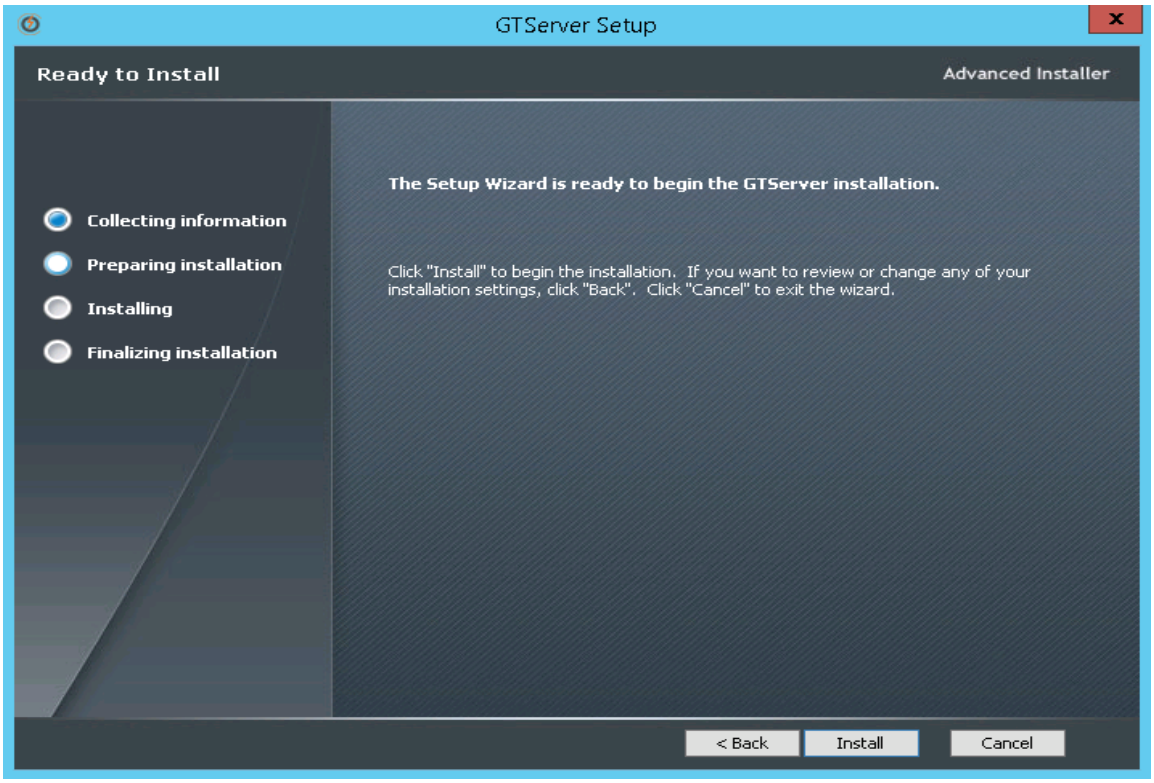

GTRallyBatch Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GTRallyBatch will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\GTRallyBatch\
Browse...
< Back
Next >
Cancel

