

AD SWAT



CA TDM  
4.5

## CA Test Data Management 4.5

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Version : V1.0

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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/4-5/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 4.5

Versions	Suggested Path
3.2	3.2->3.5 -> 3.8 -> 4.0->4.2 -> 4.4->4.5
3.5	3.5->3.8 -> 4.0 -> 4.2->4.4 -> 4.5
3.8	3.8->4.0 -> 4.2-> 4.4->4.5
4.0	4.0 -> 4.2->4.4->4.5
4.1	4.1 -> 4.3->4.5
4.2	4.2 -> 4.4->4.5
4.3	4.3 -> 4.5

Chapter 3: Installation

3.1 Download

The screenshot shows the CA Support website home page. At the top, there's a navigation bar with links like Solutions, Products, Education & Training, Services & Support, Partners, Search, and Sign Out. Below this is a 'Welcome to CA Support' banner. A search bar is present with the placeholder text 'Product Name - Topic or Problem'. Below the search bar, there are four main sections: 'PRODUCT INFORMATION >', 'COMMUNITIES >', 'DOWNLOAD MANAGEMENT >' (which is highlighted with a red box), and 'CASE MANAGEMENT >'. Each section has a brief description and an icon.

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

The screenshot shows the 'Download Management' page. At the top, there's a navigation bar with links like HOME, MENU, MY ACCOUNT, CART, and MY CASES. Below this is a 'Download Management' banner. A search bar is present with the placeholder text 'CA Test Data Manager (Data Finder / Grid Tools)'. Below the search bar, there are two main sections: 'Product Downloads Available' and 'Solution Downloads Available'. Each section has a brief description and an icon.

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


The screenshot shows the 'CA Test Data Manager for Test Data on Demand MULTI-PLATFORM' download page. At the top, there's a navigation bar with links like HOME, MENU, MY ACCOUNT, CART, and MY CASES. Below this is a 'CA Test Data Manager for Test Data on Demand MULTI-PLATFORM' banner. There are two dropdown menus for 'Release' (4.5) and 'Service Pack' (0000). Below these is a 'FILTER SEARCH RESULTS' section. It contains a table with columns: RELEASE, SERVICE PACK, COMPONENT, and DATE. The table has two rows of data. Each row has an 'Add All To Cart' button and a 'Download Package' button.

Select a Release v 4.5

							<b>CA Test Data Manager Full Package 4.X</b> Component should be downloaded.
4.5	0000	CA TEST DATA MANAGER FULL PACKAGE 4.5 GEN5000000000001253.zip	03/28/2018				
3.2.11	0000	CA TEST DATA MANAGER REPOSITORY KIT 3.2.11 GEN5000000000001264.zip	03/19/2018				
							You can either <i>Download</i> from here directly or select <i>Add to Cart</i> for the various downloads (as required) and then select <i>View Download Cart</i> .
4.5	0000	CA TEST DATA MANAGER FULL PACKAGE 4.5 GEN5000000000001253.zip	03/28/2018				
3.2.11	0000	CA TEST DATA MANAGER REPOSITORY KIT 3.2.11 GEN5000000000001264.zip	03/19/2018				
							Choose one of the methods for download and start the download to your Download location
4.5	0000	CA TEST DATA MANAGER FULL PACKAGE 4.5 GEN5000000000001253.zip	03/28/2018				
3.2.11	0000	CA TEST DATA MANAGER REPOSITORY KIT 3.2.11 GEN5000000000001264.zip	03/19/2018				

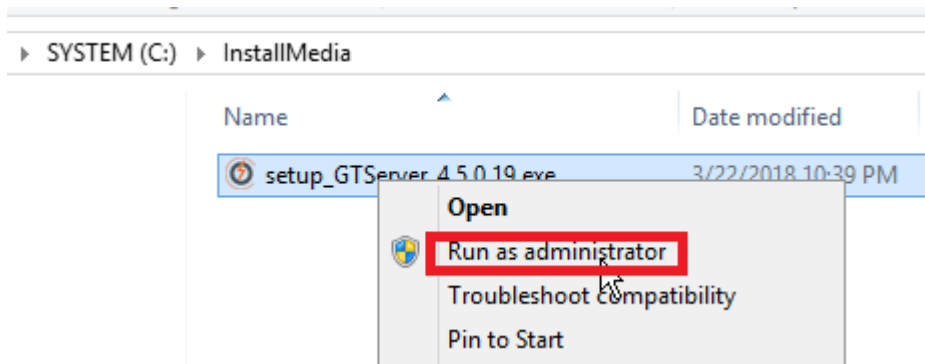
### 3.2 Installation steps to TDM 4.x

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:

SYSTEM (C:) > InstallMedia		
Name		Date modified
 setup_GTServer_4.5.0.19.exe		3/22/2018 10:39 PM

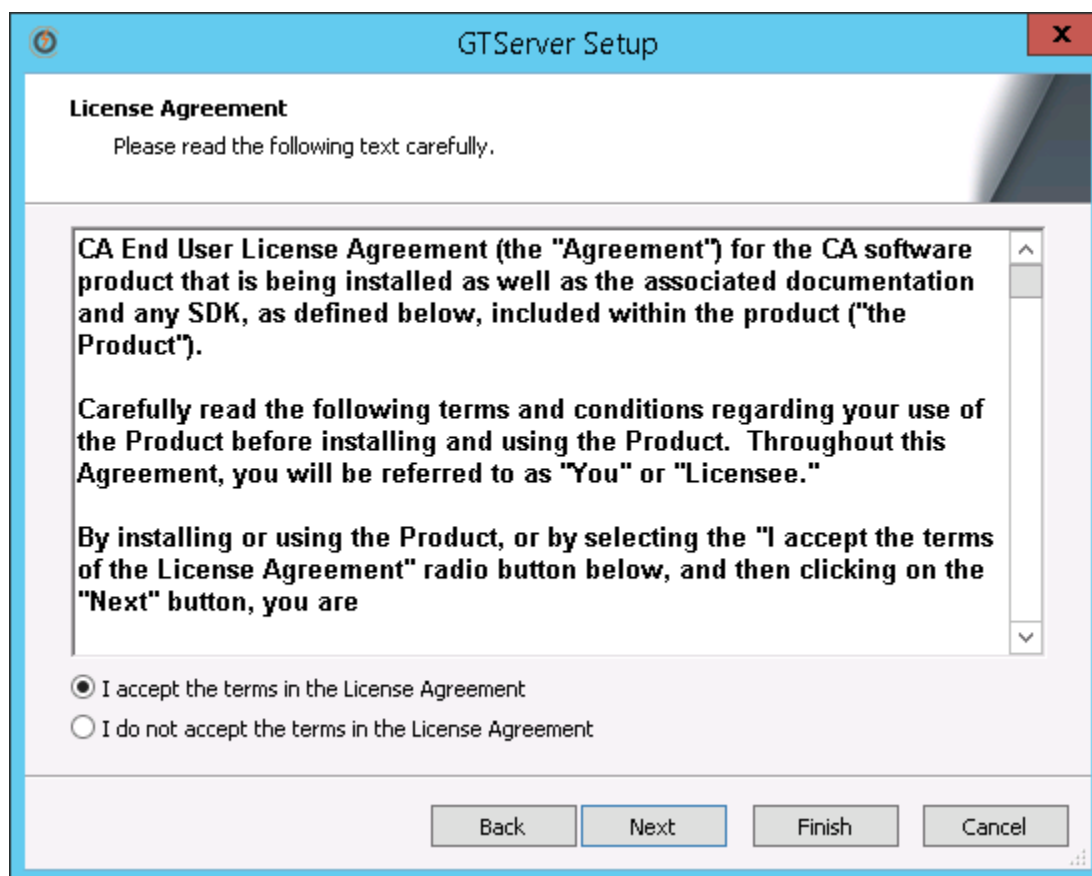
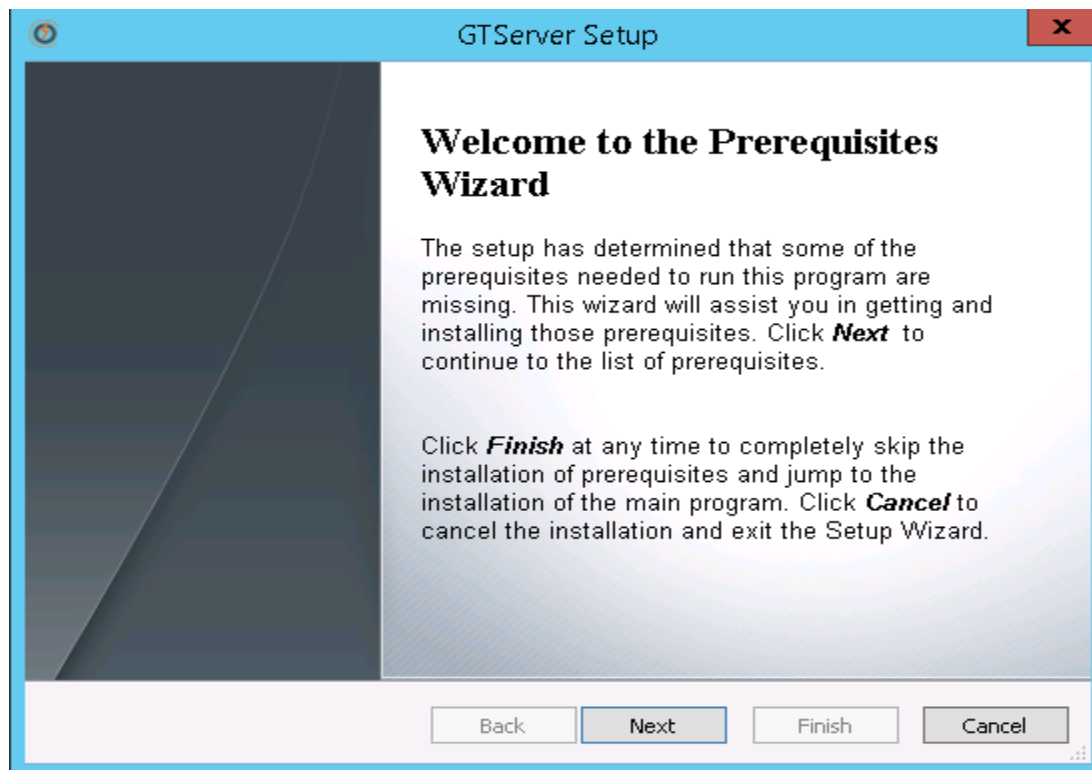
You should now see a setup executable with the Datamaker logo next to it.

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
✕


### 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
<input type="checkbox"/> .NET Framework 4.5	Required: any. Found an accept...	Skip
<input type="checkbox"/> Silverlight 5 x64	Required: 5.1.30214.0 or higher...	Skip
<input type="checkbox"/> Java SE Runtime Environment 8 x64	Required: 1.8 or higher. Found ...	Skip
<input type="checkbox"/> Visual C++ 2010 SP1 x64 (MFC Se...	Required: 40219.325 or higher. ...	Skip
<input type="checkbox"/> Visual C++ 2010 SP1 x86 (MFC Se...	Required: 40219.325 or higher. ...	Skip
<input type="checkbox"/> Visual C++ Redistributable for Vis...	Required: 11.0.61030 or higher....	Skip
<input type="checkbox"/> Visual C++ Redistributable for Vis...	Required: 11.0.61030 or higher....	Skip
<input type="checkbox"/> SQL Server Native Client 2012 x64	Required: 11.0.2100.60 or high...	Skip
<input type="checkbox"/> ODP4.NET Deployer	Required: 4.112.3.0 or higher. ...	Skip
<input type="checkbox"/> ODP4.NET 32 bit Deployer	Required: 4.112.3.0 or higher. ...	Skip
<input checked="" type="checkbox"/> GTRemotePublish	Required: 4.5.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT Group Job Executor	Required: 4.5.0.6 or higher. Fo...	Install

Press the Next button to install the prerequisites.

Back
Next
Finish
Cancel


GTServer Setup
✕

### Prerequisites

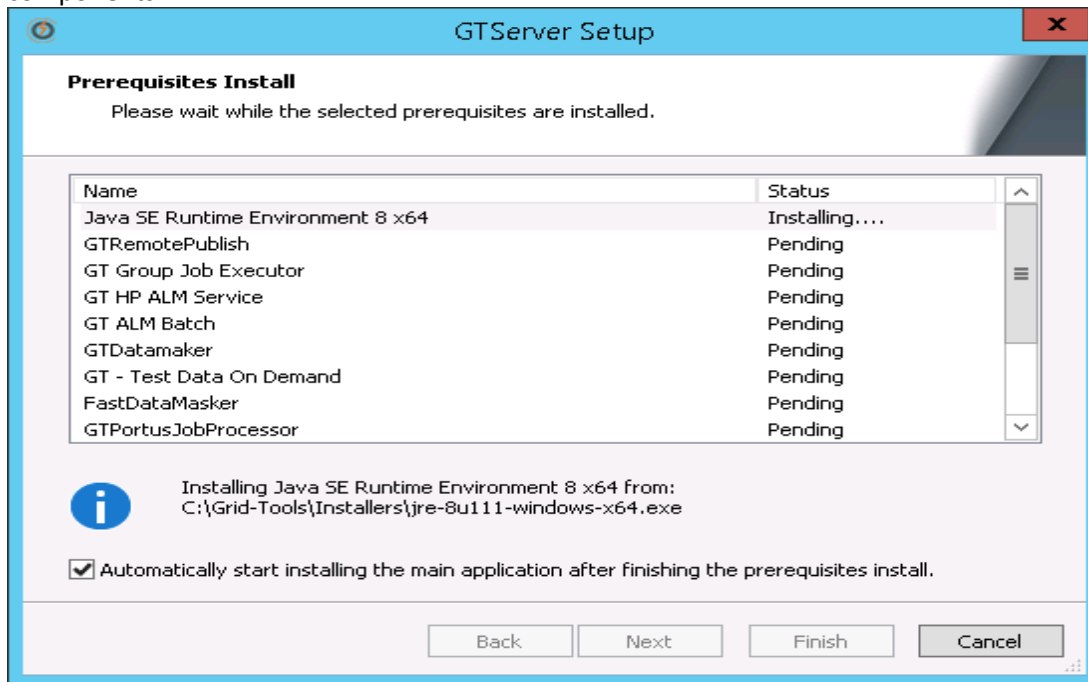
These programs are needed for the application to run. Click on the check box next to a prerequisite to select it for install or to skip it.

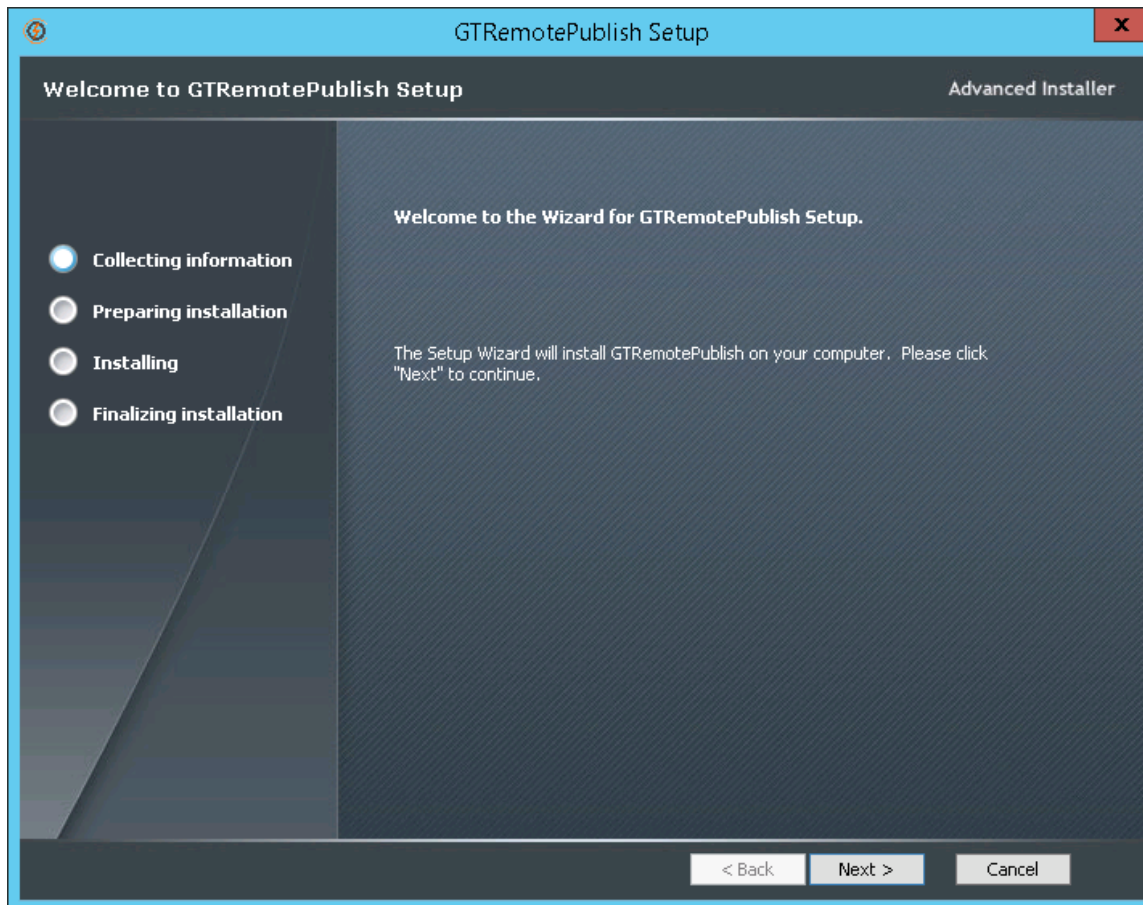
Name	Version	Action
<input checked="" type="checkbox"/> GTRemotePublish	Required: 4.5.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT Group Job Executor	Required: 4.5.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT HP ALM Service	Required: 4.5.0.7 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT ALM Batch	Required: 4.5.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GTDatamaker	Required: 4.5.0.36 or higher. F...	Install
<input checked="" type="checkbox"/> TestDataVisualizer	Required: 1.5.0.0 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT - Test Data On Demand	Required: 4.5.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> FastDataMasker	Required: 4.7.400.12 or higher....	Install
<input checked="" type="checkbox"/> GTPortusJobProcessor	Required: 4.5.0.3 or higher. Fo...	Install
<input checked="" type="checkbox"/> Javelin	Required: 2.0.300.10 or higher....	Install
<input checked="" type="checkbox"/> GTEDI	Required: 4.5.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GTRallyBatch	Required: 4.5.0.7 or higher. Fo...	Install

Press the Next button to install the prerequisites.

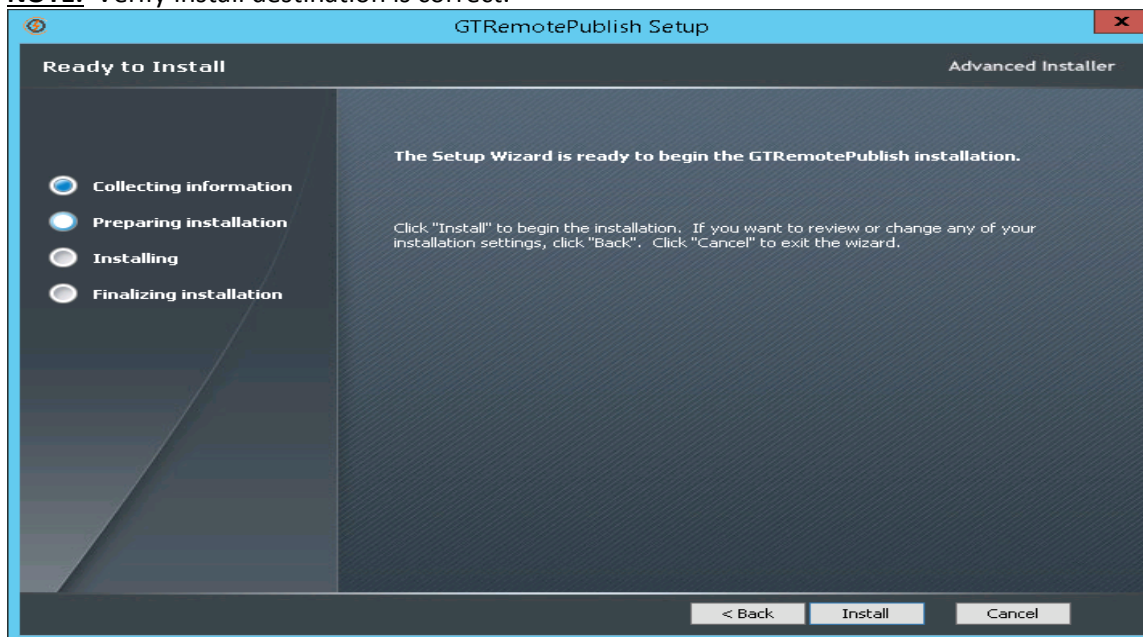
Back
Next
Finish
Cancel

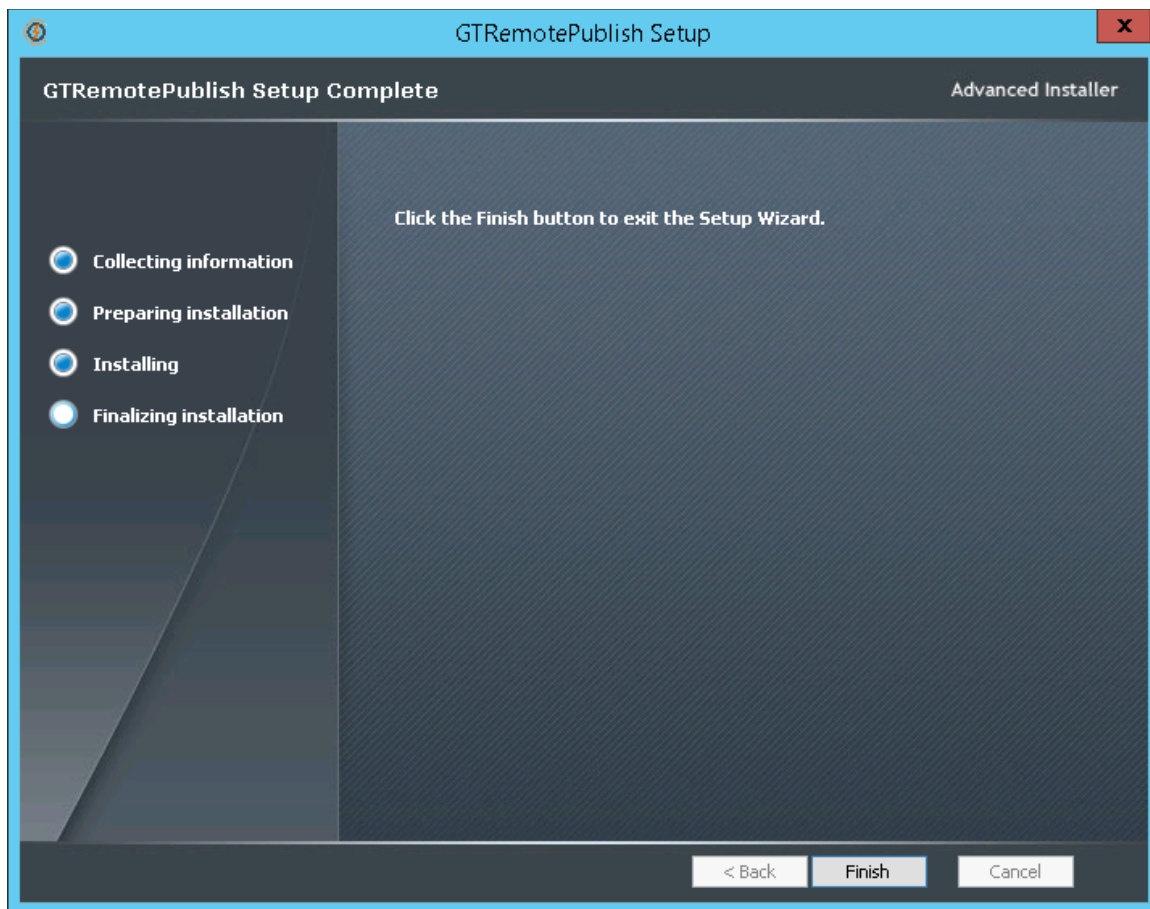
**NOTE:** Any prerequisites that are needed will be installed prior to the installation of the selected components