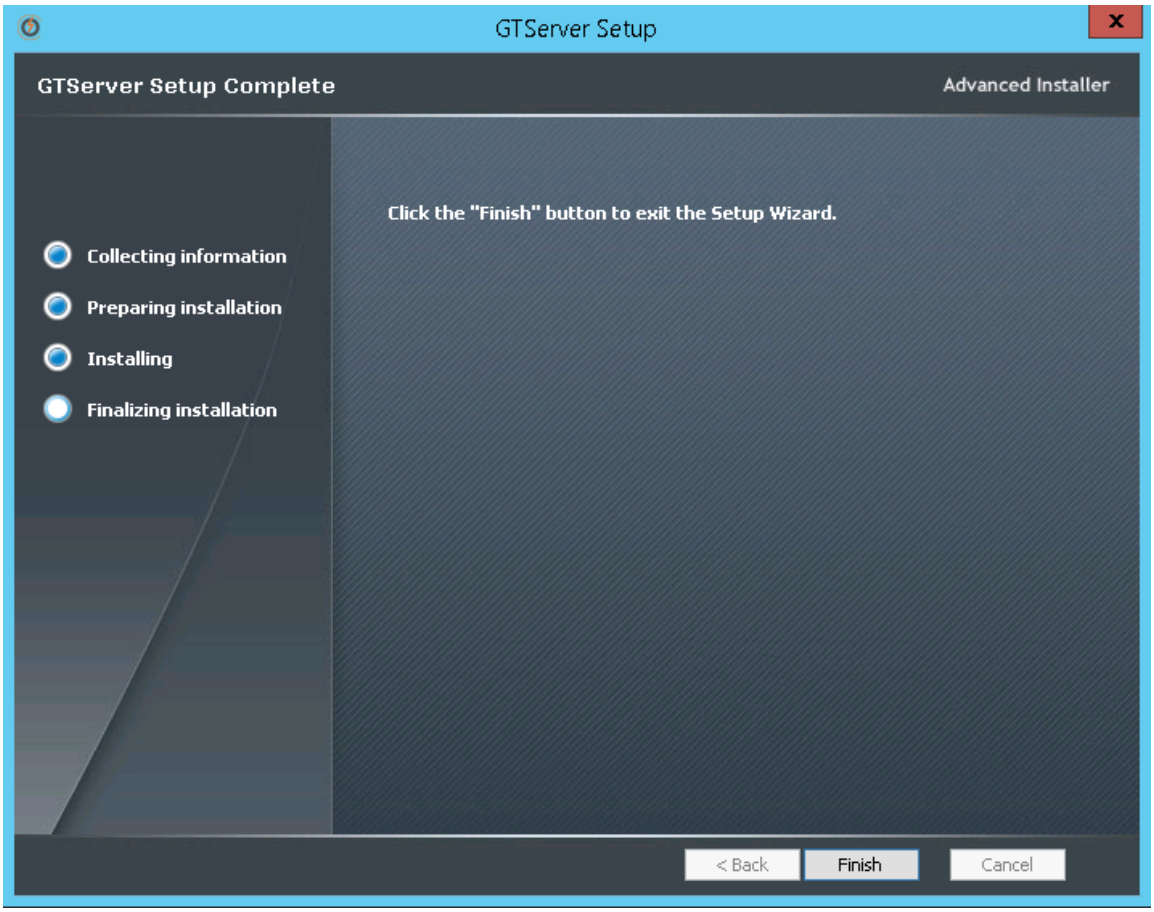

GTRallyBatch Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GTRallyBatch installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel


GTRallyBatch Setup
GTRallyBatch Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the Finish button to exit the Setup Wizard.
< Back
Finish
Cancel


GTServer Setup
Welcome to GTServer Setup
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Welcome to the Wizard for GTServer Setup.
The Setup Wizard will install GTServer on your computer. Please click "Next" to continue.
< Back
Next >
Cancel


GTServer Setup
Installation Folder
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
This is the folder where GTServer will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
D:\Grid-Tools\GTServer\
Browse...
< Back
Next >
Cancel


GTServer Setup
Ready to Install
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
The Setup Wizard is ready to begin the GTServer installation.
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
< Back
Install
Cancel


GTServer Setup
GTServer Setup Complete
Advanced Installer
Collecting information
Preparing installation
Installing
Finalizing installation
Click the "Finish" button to exit the Setup Wizard.
< Back
Finish
Cancel

3.3 Renaming rep.xml file and syncing the repository database

After the CA Test Data Manager upgrade completes, upgrade the repository by renaming the rep.xml file, performing the upgrade, and renaming the file again.

Note: The rep.xml lets you store repository credentials so you do not have to connect every time. If you do not use a rep.xml file, you can skip the steps related to the file.

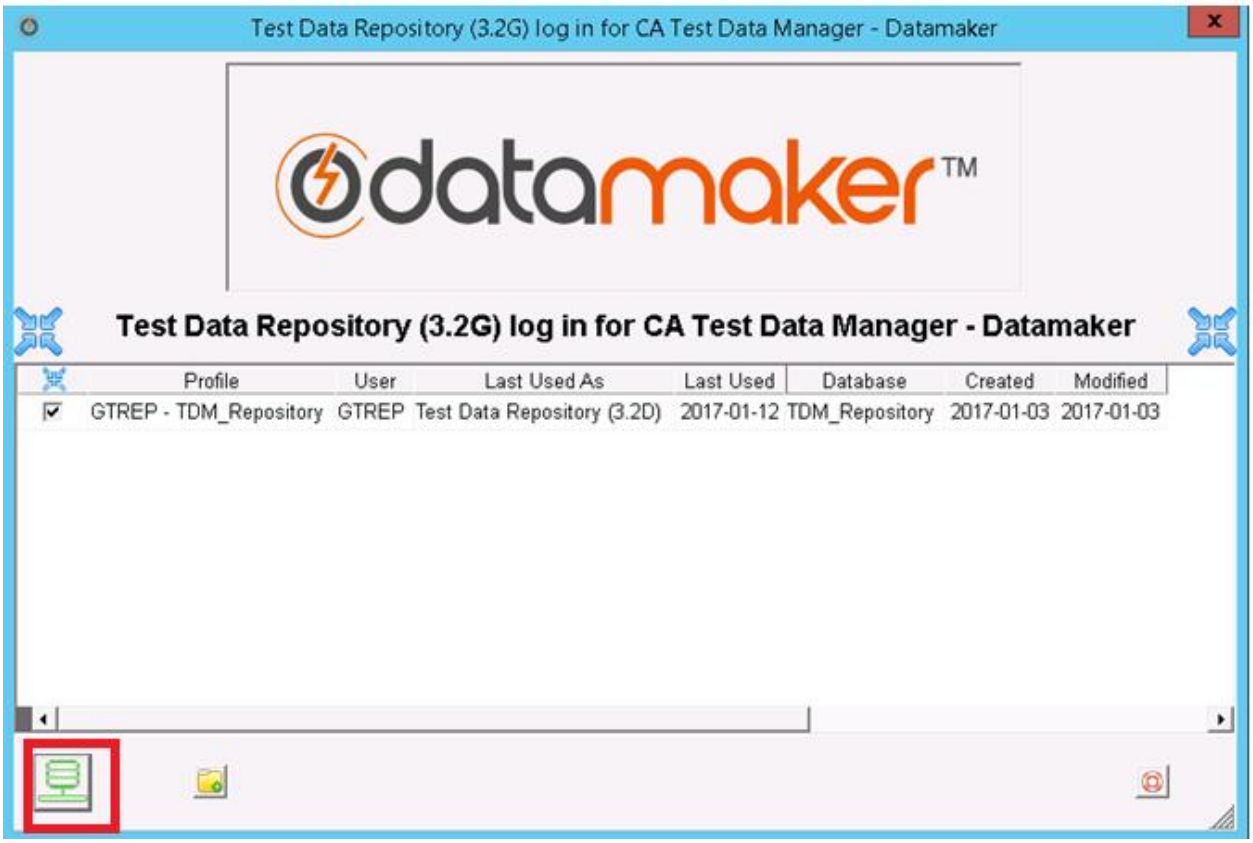
1. Launch Datamaker using the Desktop icon or through the file system (TDM_HOME\Grid-Tools\GTDatamaker\gtdatamaker.exe).
   The following message appears:

   > *DB version specified in database (3.2E) is invalid.*
   >
   > *This version of the software can work with DB version 3.2G only.*
   >
   > *You are connecting with pre-distributed details (rep.xml) - no upgrade is allowed.*
   >
   > *Please contact support.*