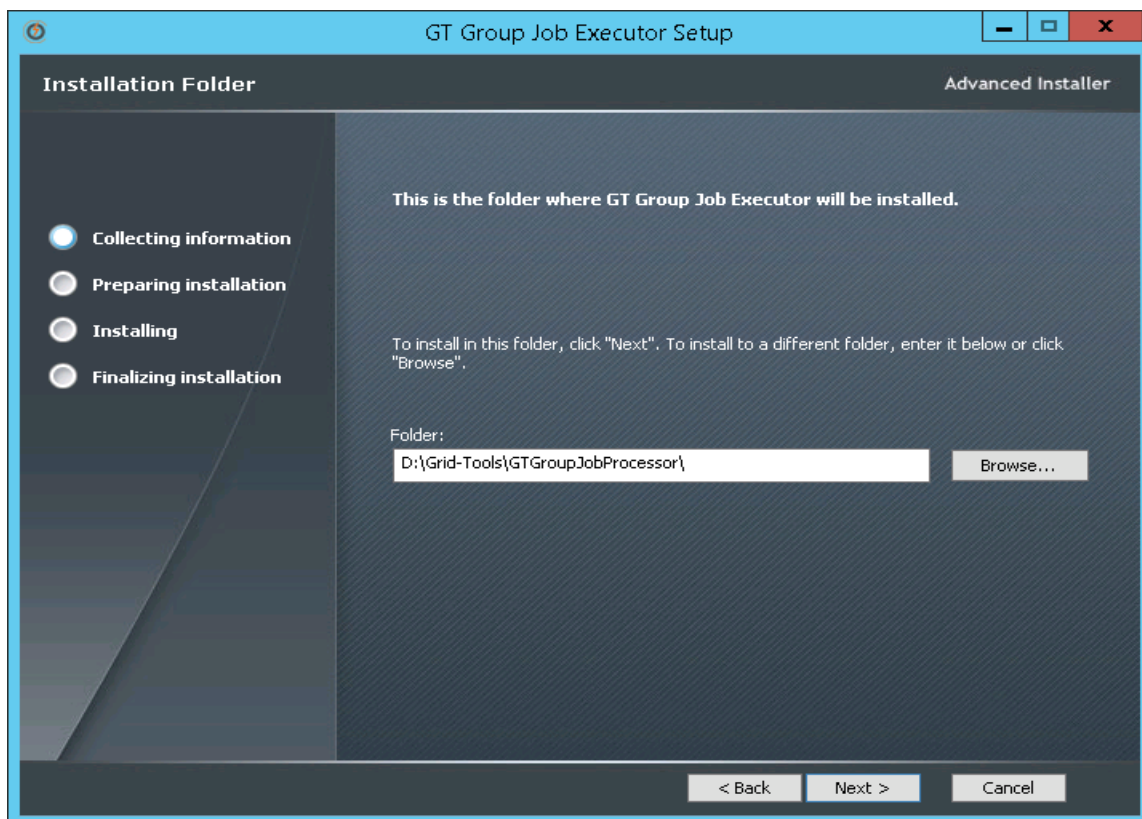
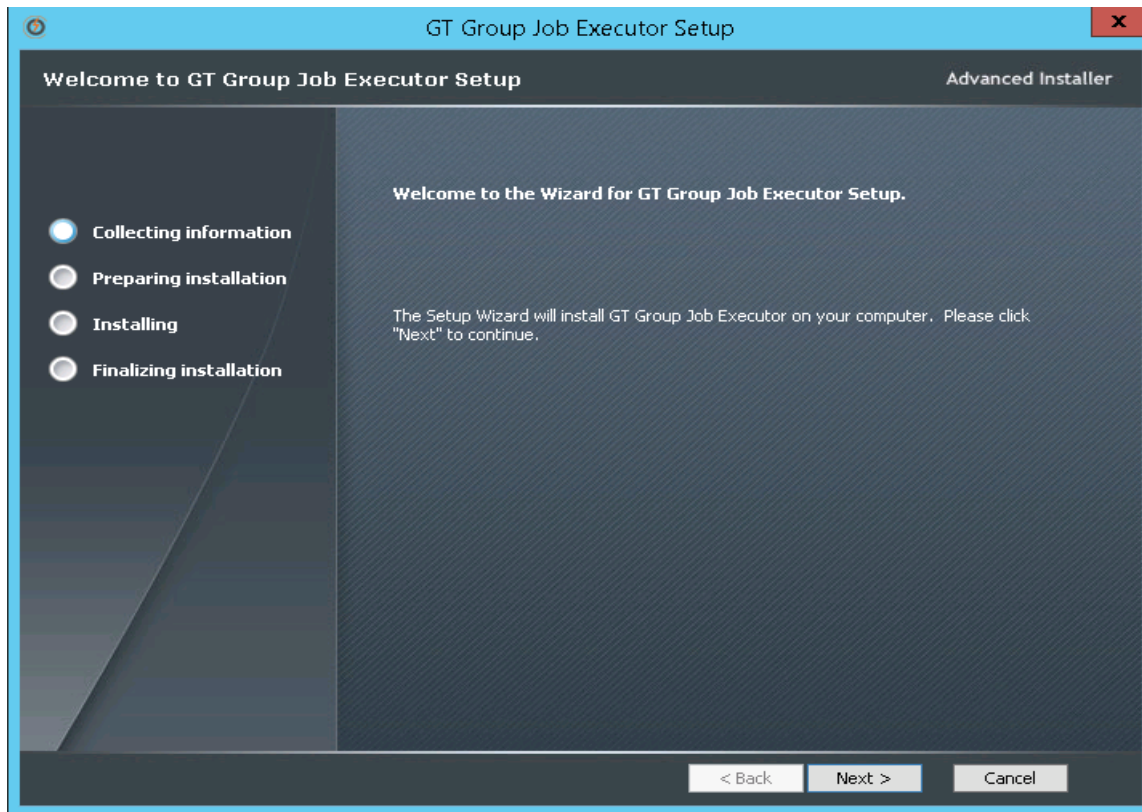


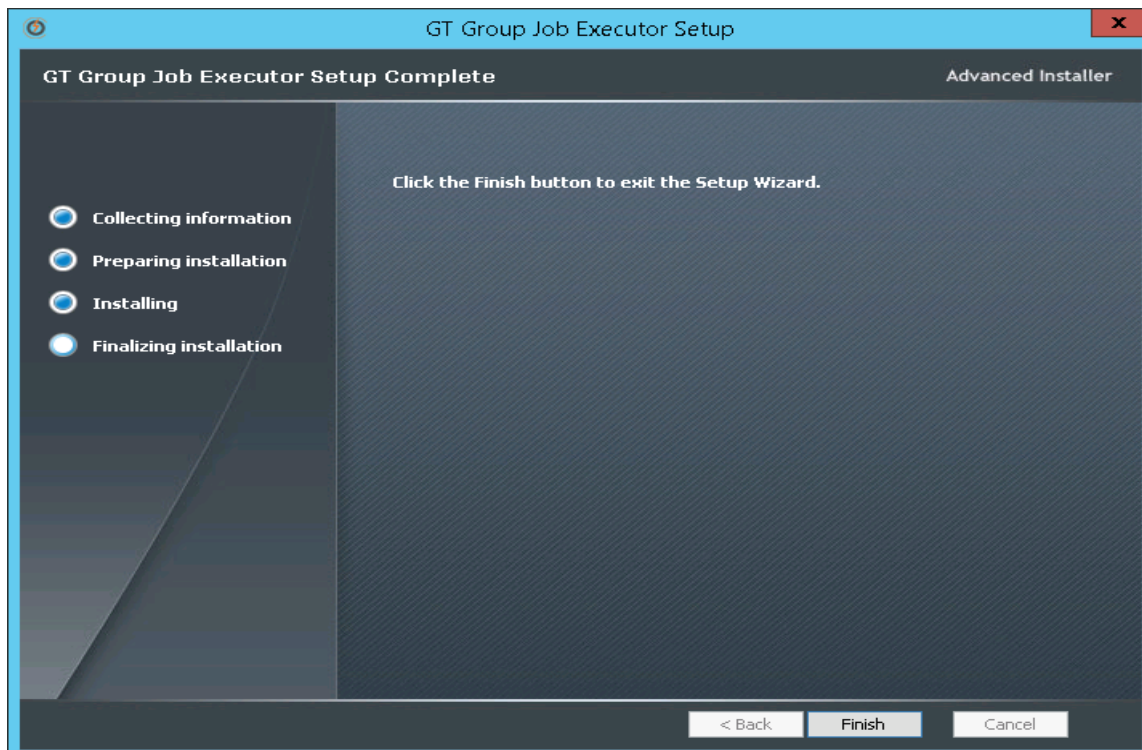
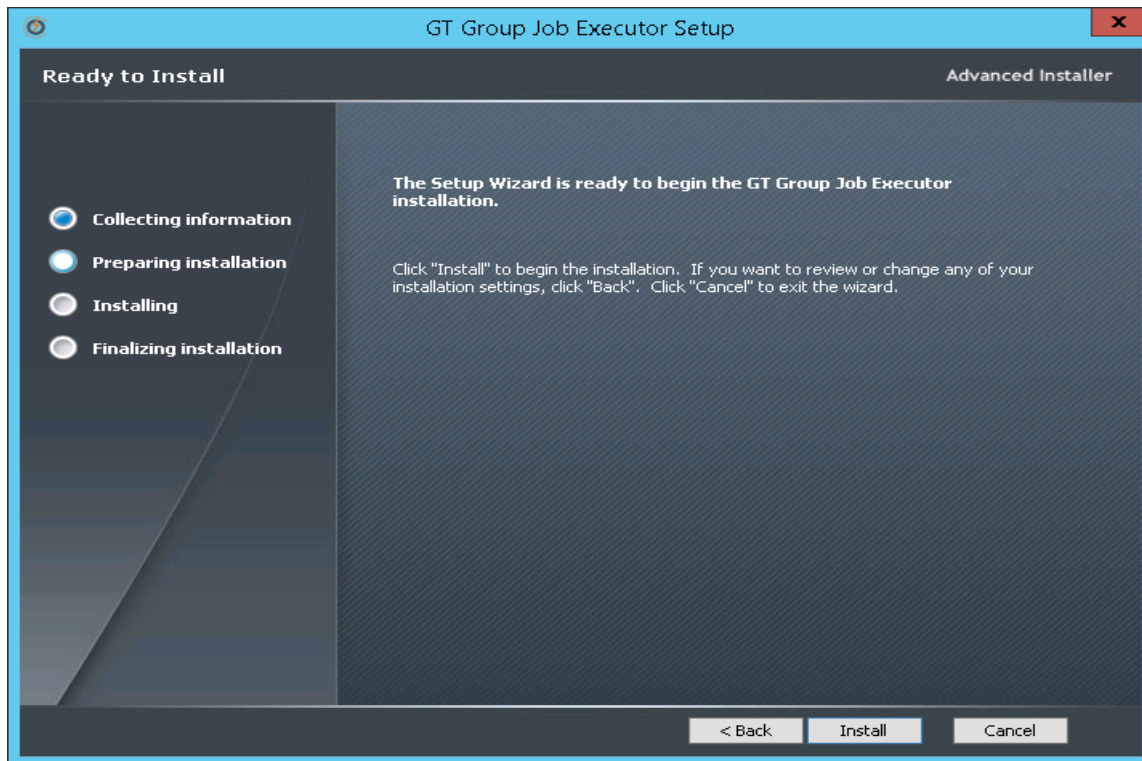
**NOTE:** Verify install destination is correct.

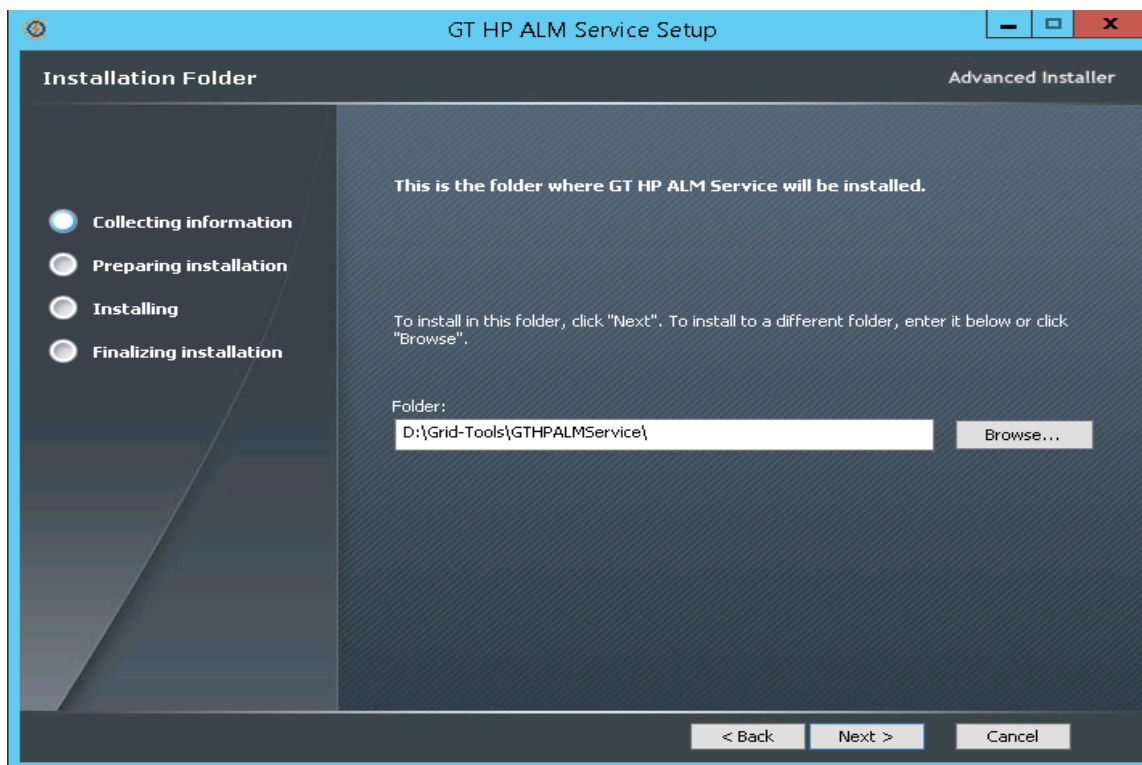
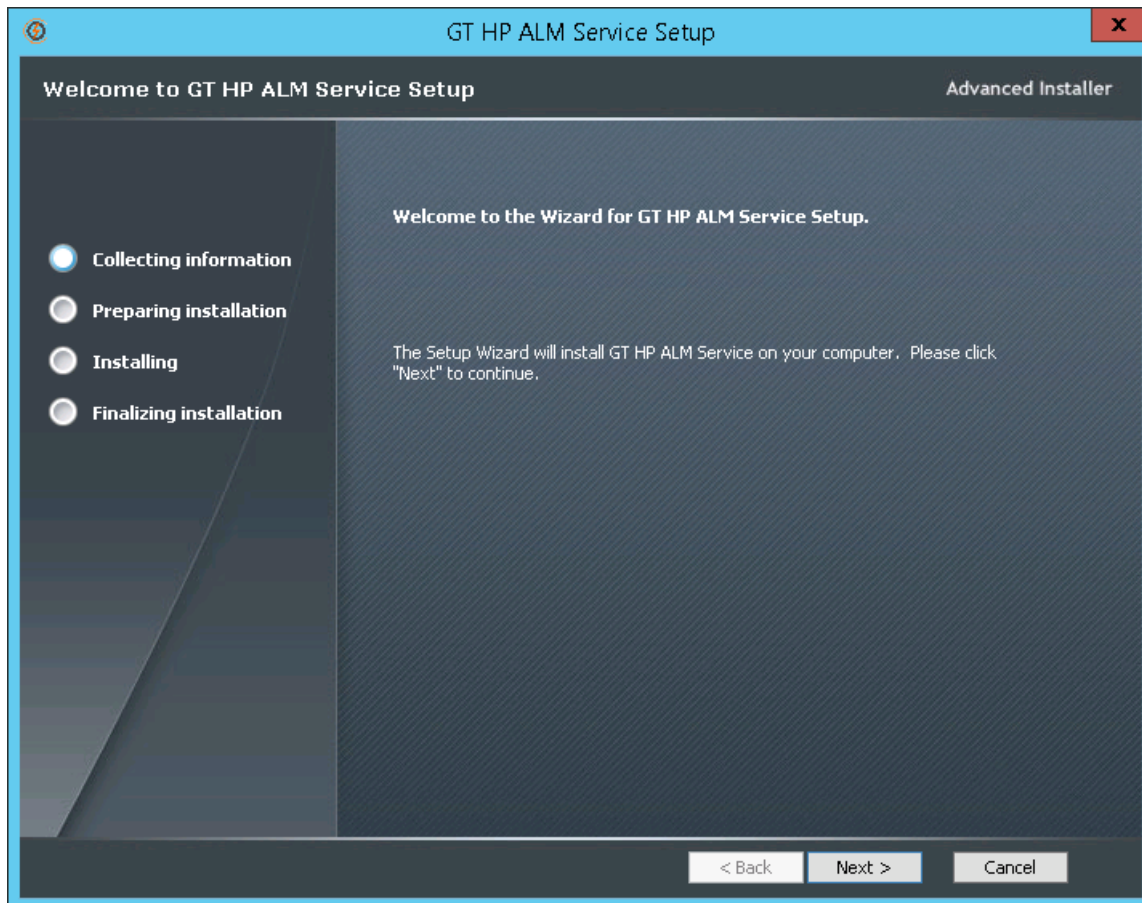




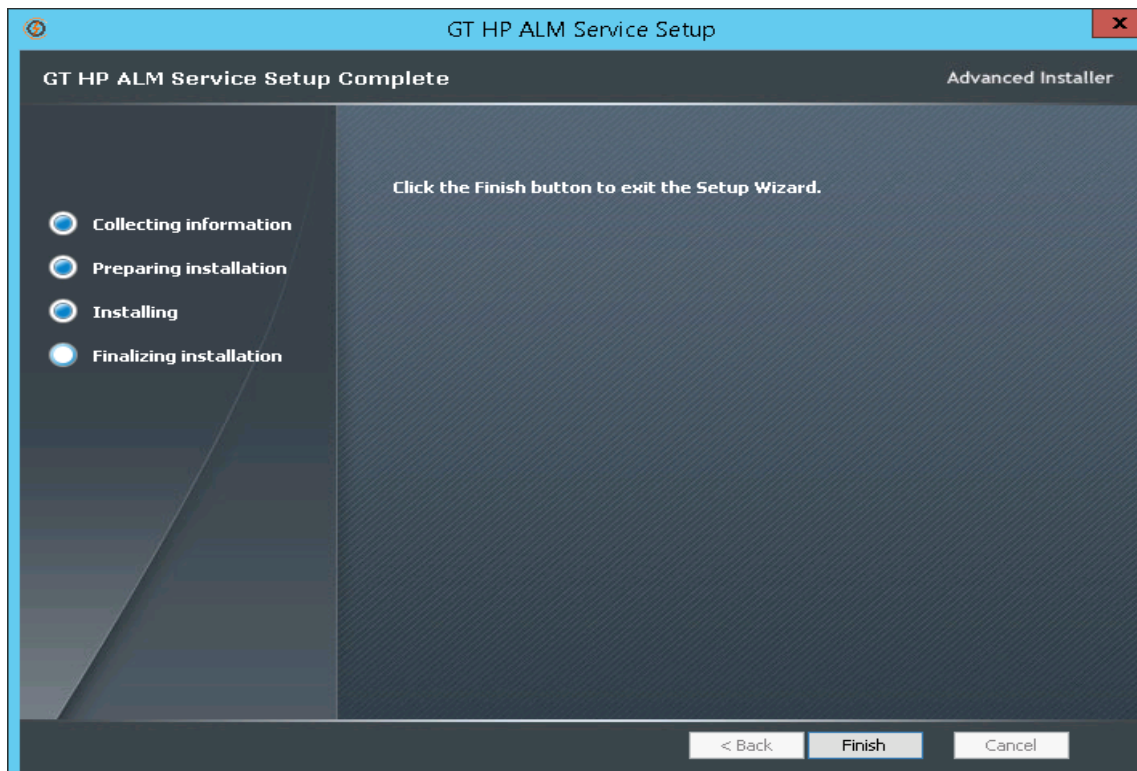
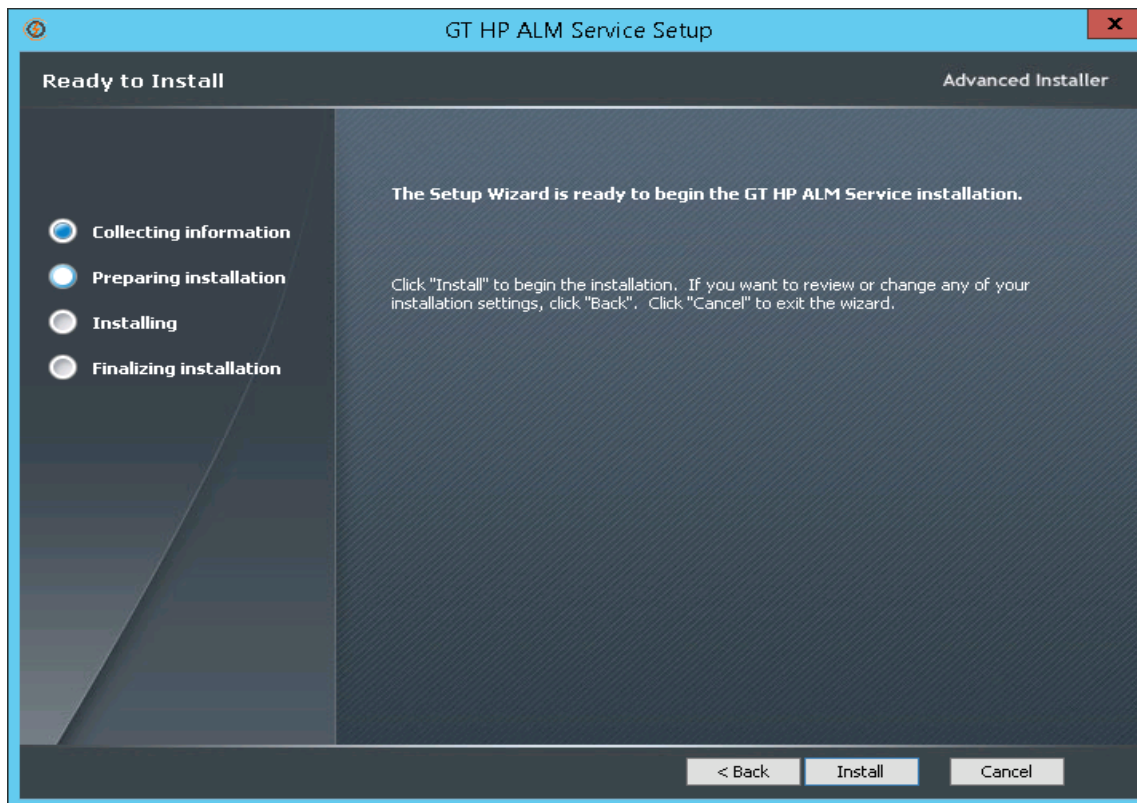




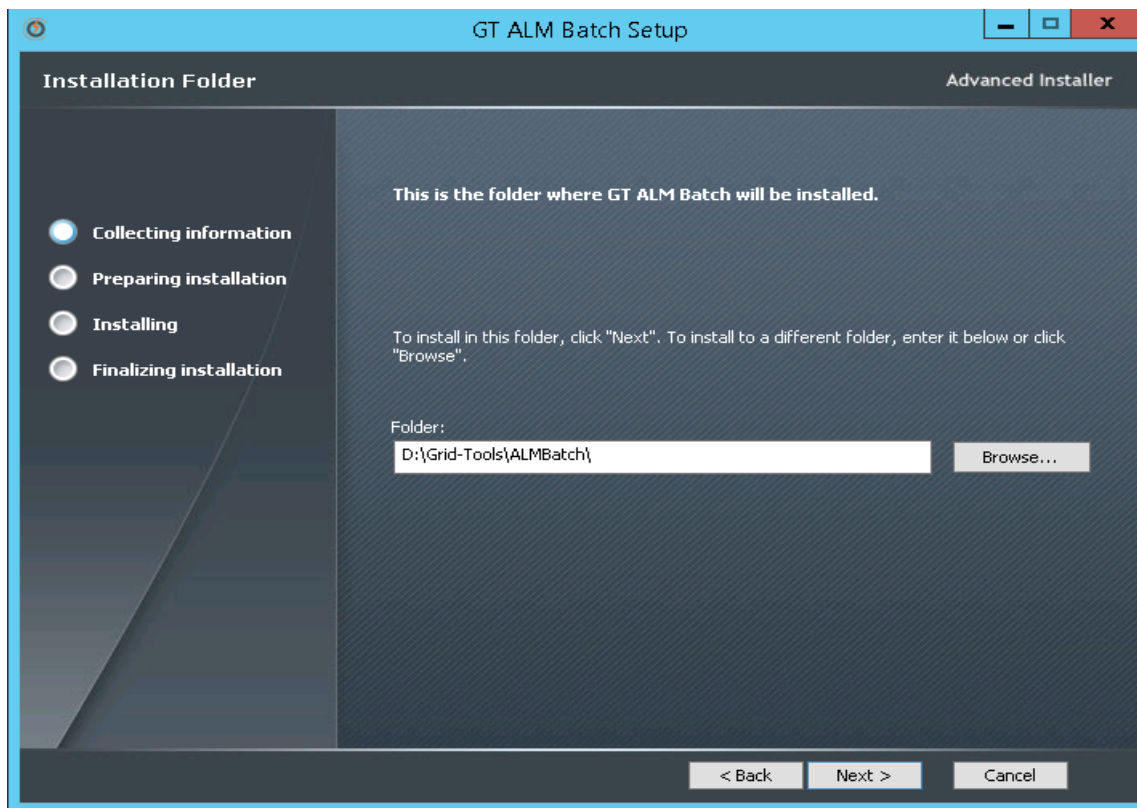
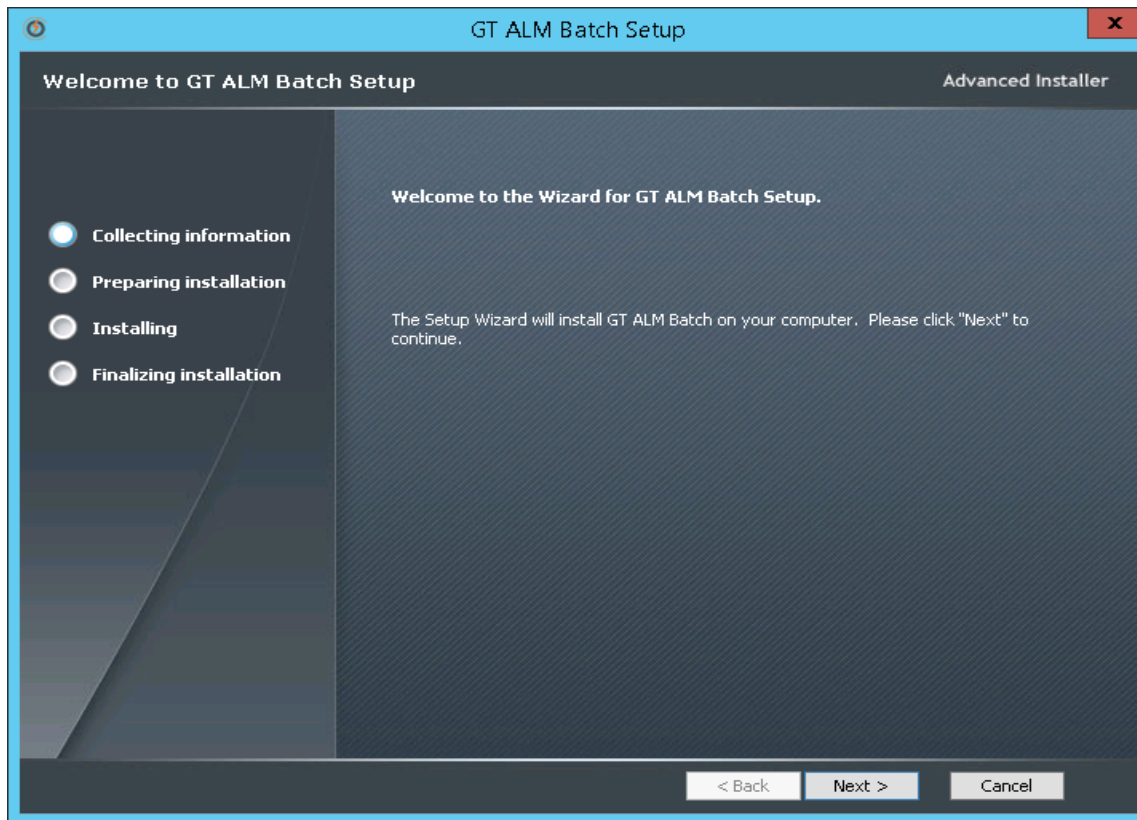


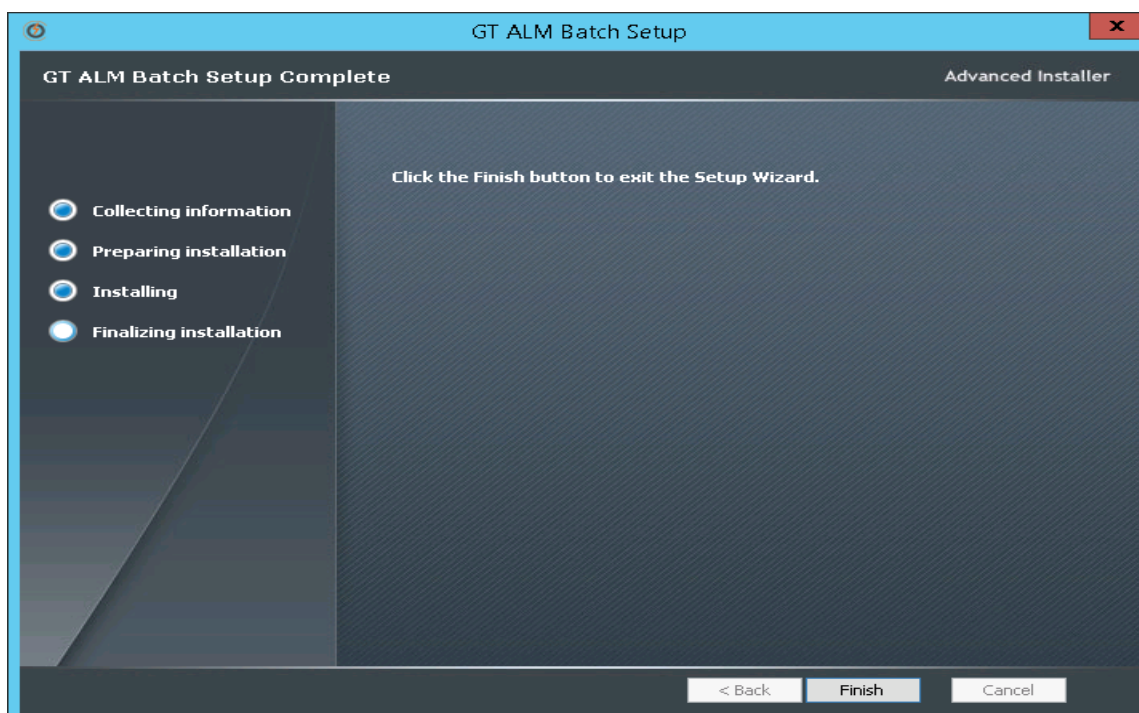
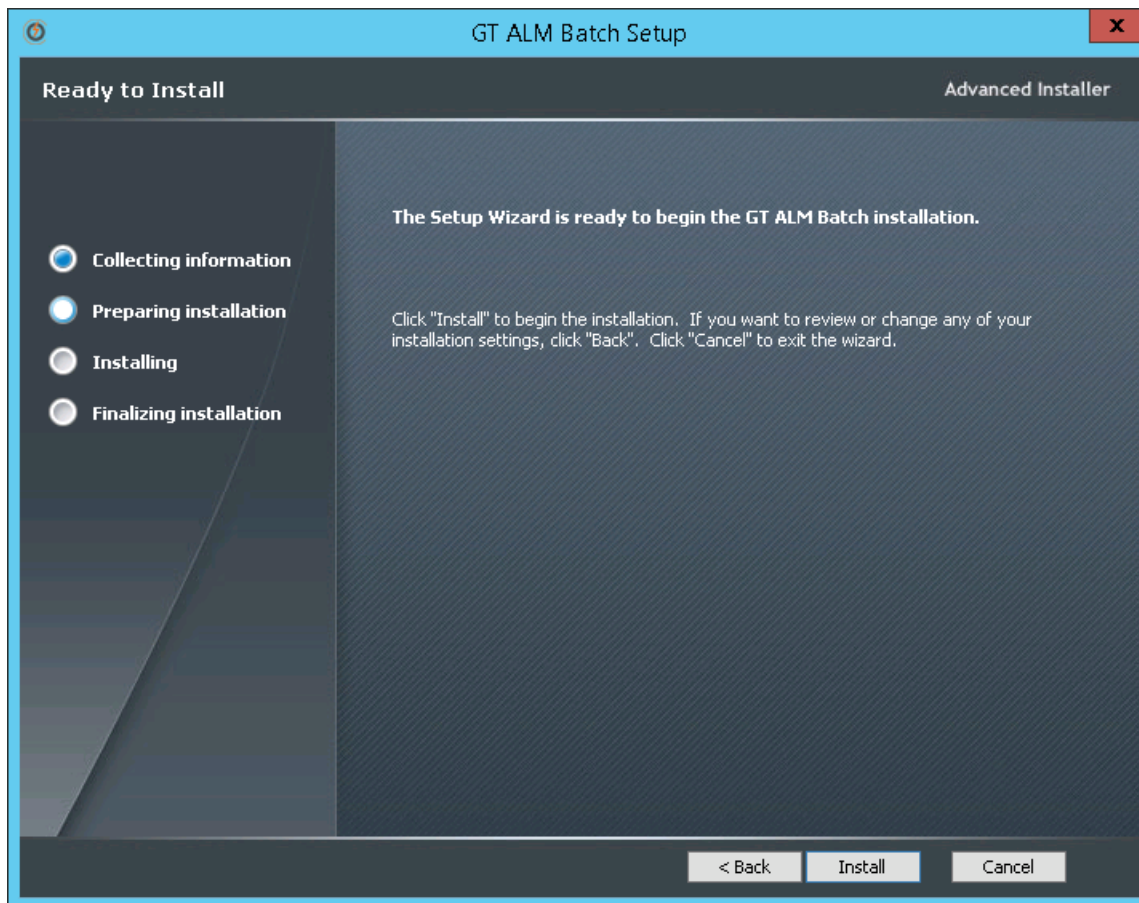


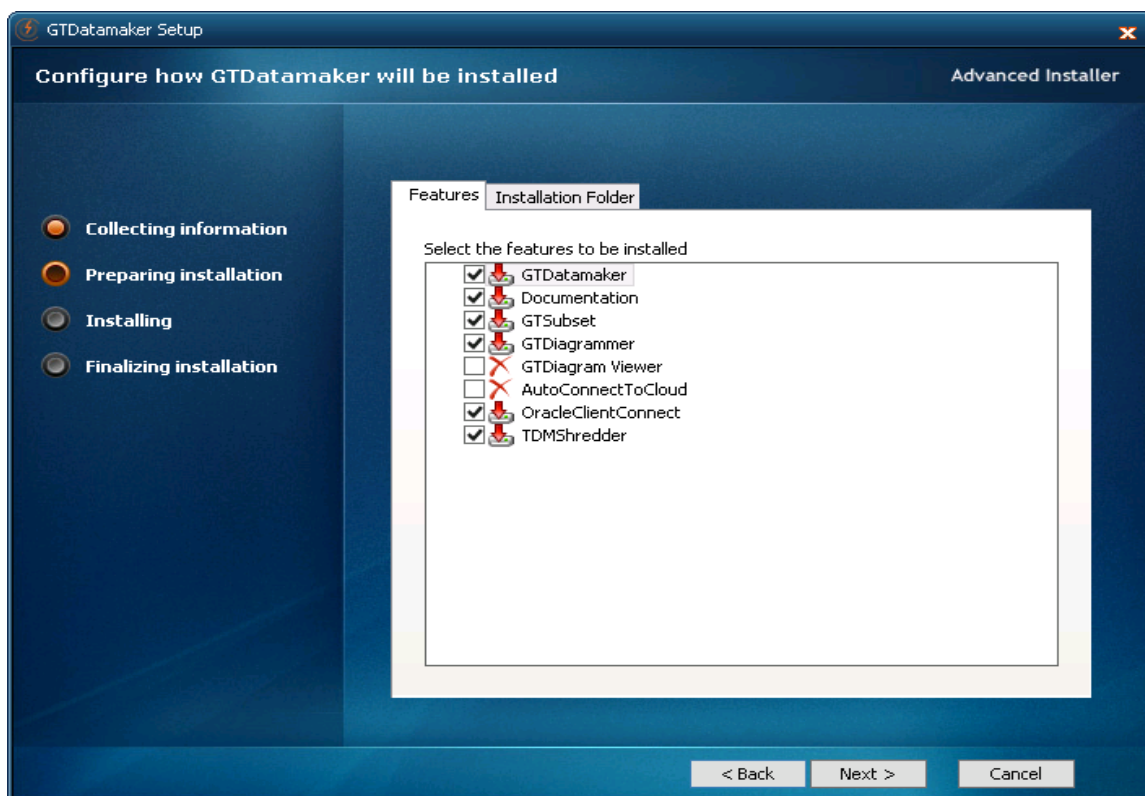
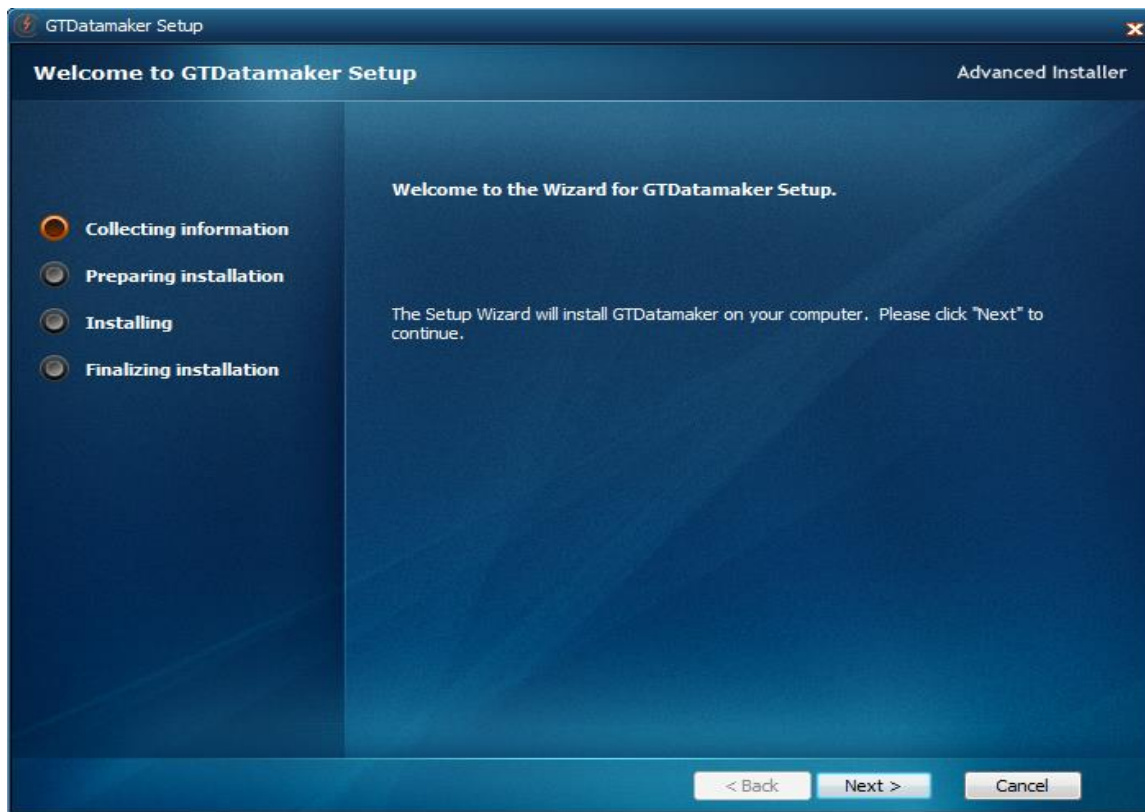