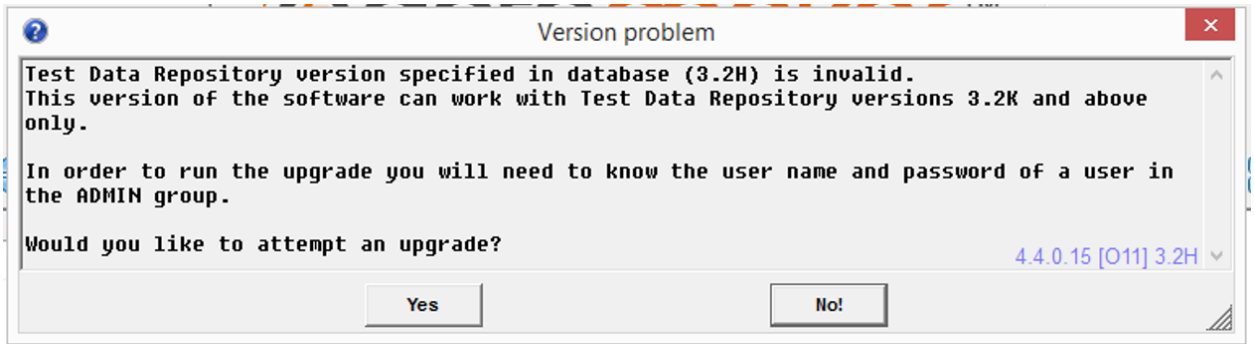
   This message means that you must upgrade the repository before proceeding.

2. Navigate to the TDM_HOME\Grid-Tools\GTDatamaker directory, and rename the rep.xml file to rep-old.xml.
3. From the Windows Explorer dialog, type %appdata% into the file path and select the Grid-Tools folder in the results. Rename the rep.xml to rep-old.xml in this folder. If the rep.xml file does not exist at this location, skip to step 4.
4. Launch Datamaker again.
   The Test Data Repository log in for CA Test Data Manager dialog opens. It includes the repository profile that you selected in the last installation.

5. Click the green database connection button.

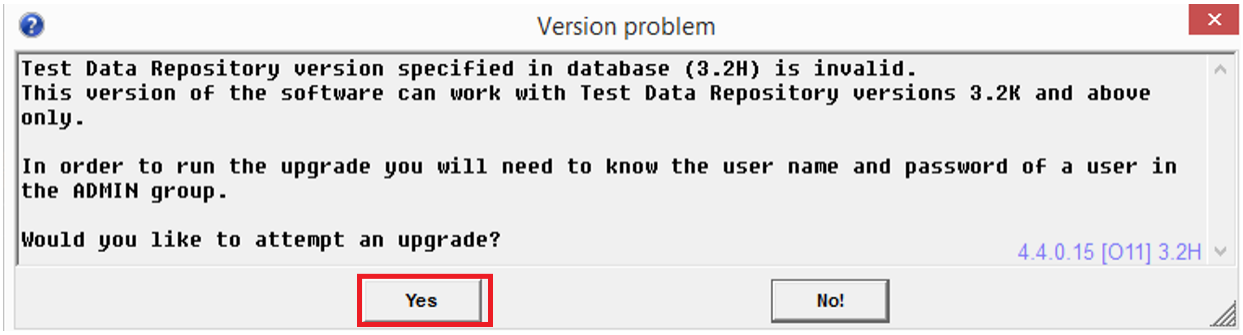


The following message appears:



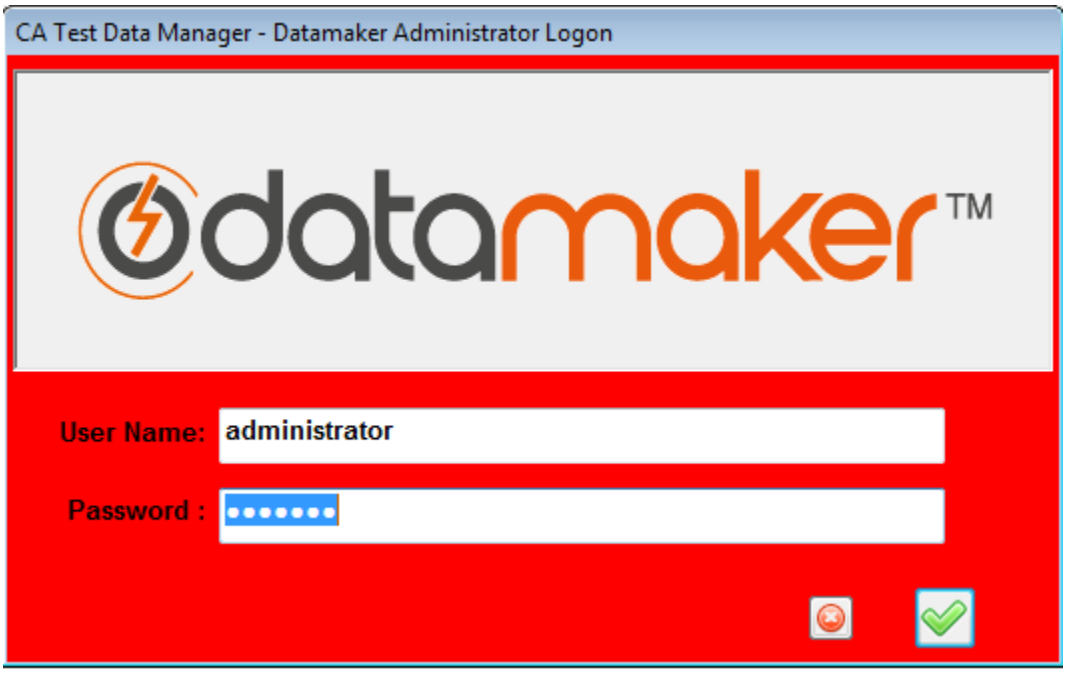
Note that if you do not see this message, it is most likely that the user that installed the product is not performing the upgrade. If this is the case, you will need to create a new repository profile and provide the appropriate connection details. Check the entry for the new profile and click the green database connection button. You should then see the above message.