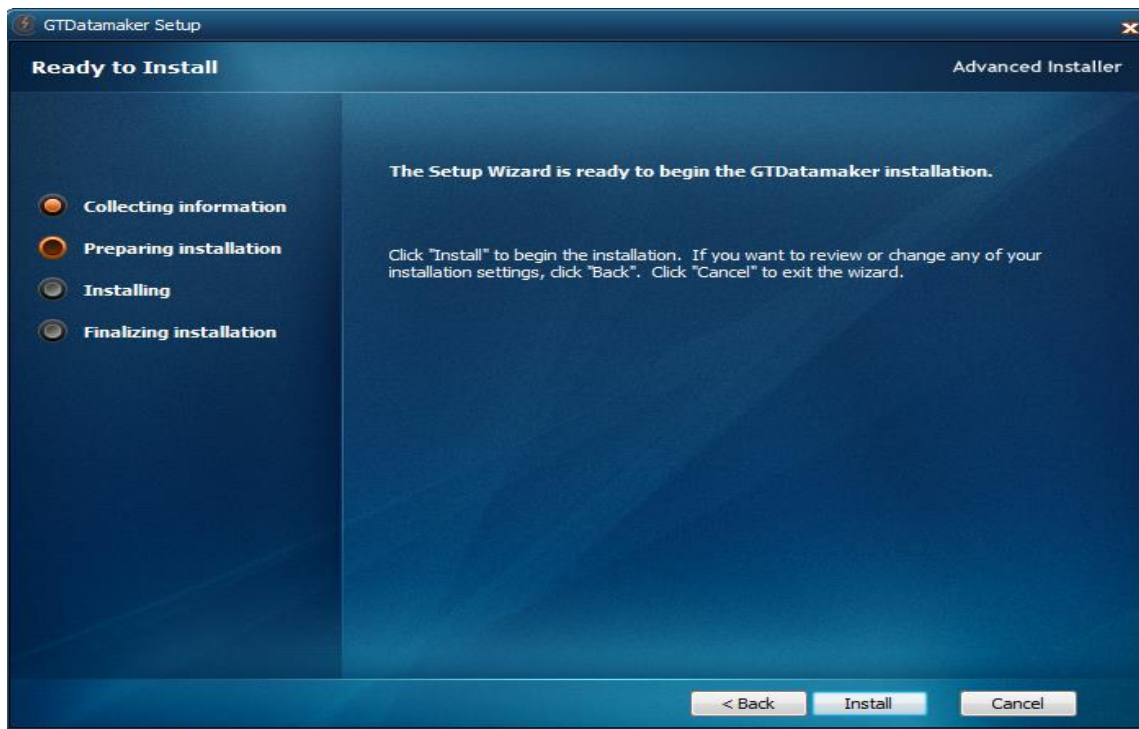
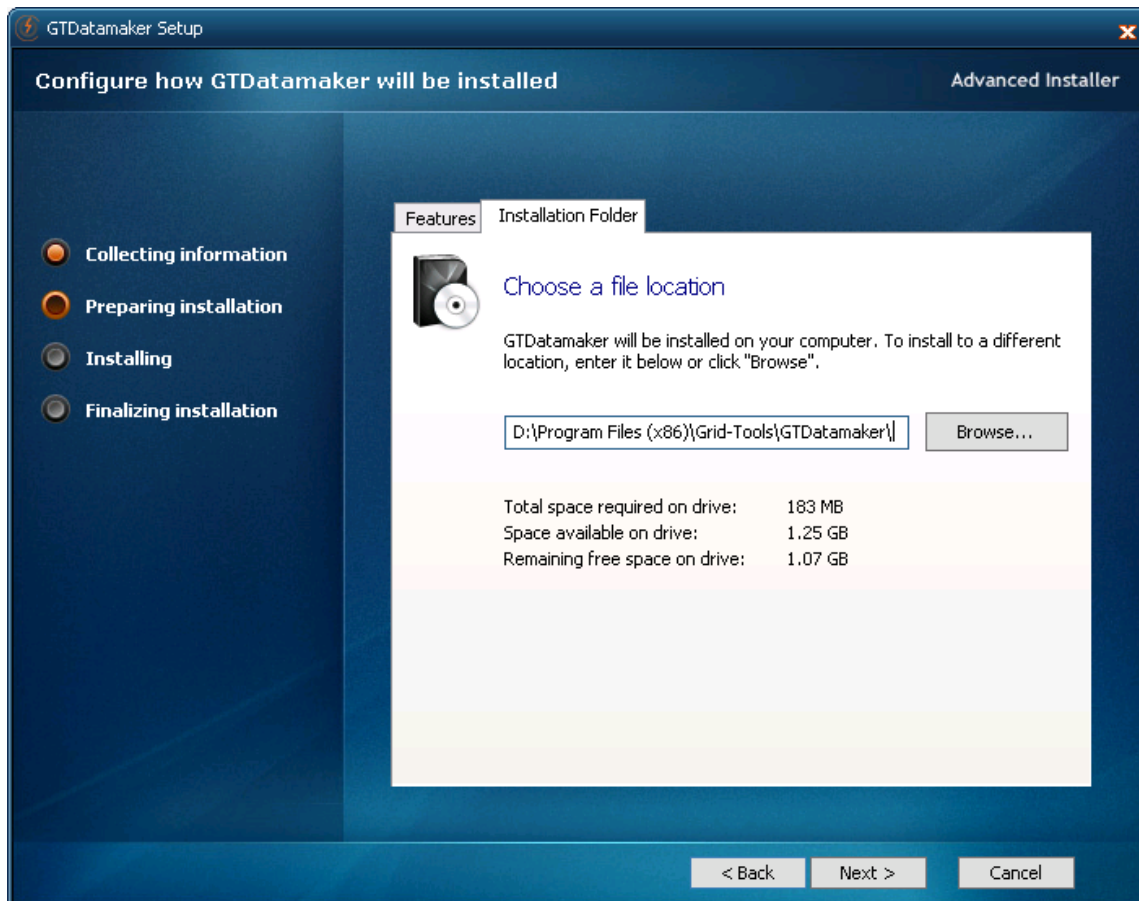


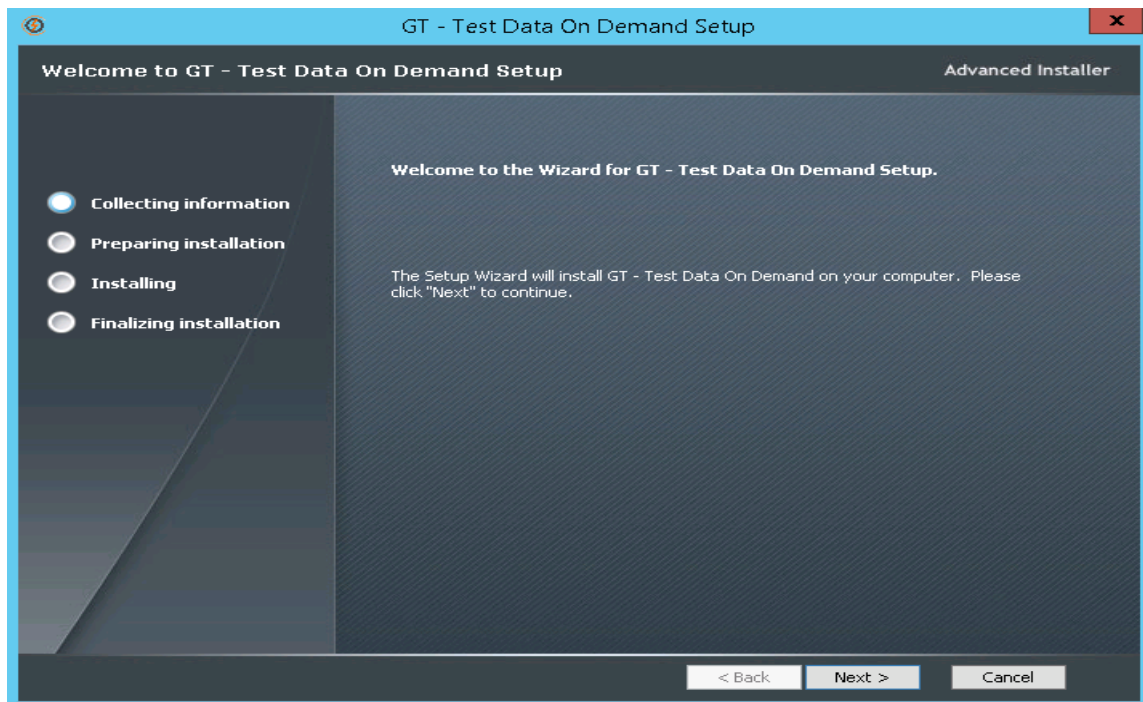
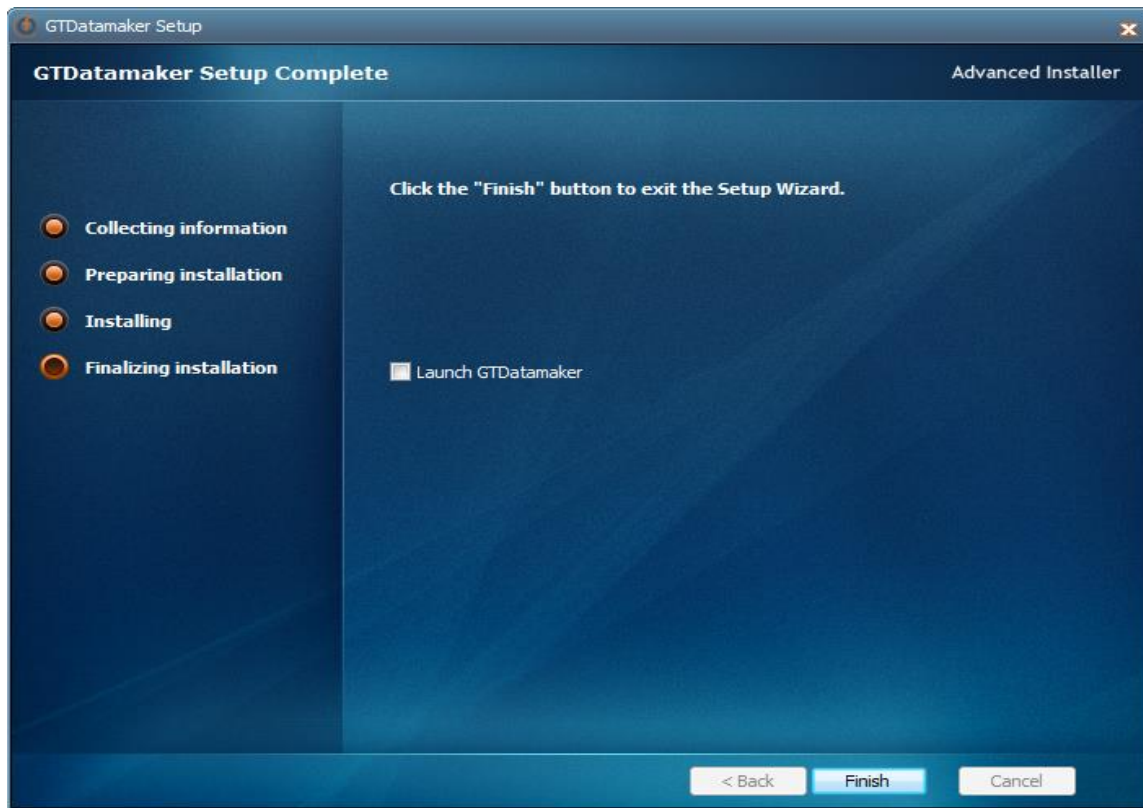


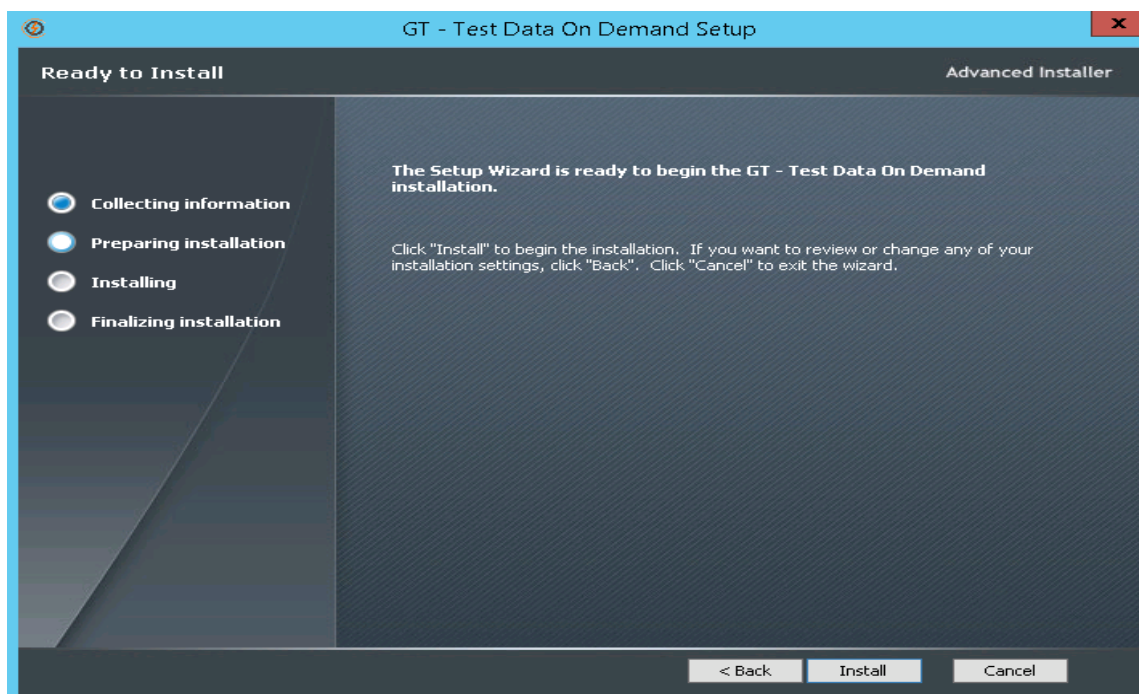
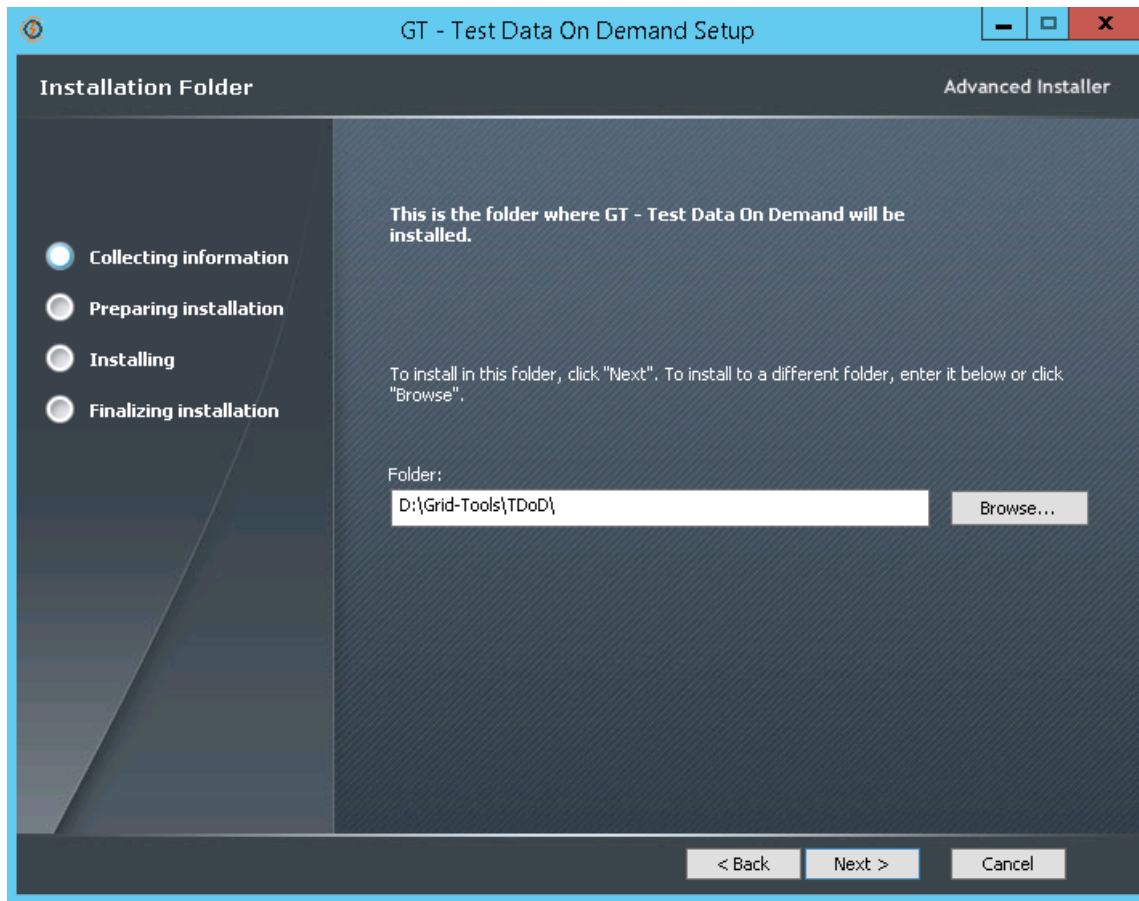




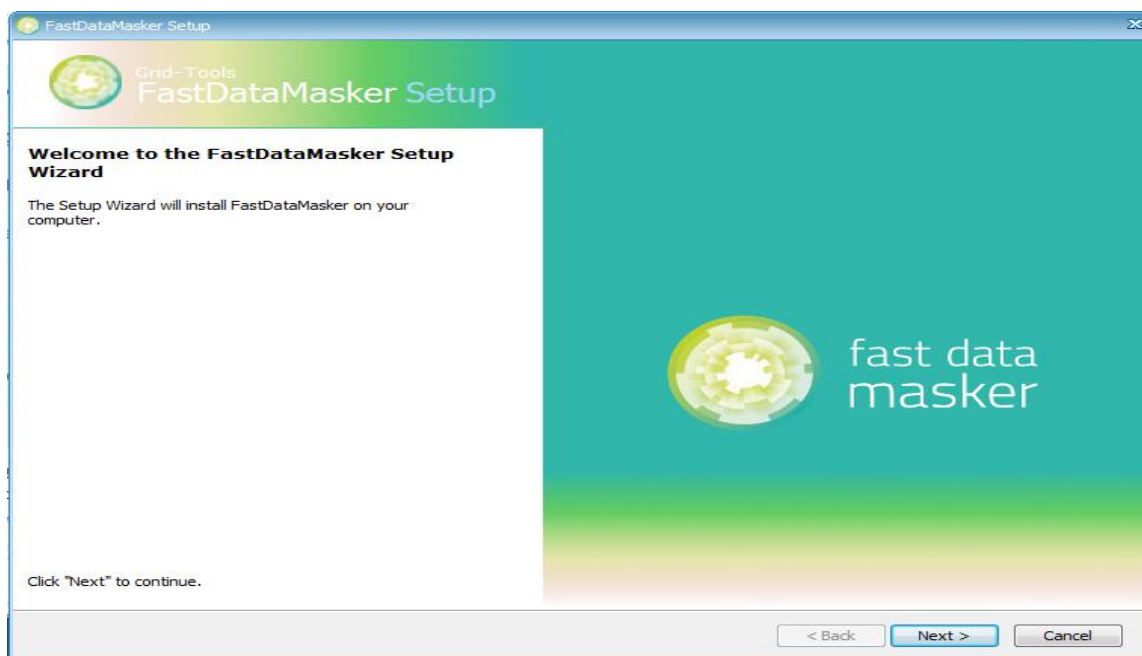
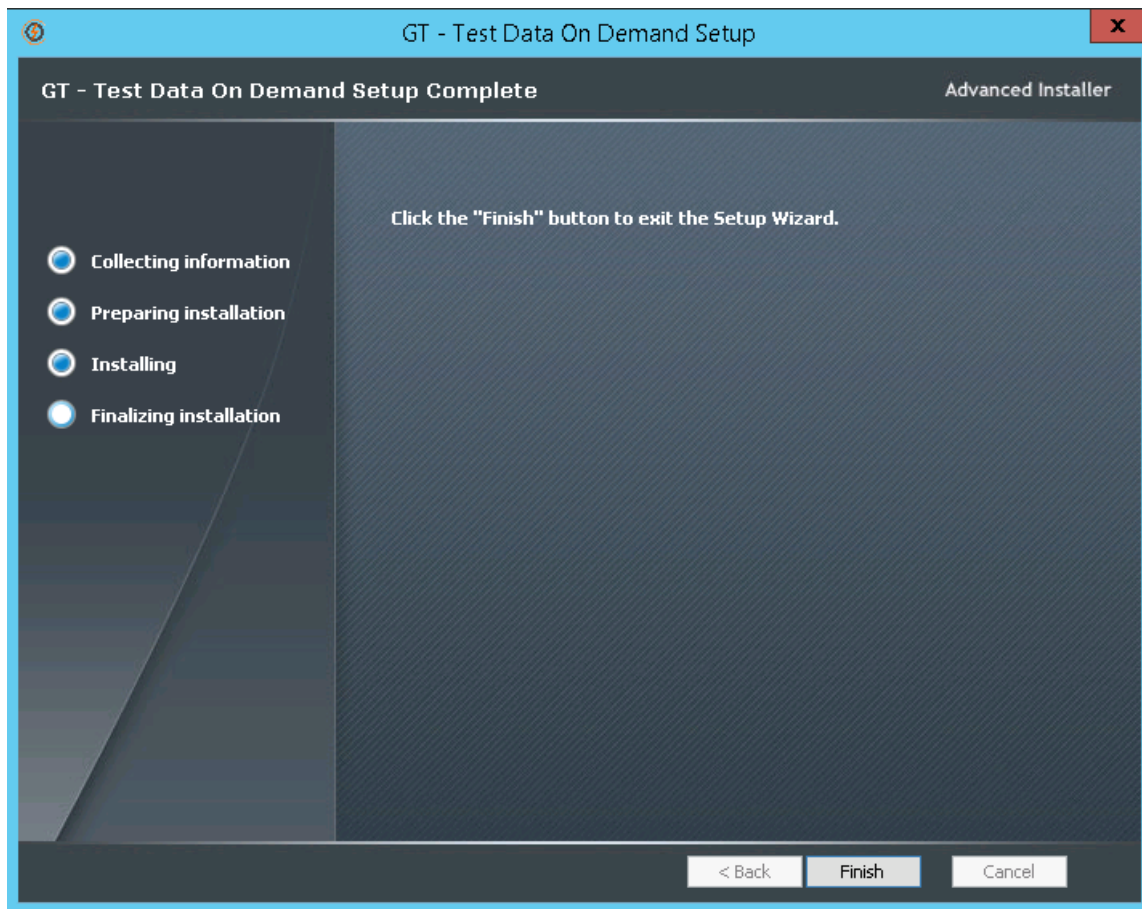


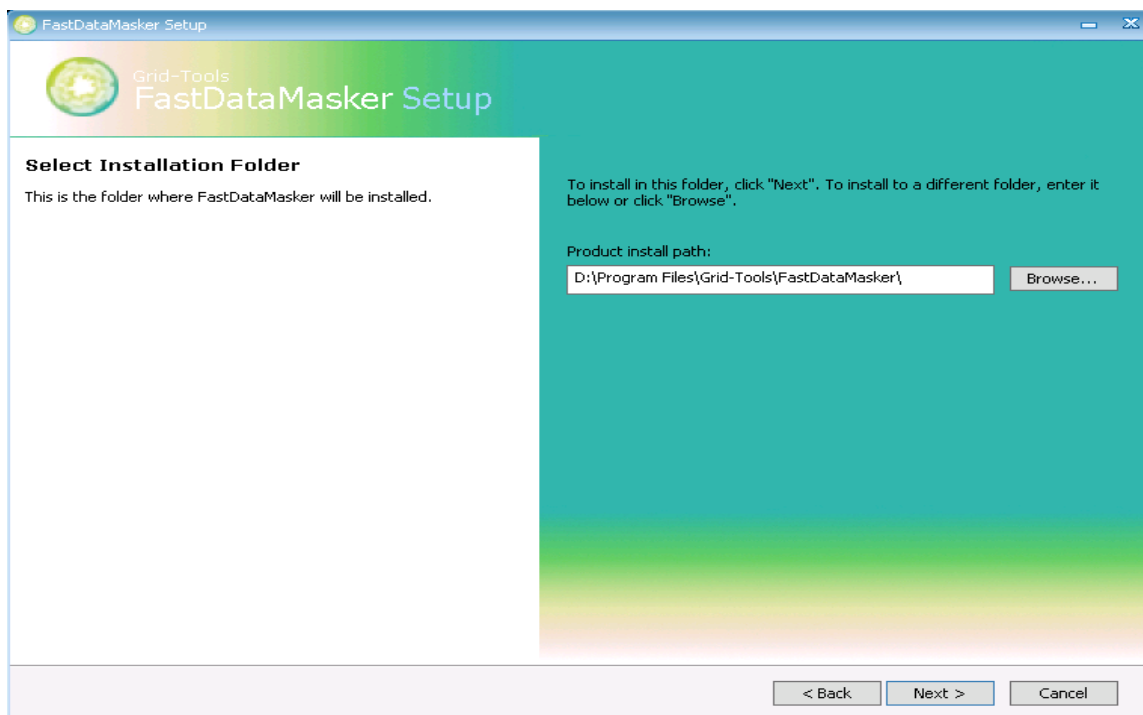
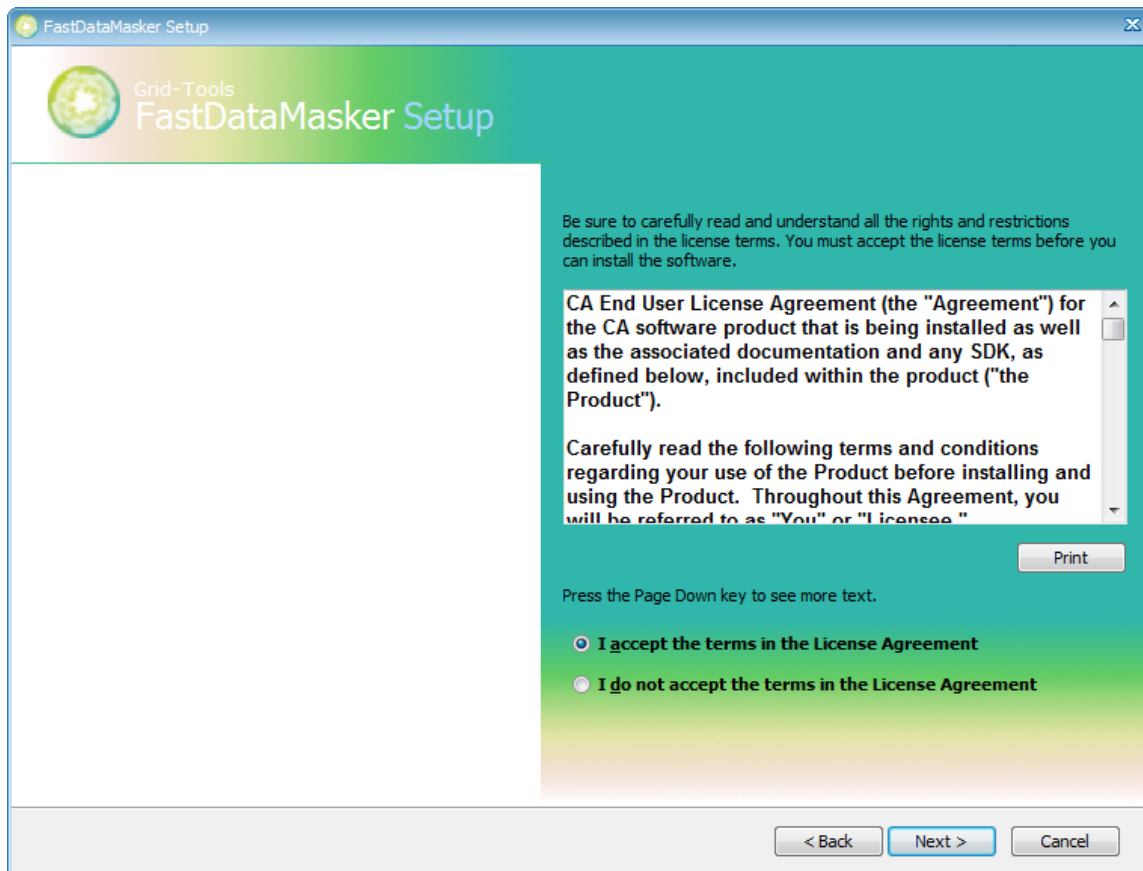




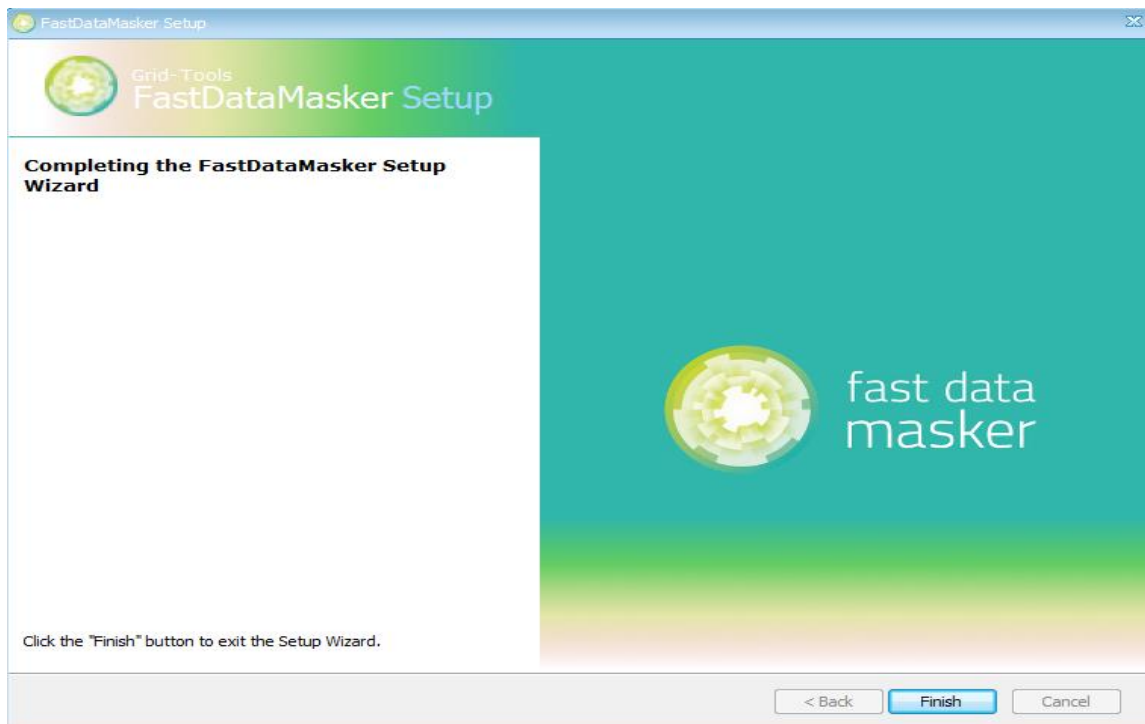
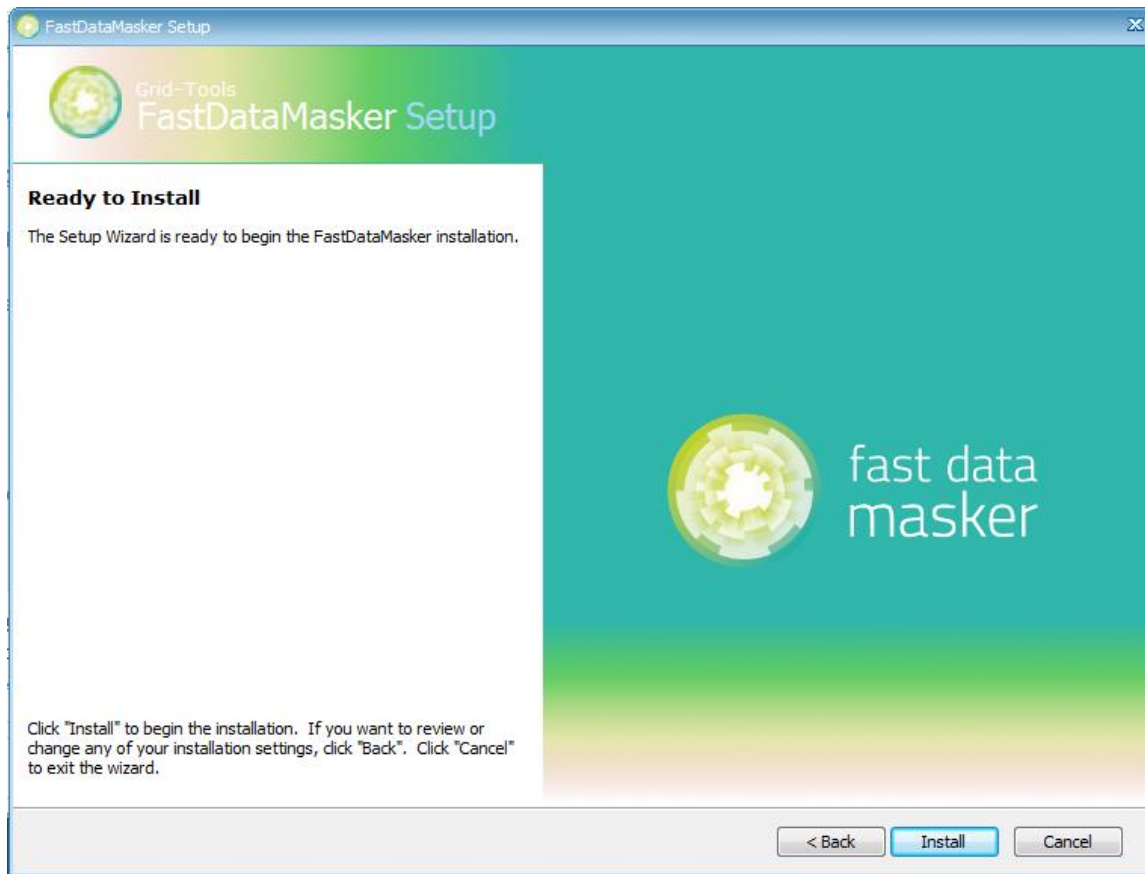


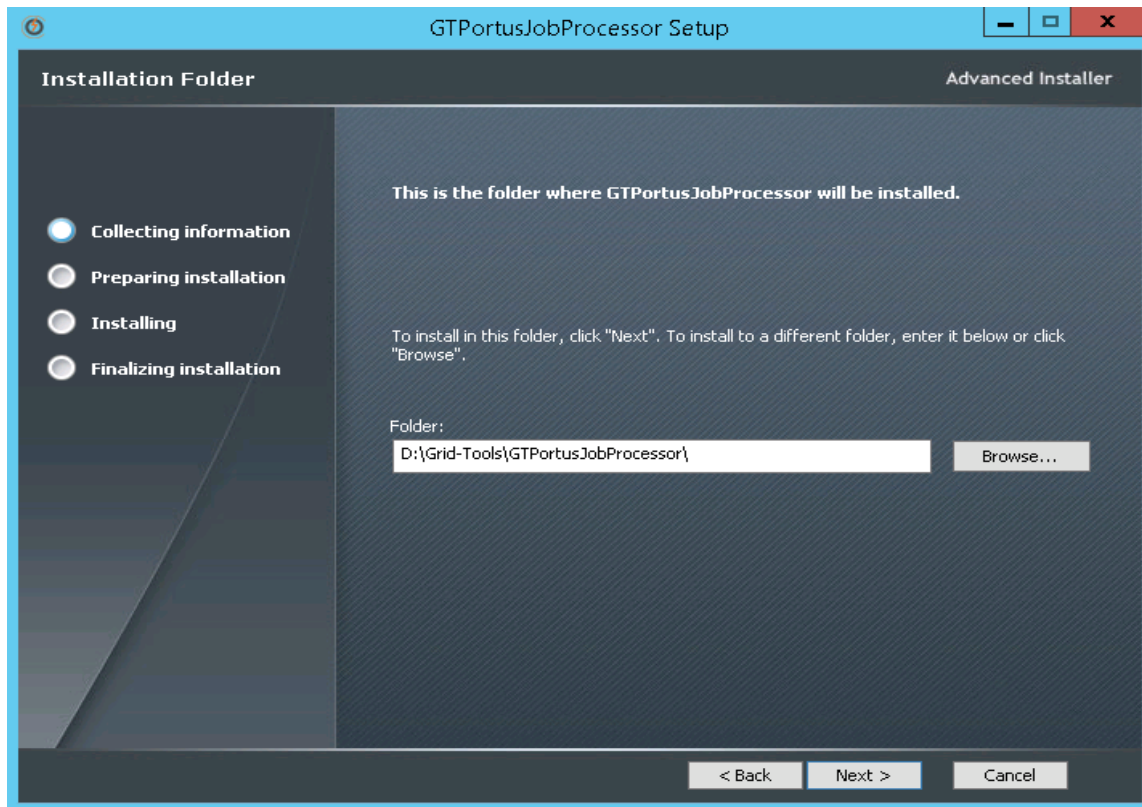
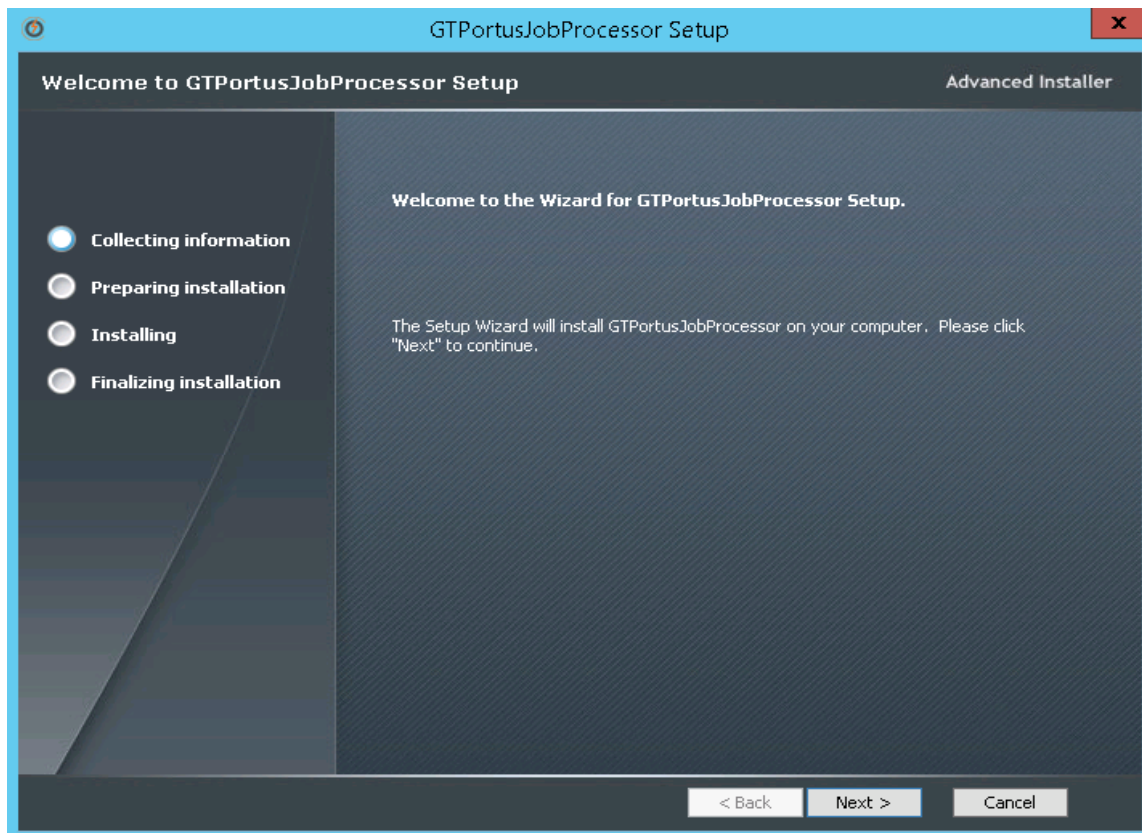


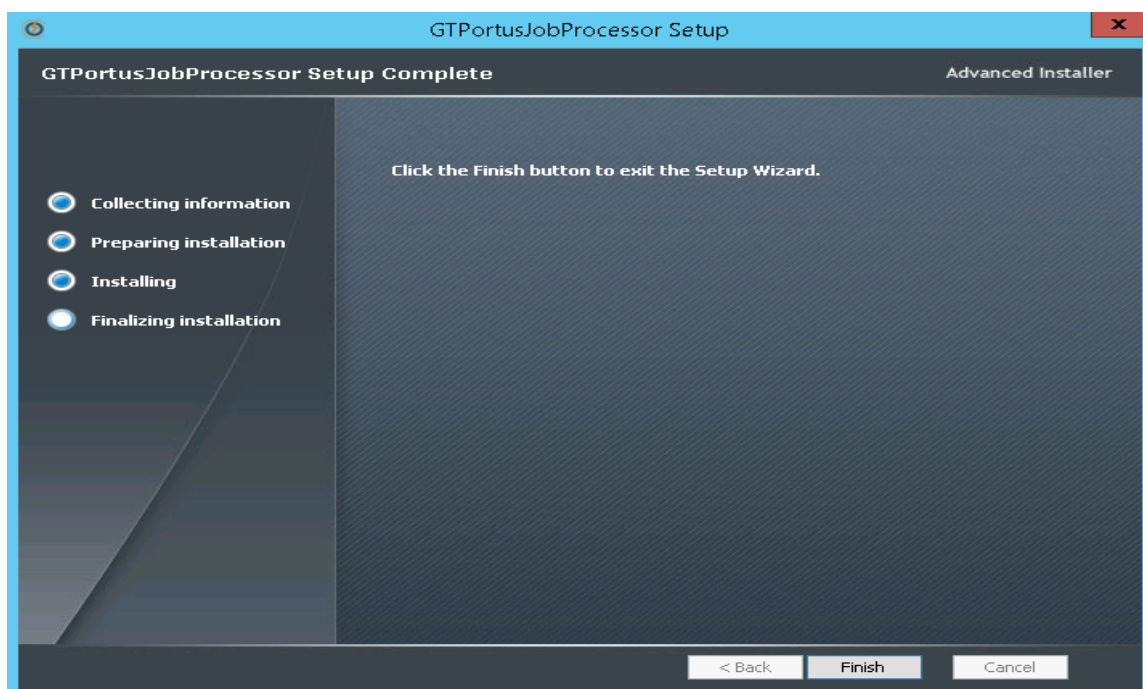
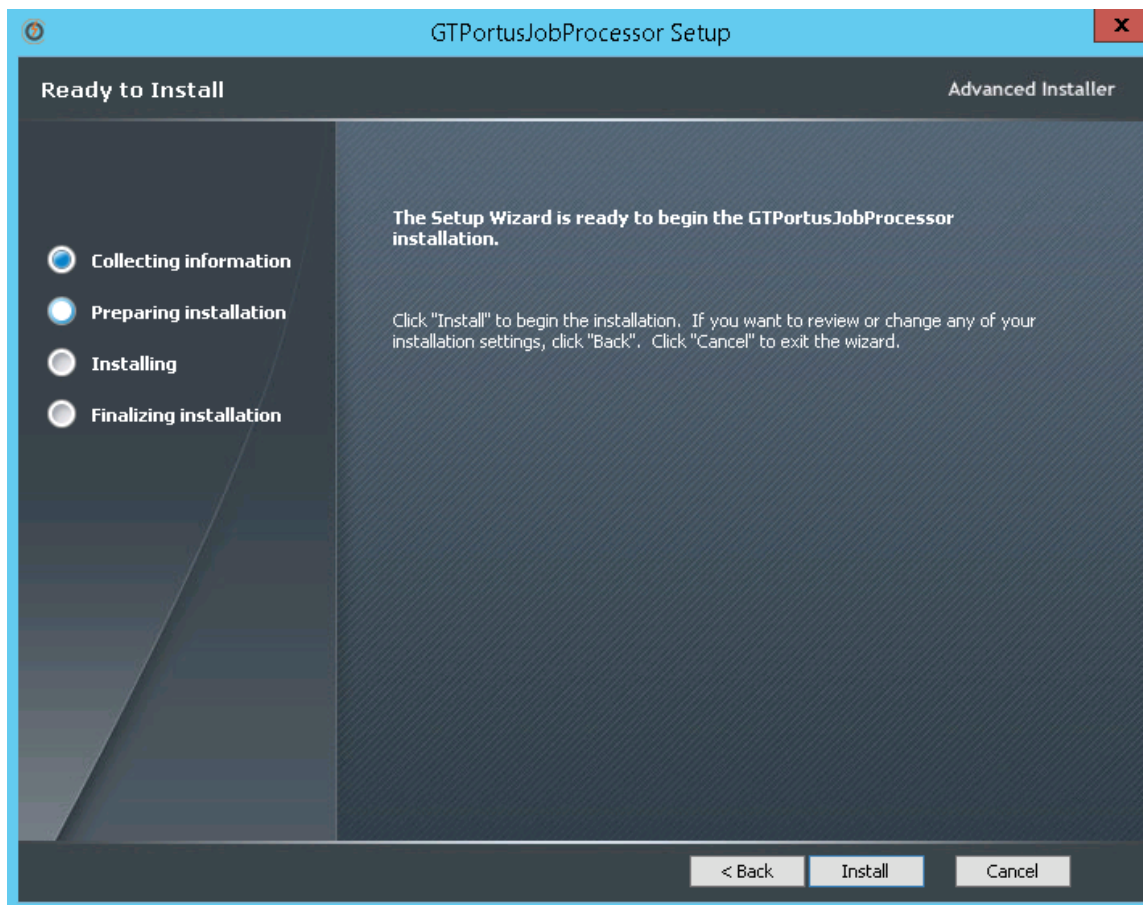