6. Click Yes.

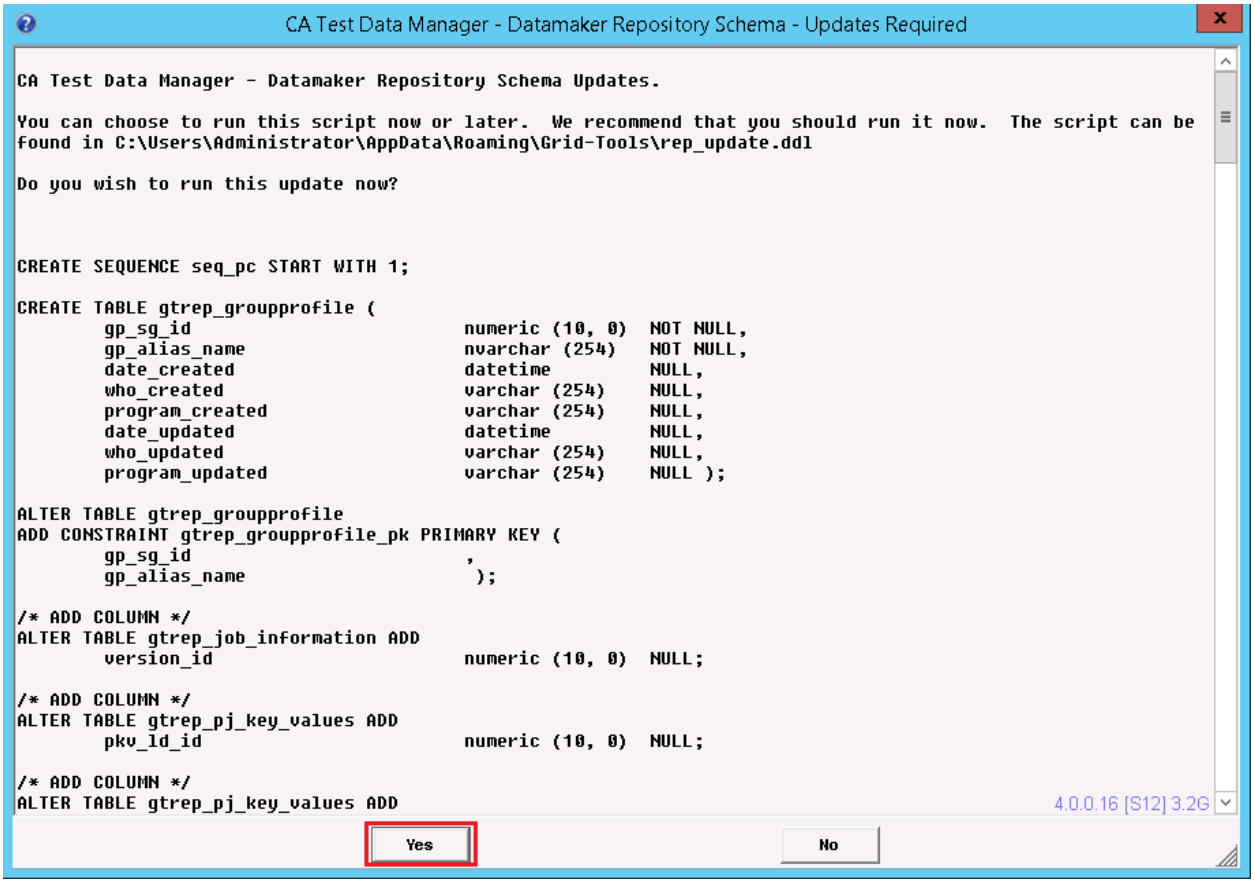


The login page opens.

7. Log in with administrator credentials.



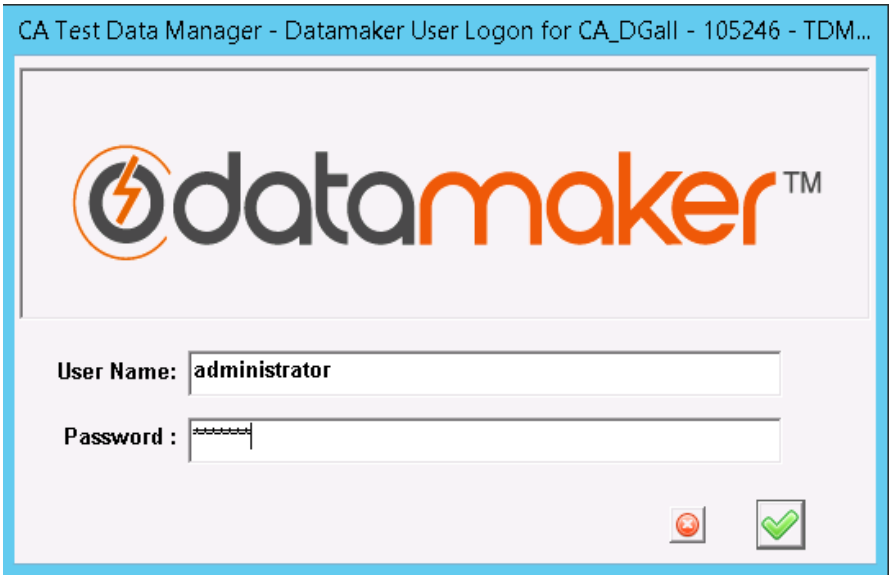
The CA Test Data Manager - Datamaker Repository Schema - Updates Required message opens.