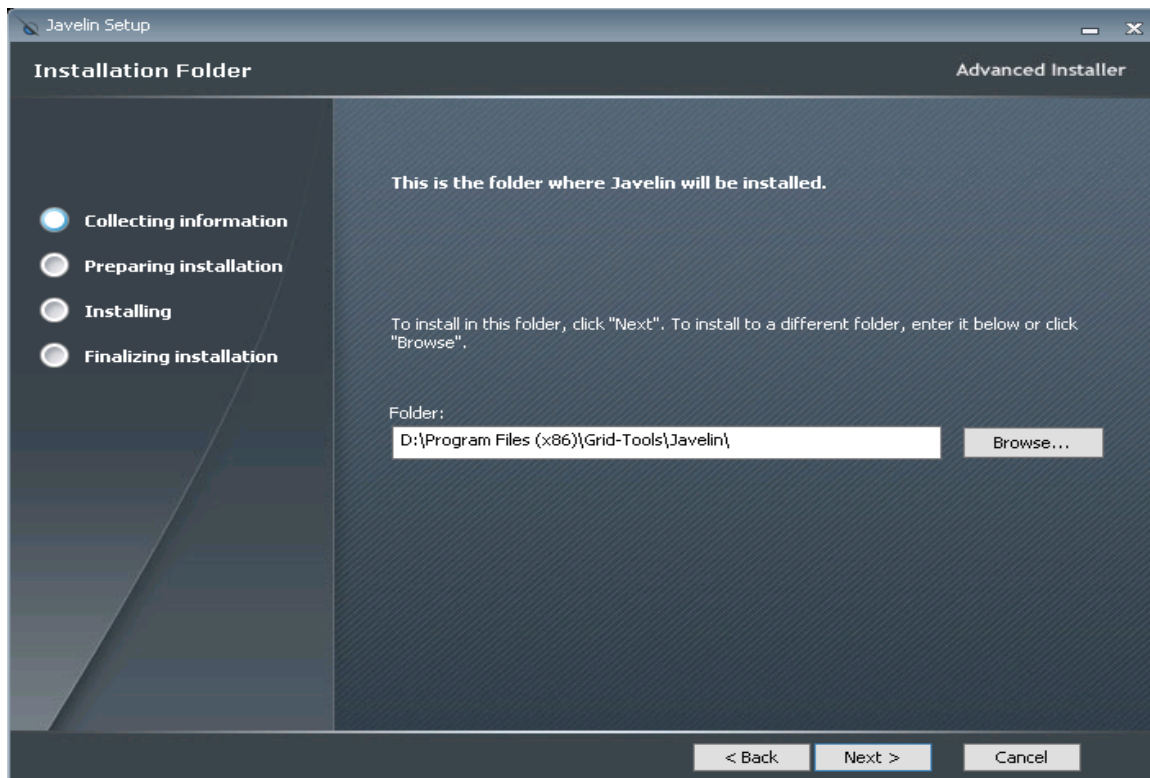
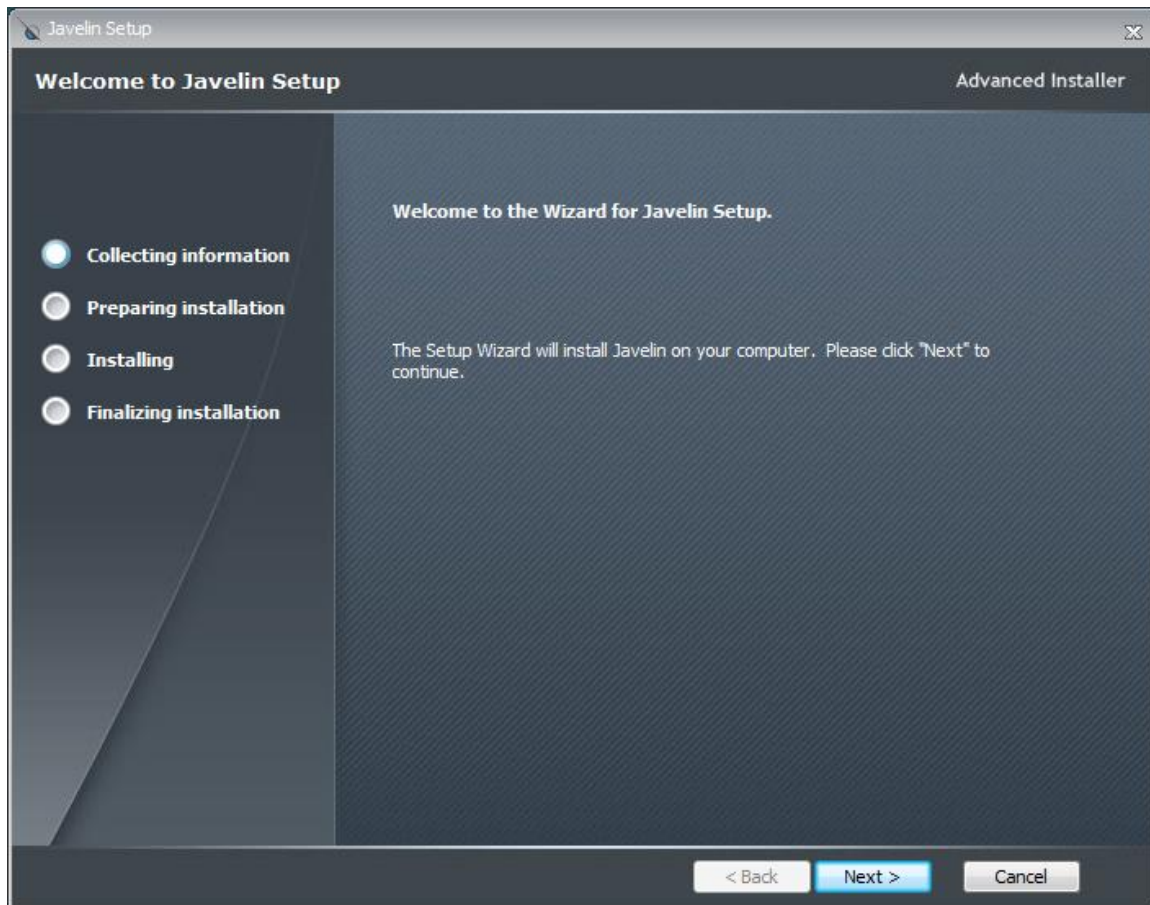


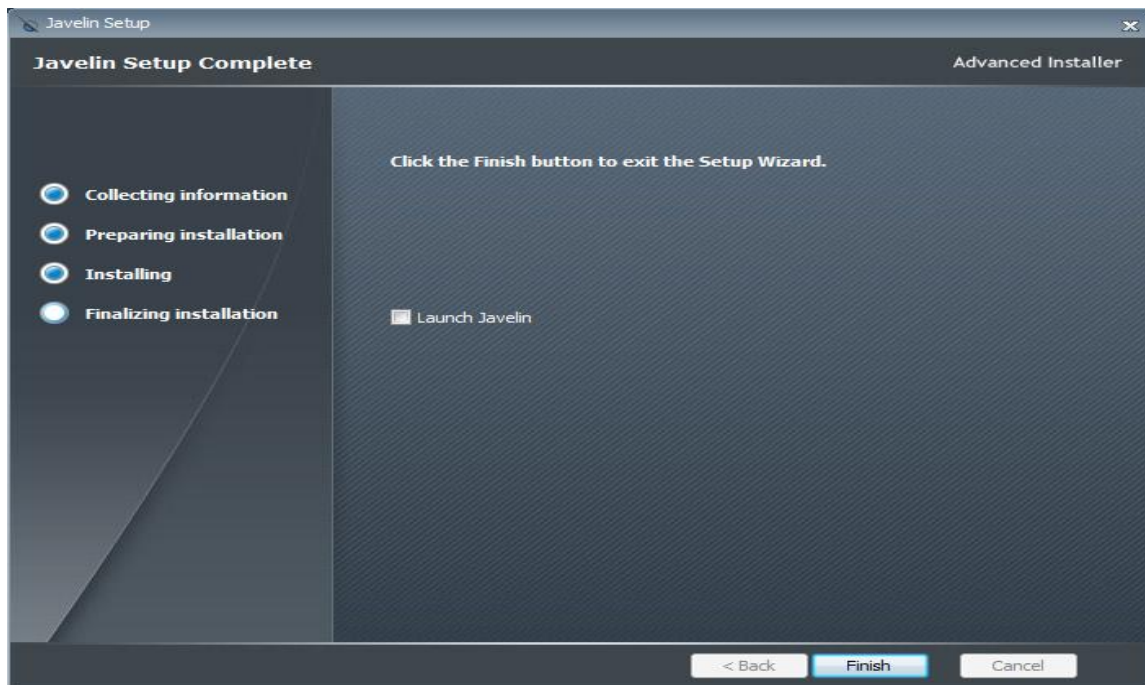
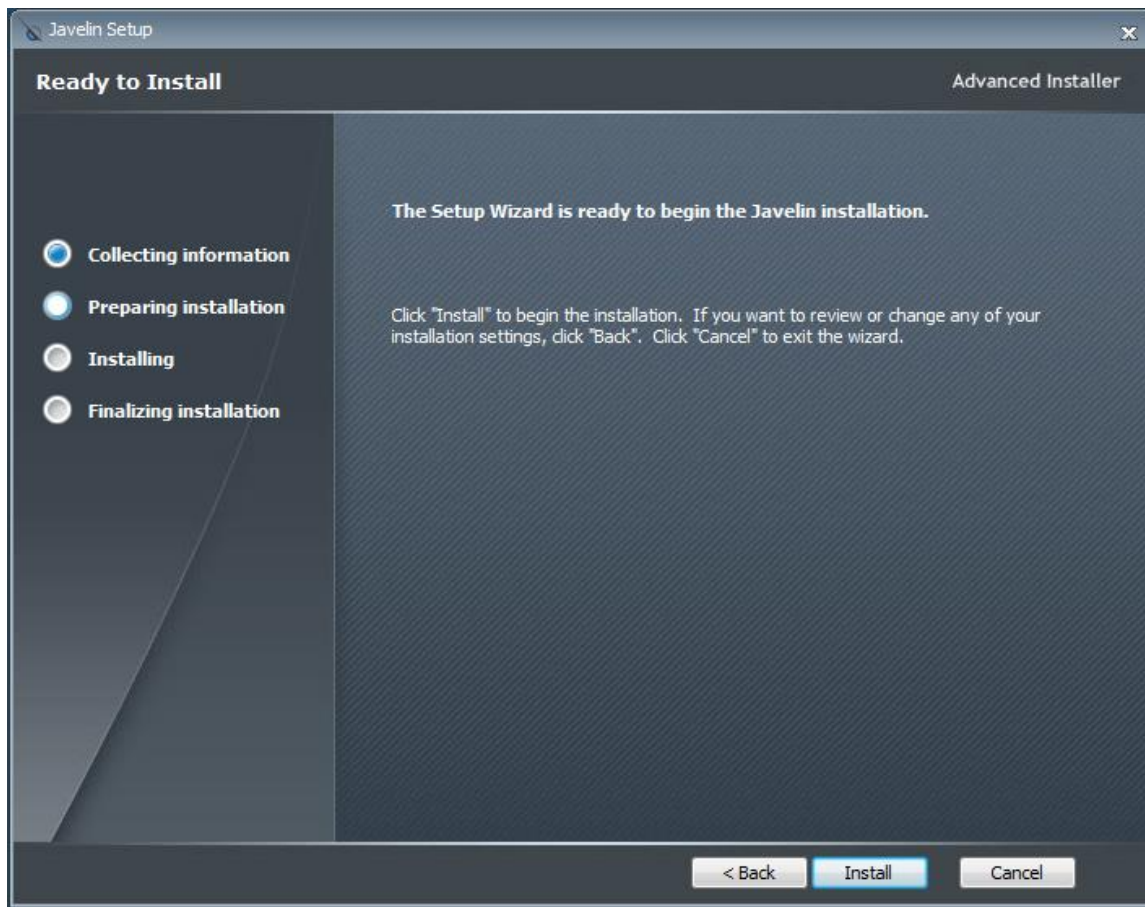


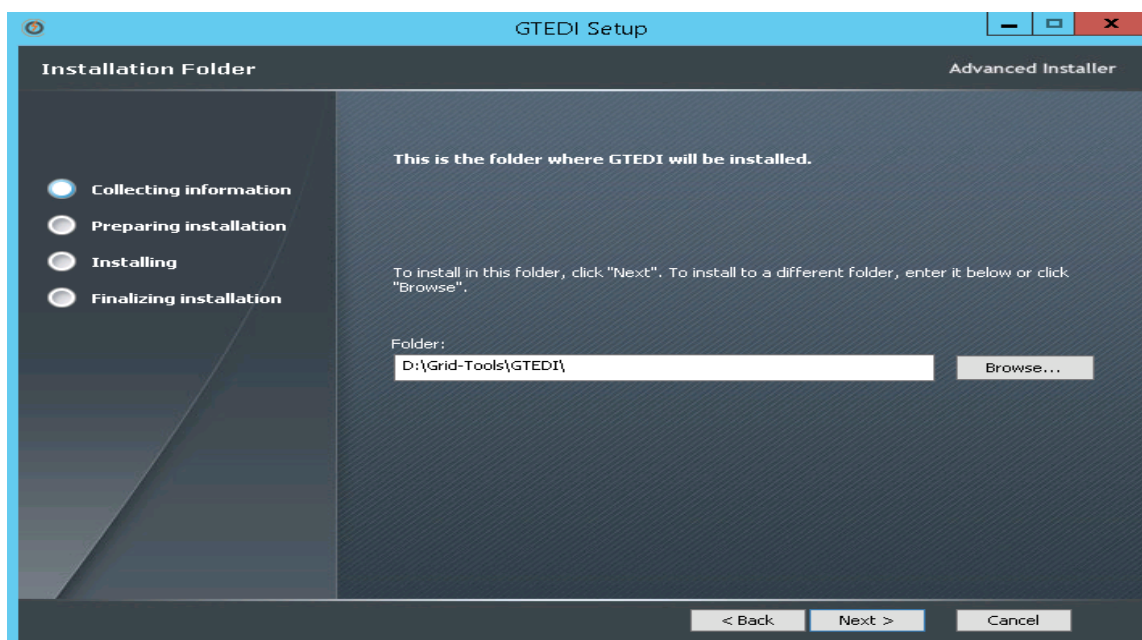
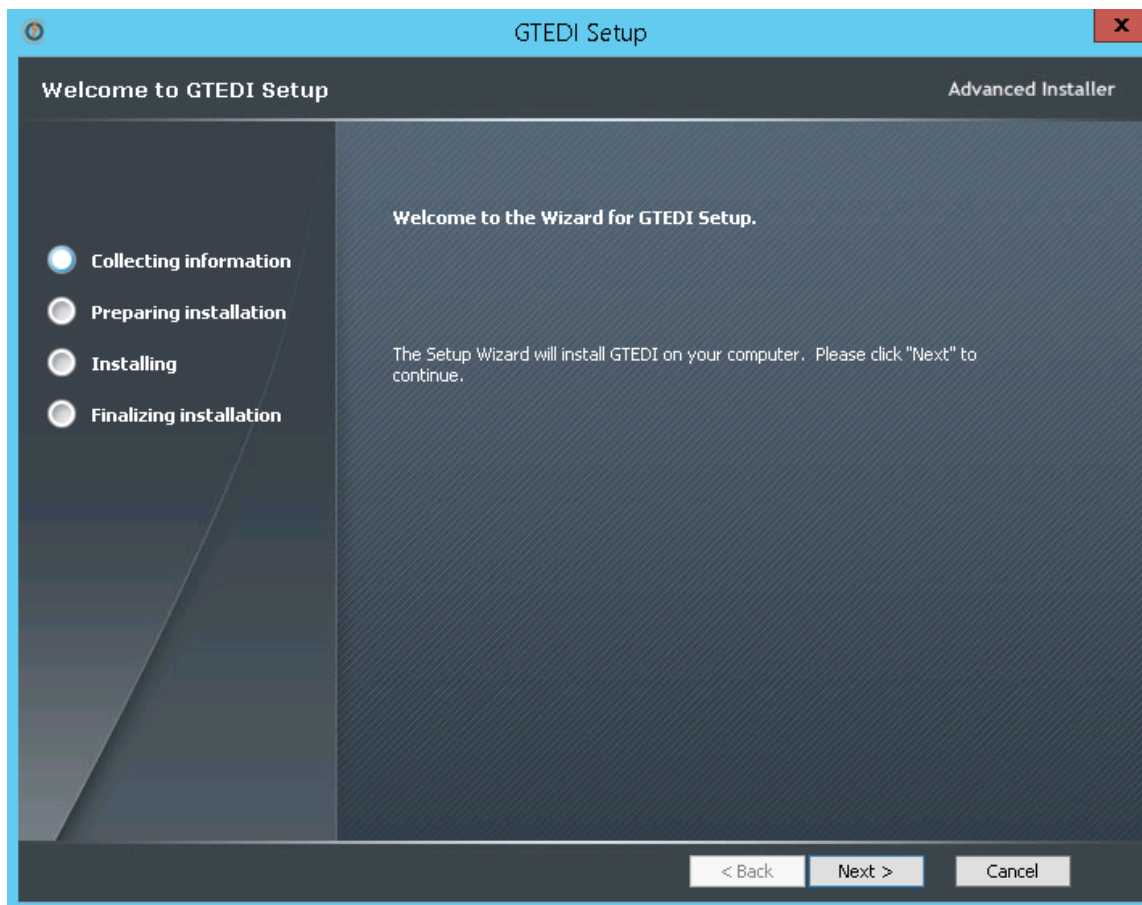




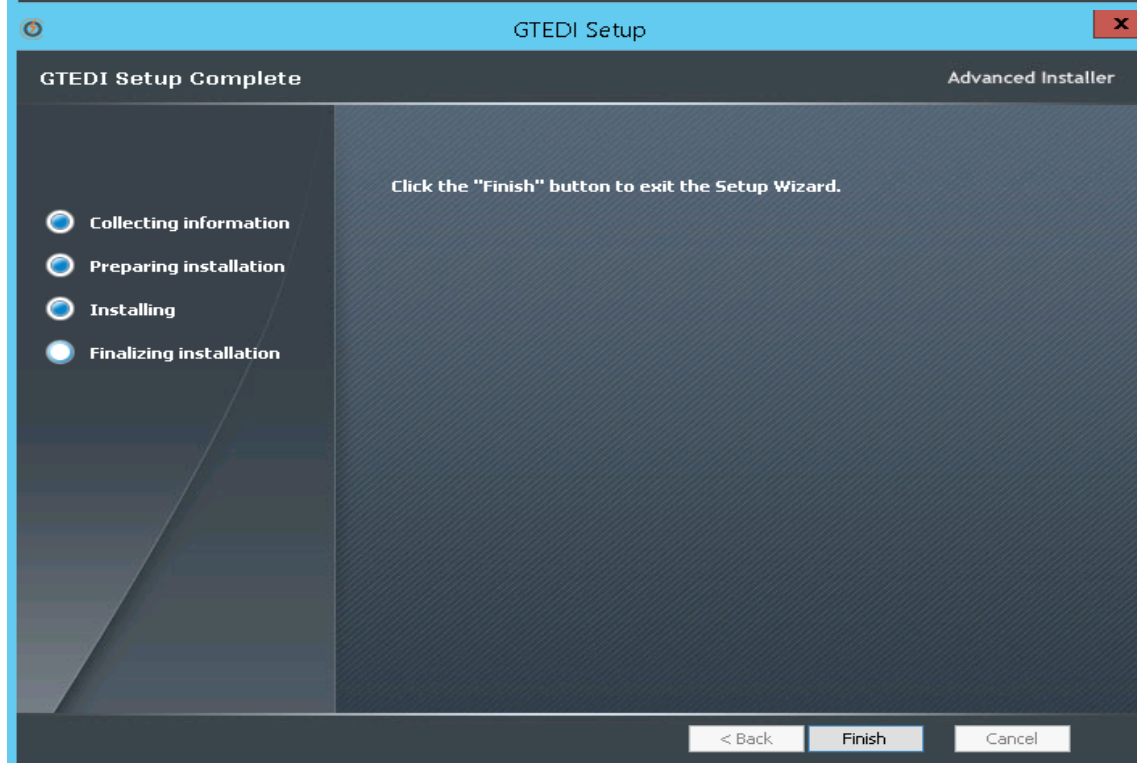
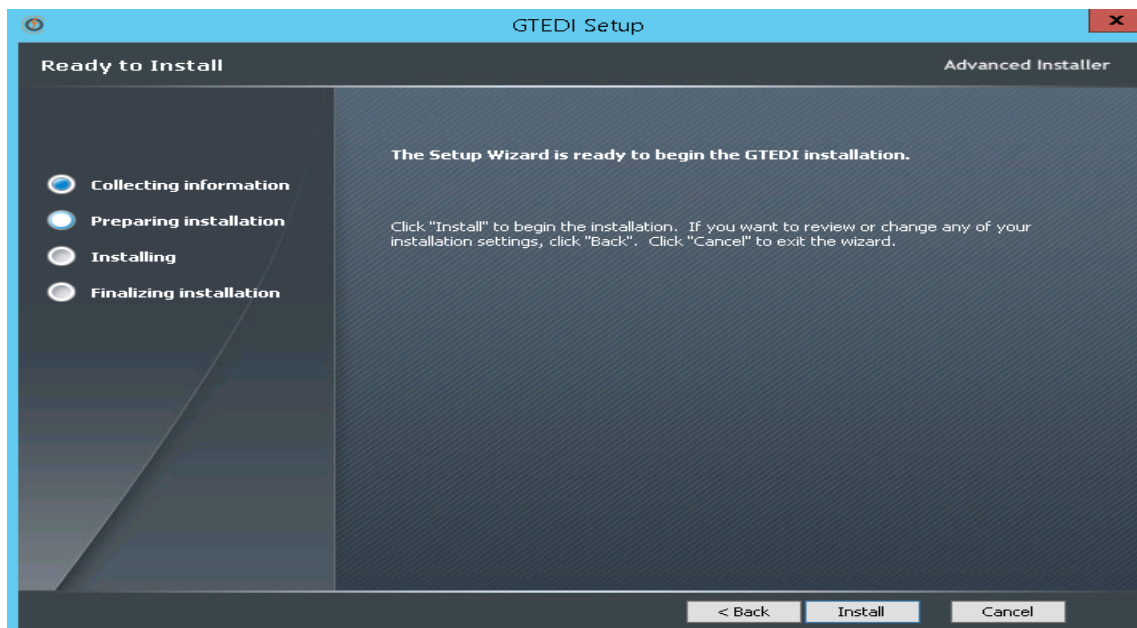


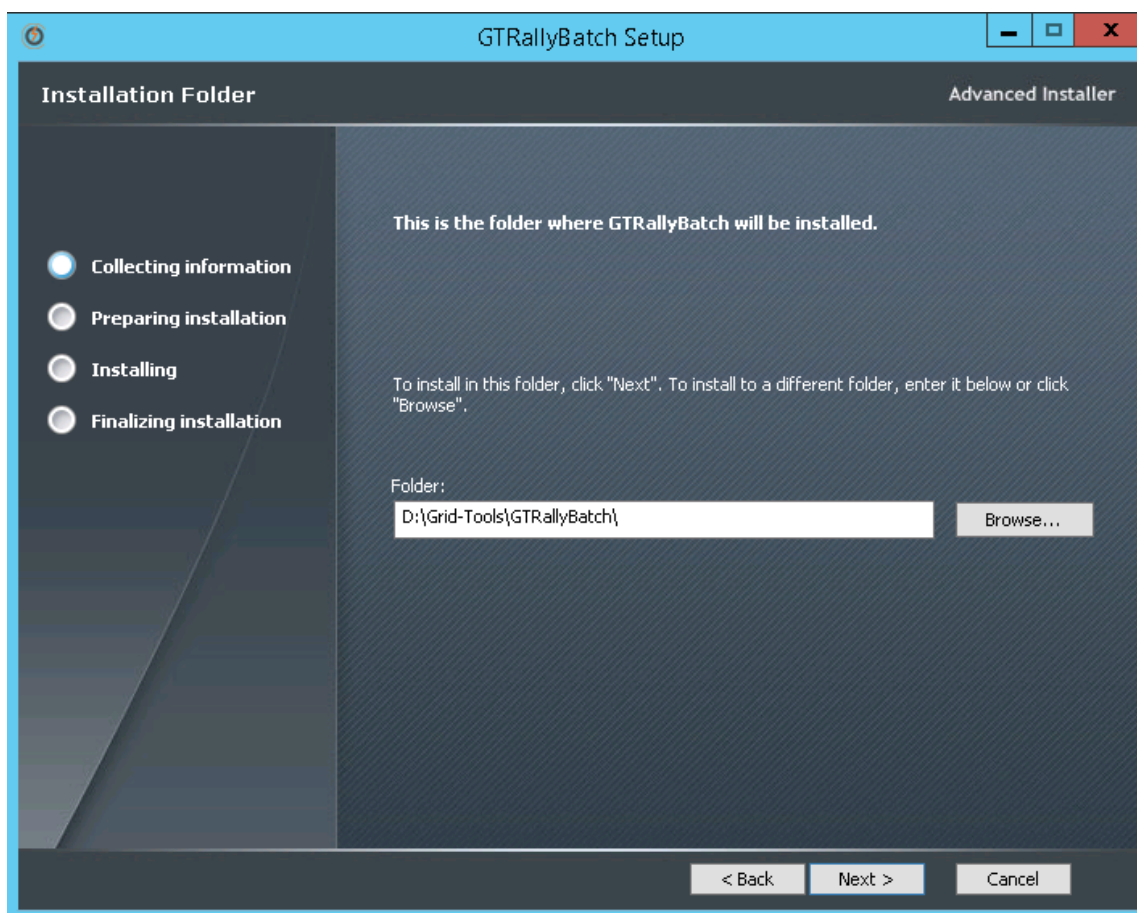
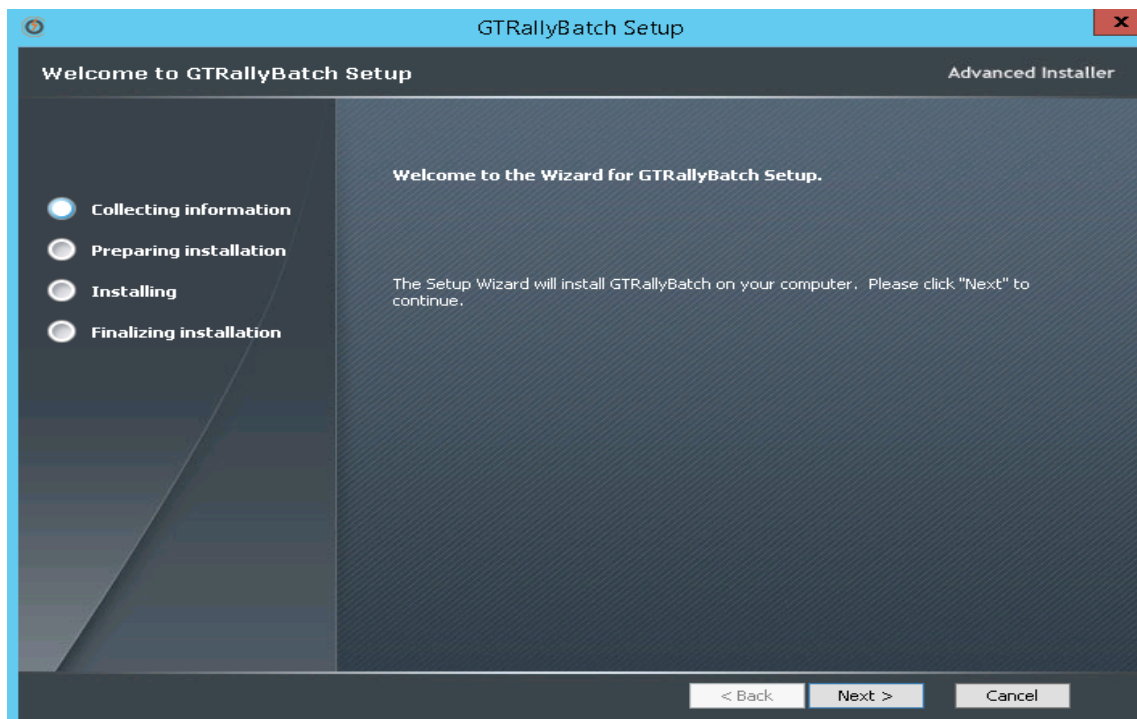




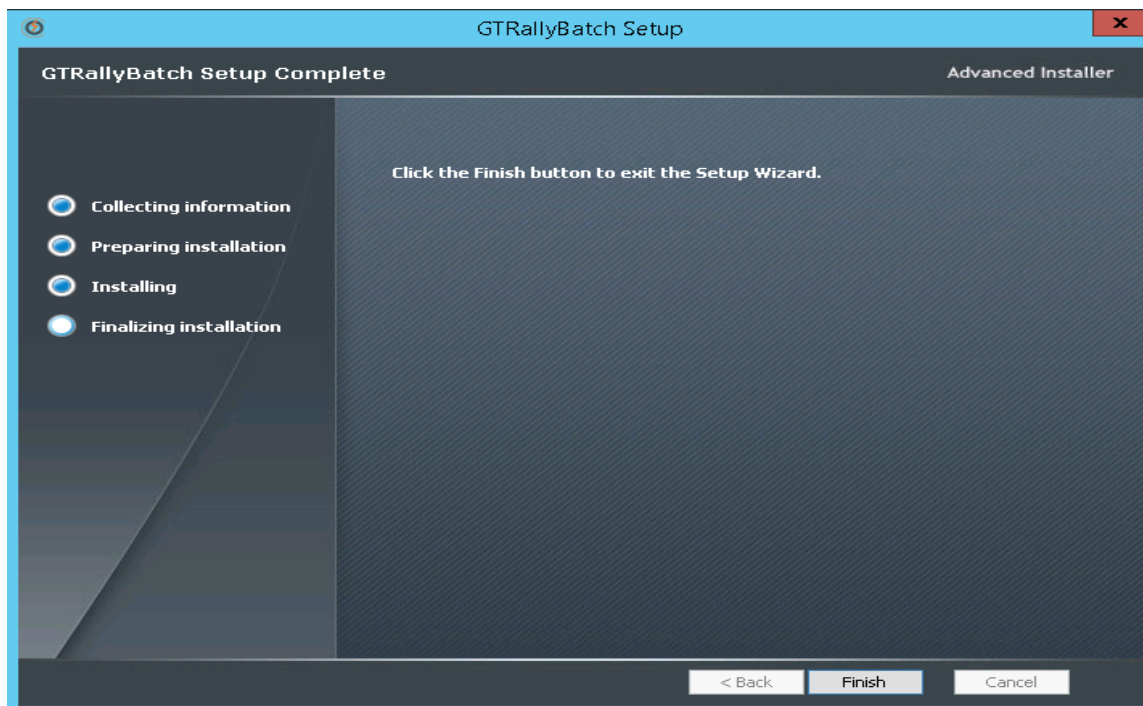
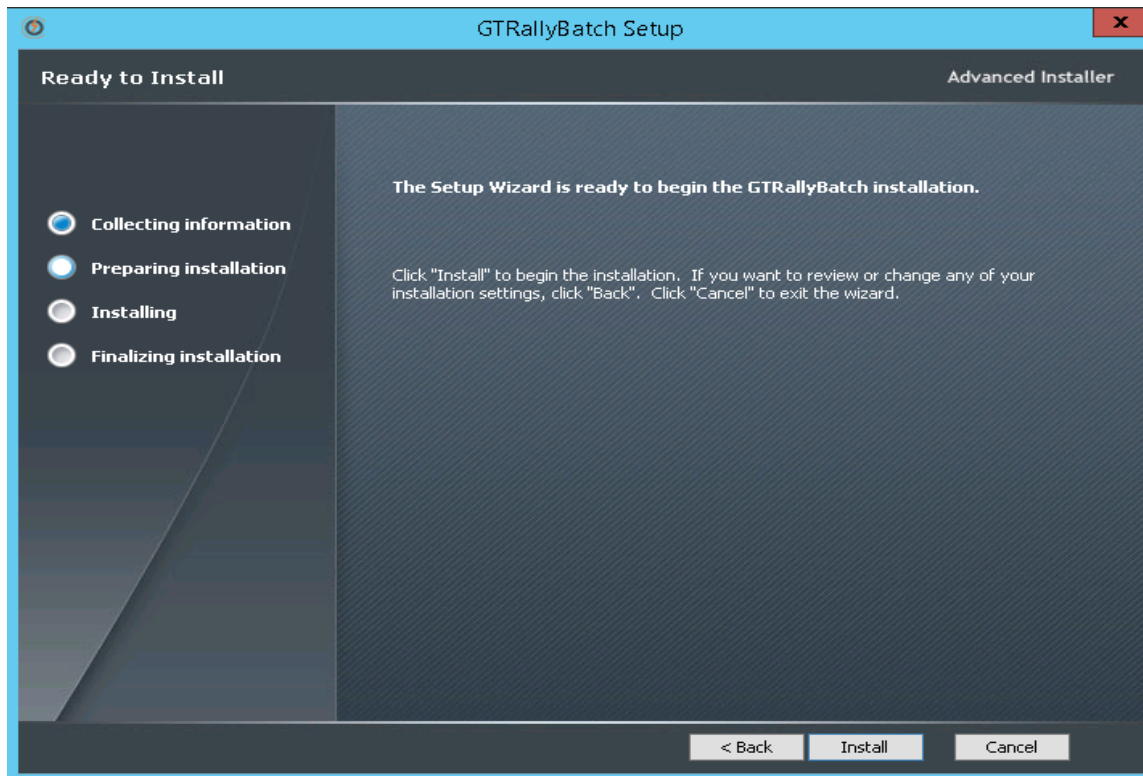


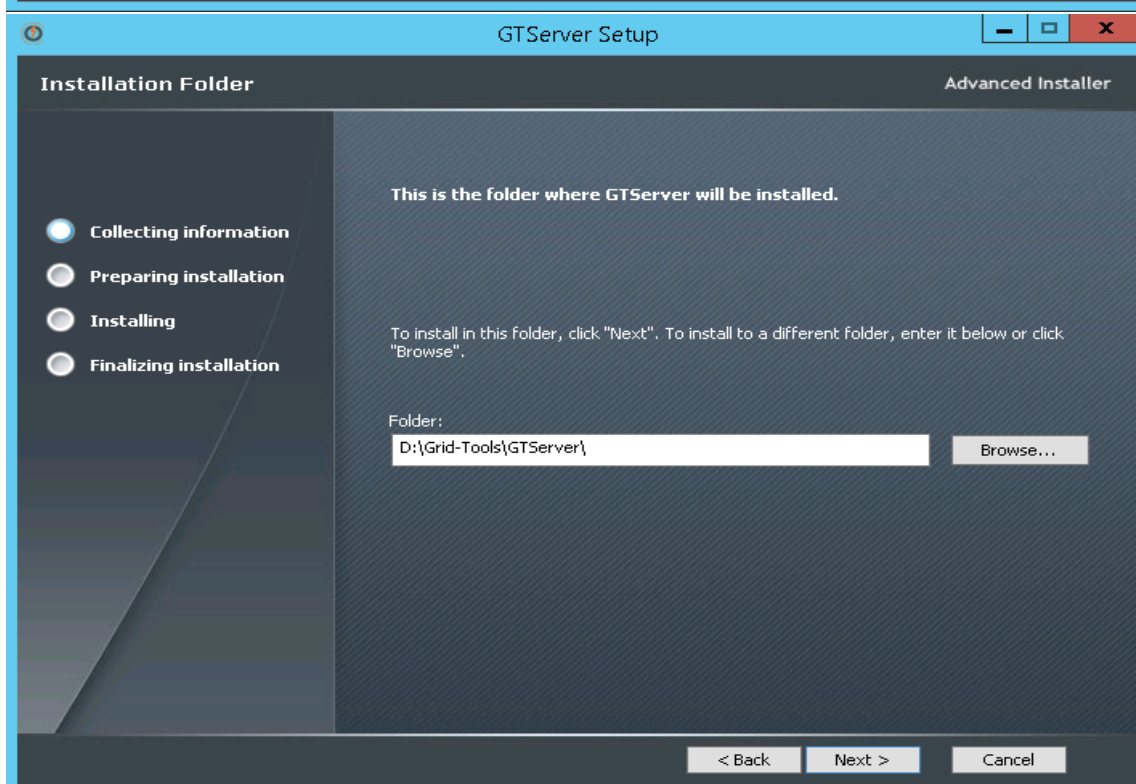
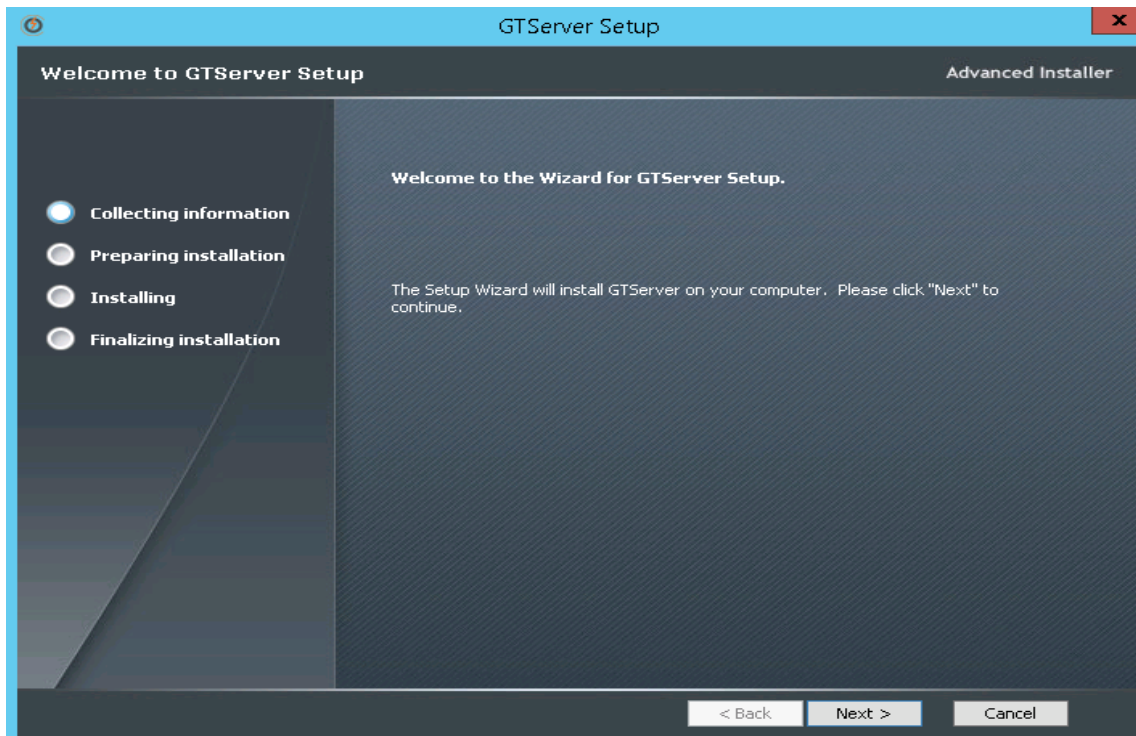


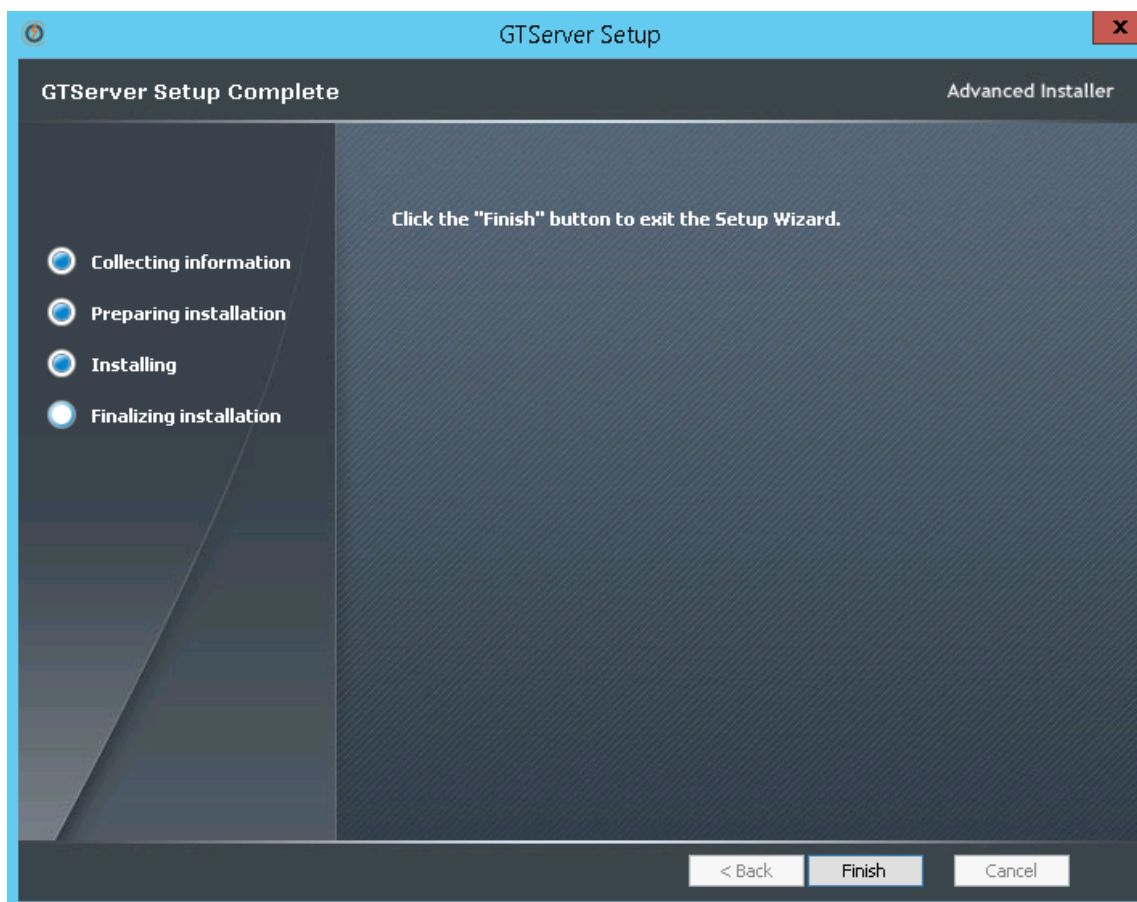
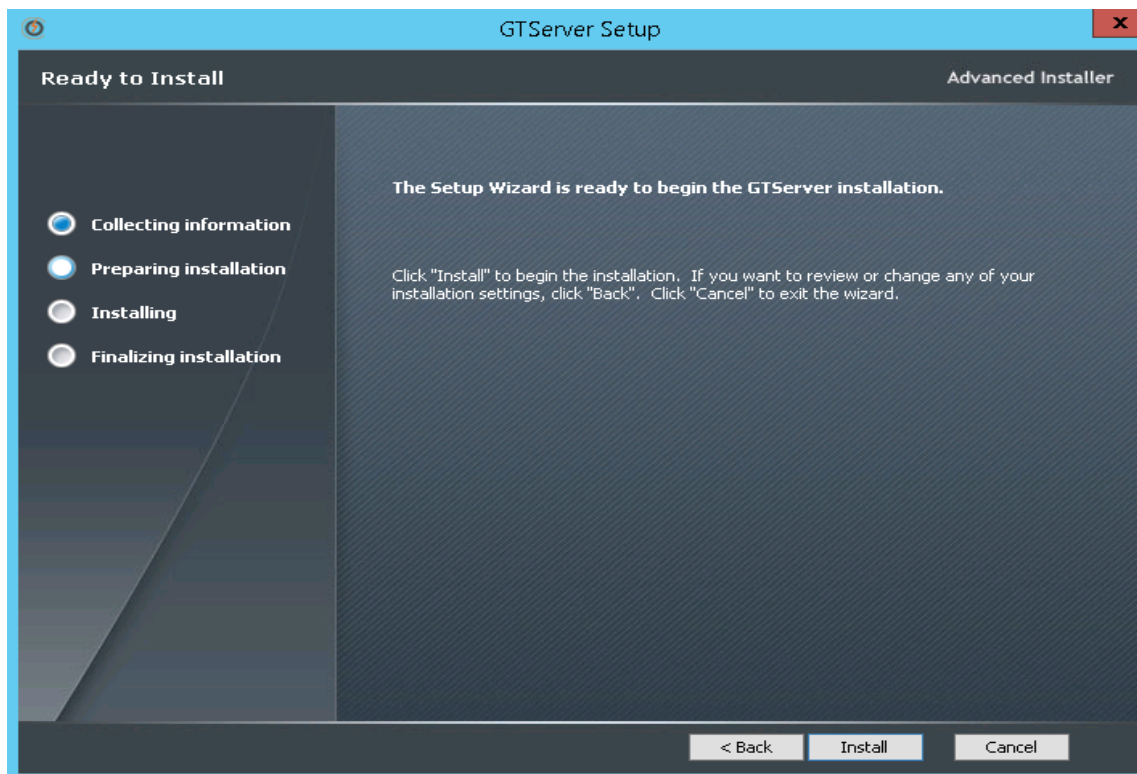












### 3.3 Renaming rep.xml file and syncing the repository database

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.