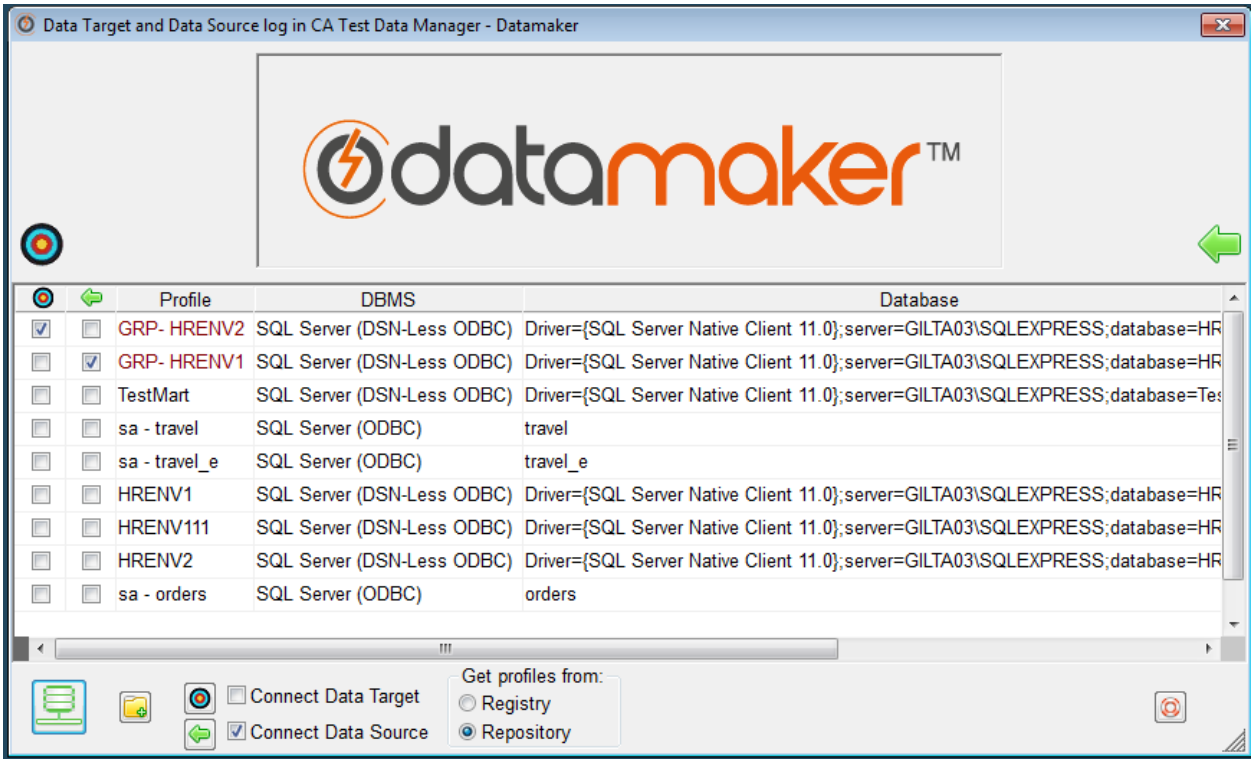
8. Click Yes.

   The main Datamaker window opens.

9. Select Settings, Enter Activation Key.
10. Enter the activation key that you received from you license request, and click the Save button. A confirmation opens. Click OK, and you should see a full listing of all connection profiles.
11. Close Datamaker.
12. Rename the rep-old.xml files to rep.xml in the TDM_HOME\Grid-Tools\GTDatamaker and %appdata%\Grid-Tools directories.
13. Launch Datamaker again.



You should be able to connect successfully to any connection profile.



14. Repeat the process described in Perform Repository Maintenance to verify that no further repository maintenance is required:
    https://docops.ca.com/ca-test-data-manager/4-4/en/installing/install-ca-test-data-manager/perform-repository-maintenance
    The upgrade is complete.