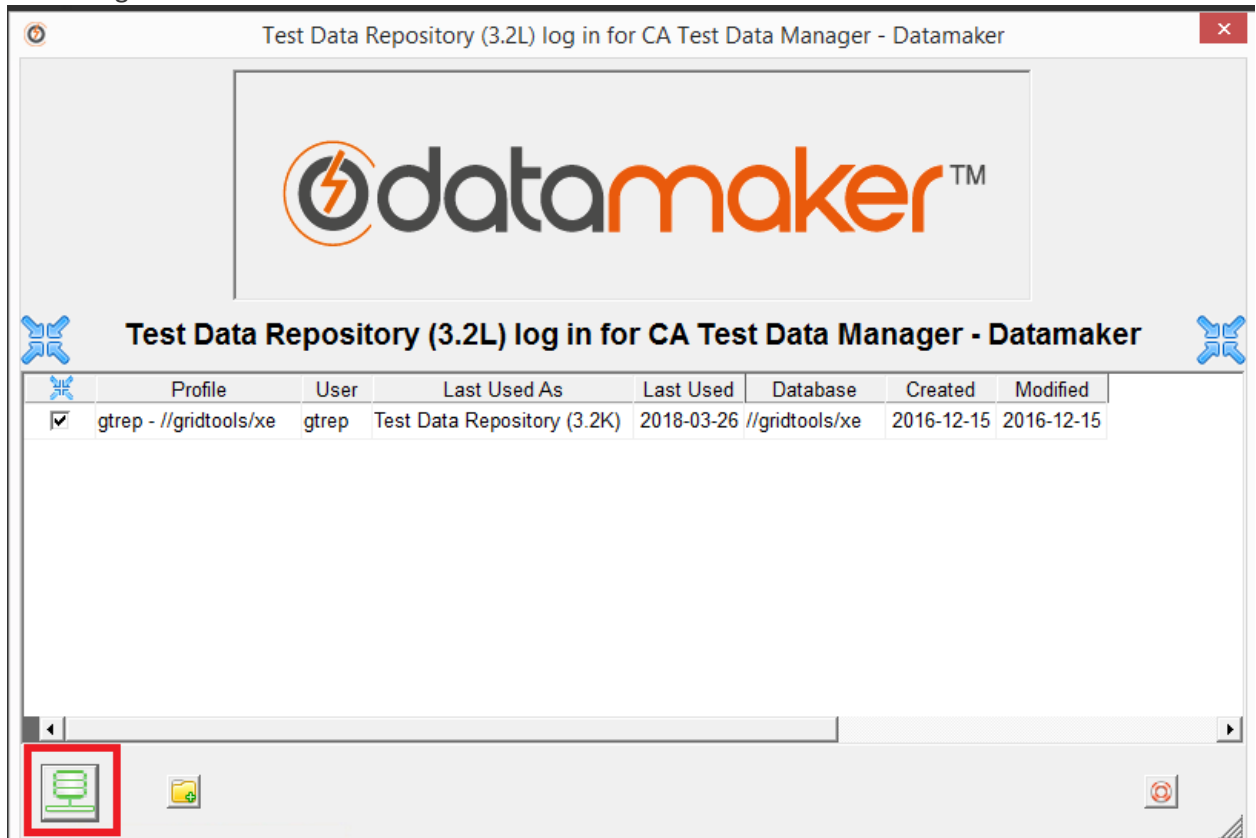
2. Navigate to the TDM\_HOME\Grid-Tools\GTDatamaker directory, and rename the rep.xml file to rep-old.xml.
3. From the Windows Explorer dialog, type %appdata% into the file path and select the Grid-Tools folder in the results. Rename the rep.xml to rep-old.xml in this folder. If the rep.xml file does not exist at this location, skip to step 4.

4. Launch Datamaker again.

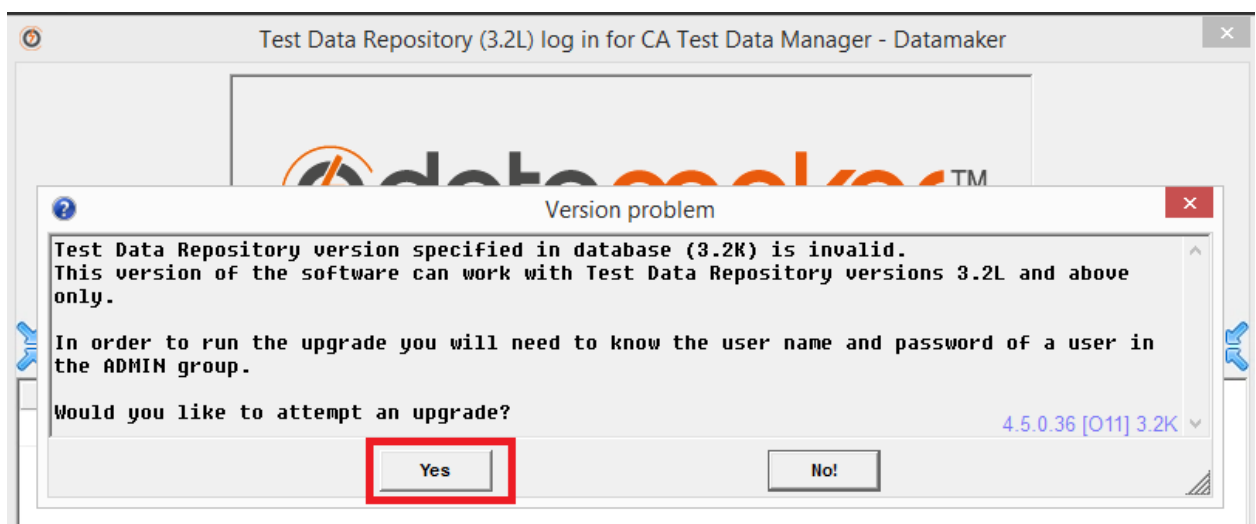
The Test Data Repository log in for CA Test Data Manager dialog opens. It includes the repository profile that you selected in the last installation.



5. Click the green database connection button.

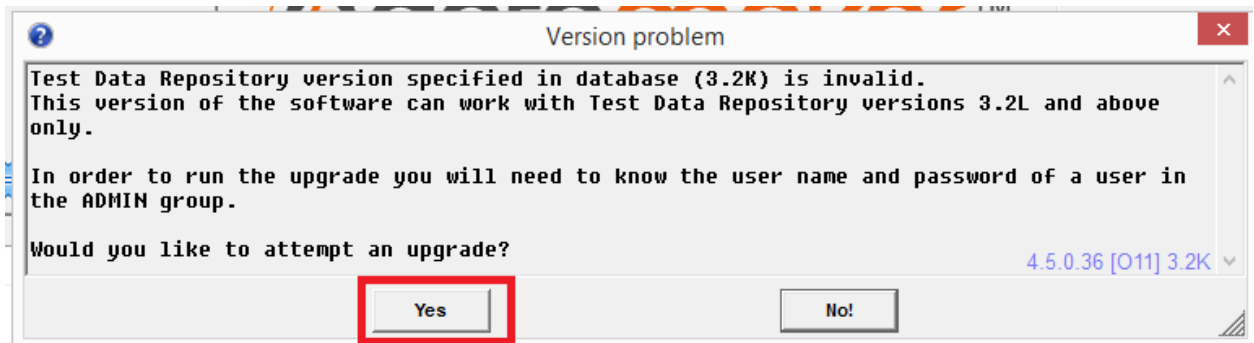


The following message appears:



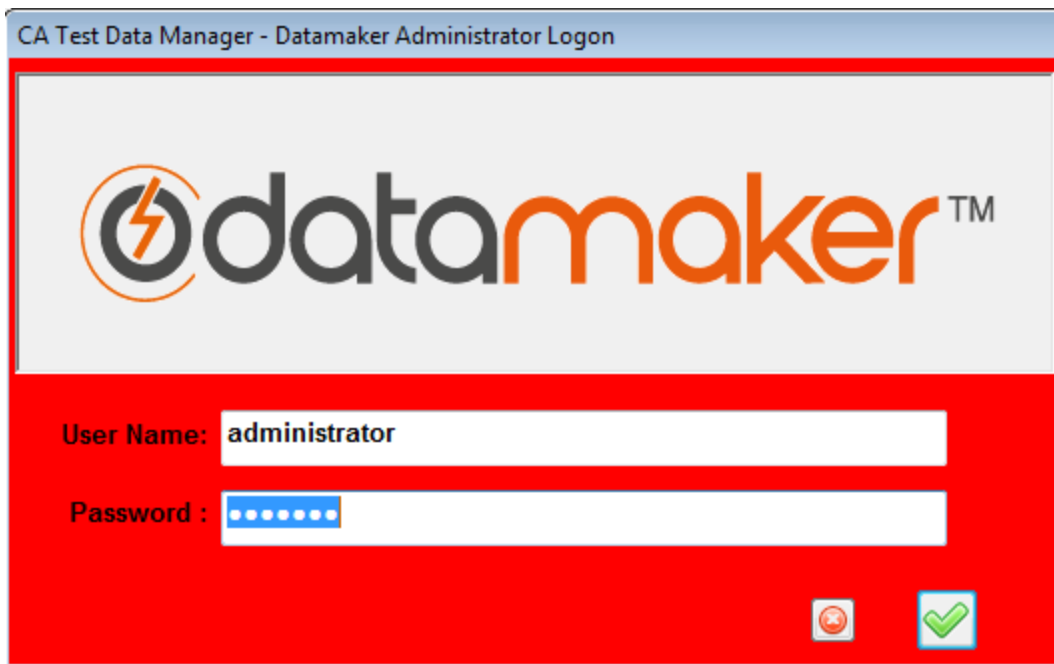
Note that if you do not see this message, it is most likely that the user that installed the product is not performing the upgrade. If this is the case, you will need to create a new repository profile and provide the appropriate connection details. Check the entry for the new profile and click the green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

6. Click Yes.

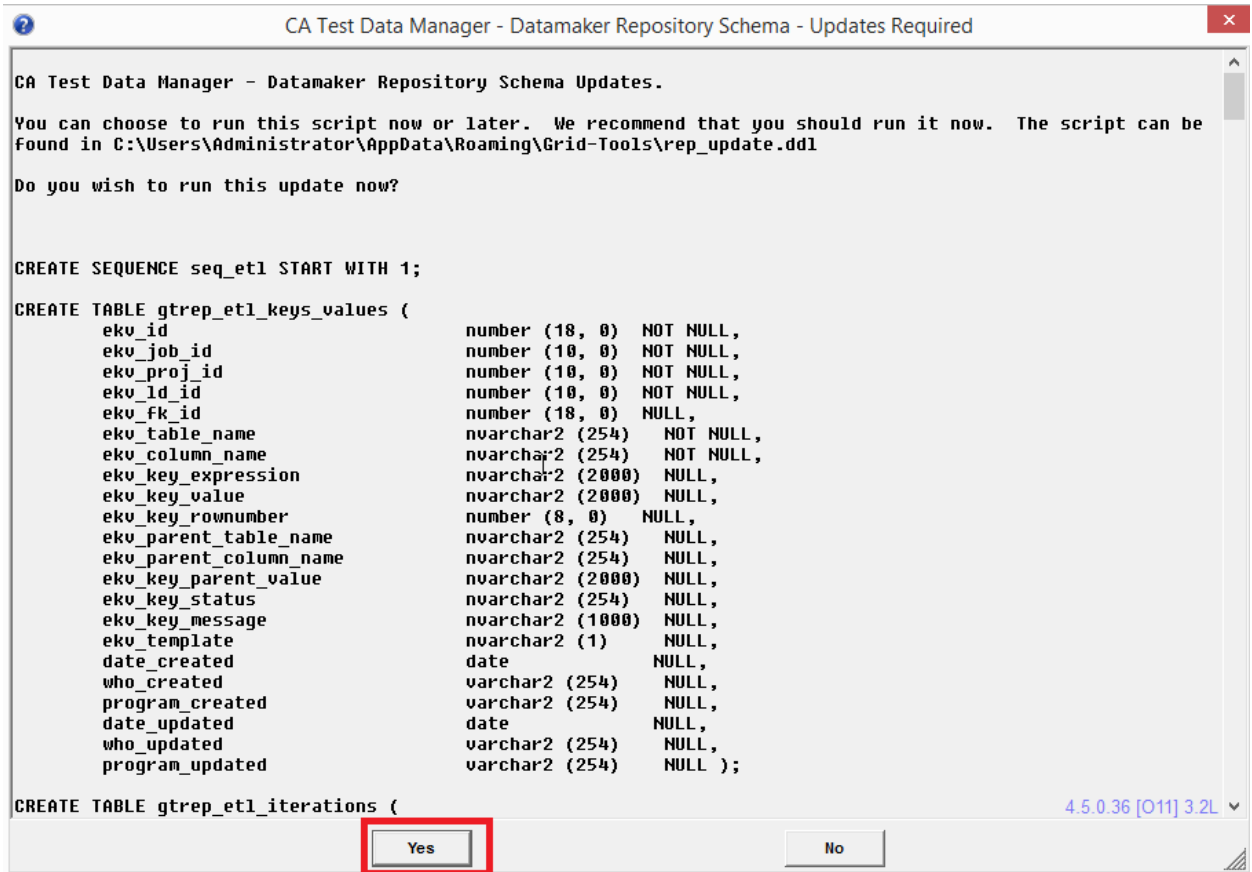


The login page opens.

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.

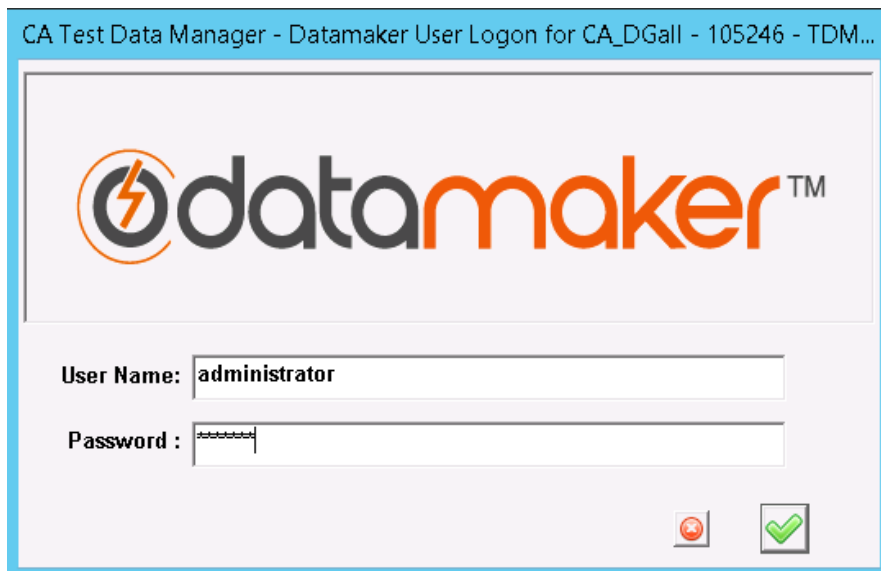
10. Enter the activation key that you received from you license request, and click the Save button.

A confirmation opens. Click OK, and you should see a full listing of all connection profiles.

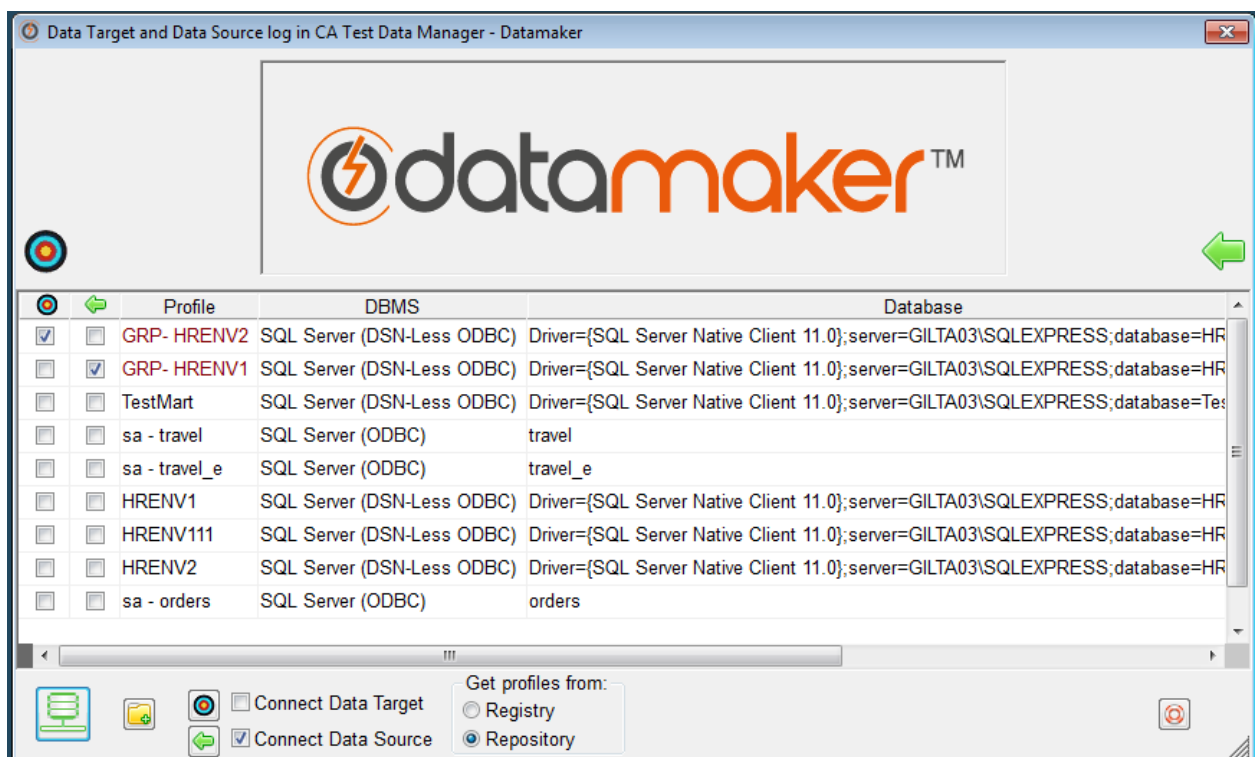
11. Close Datamaker.

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.



- 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/4-5/en/installing/install-ca-test-data-manager/perform-repository-maintenance>

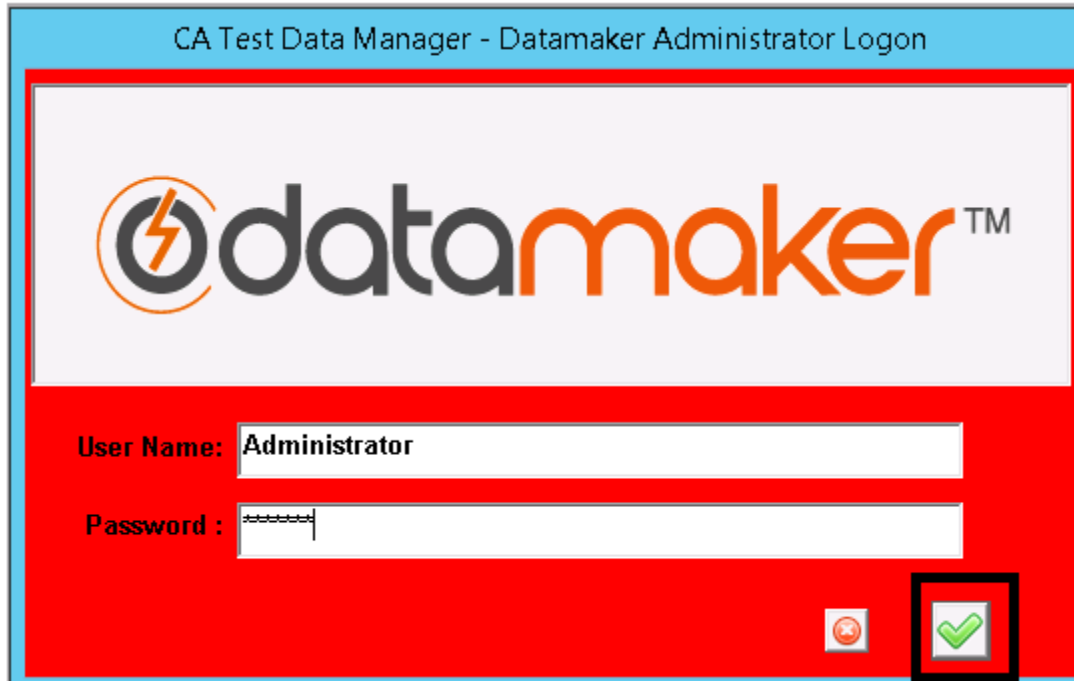
The upgrade is complete.




### 3.4 Maintenance mode in Datamaker

After the successful Datamaker upgrade, You can run the Maintenance Mode on the Datamaker by running **CTRL + ALT + M**

Enter the Administrator credentials





CA Test Data Manager - Datamaker Administrator Logon

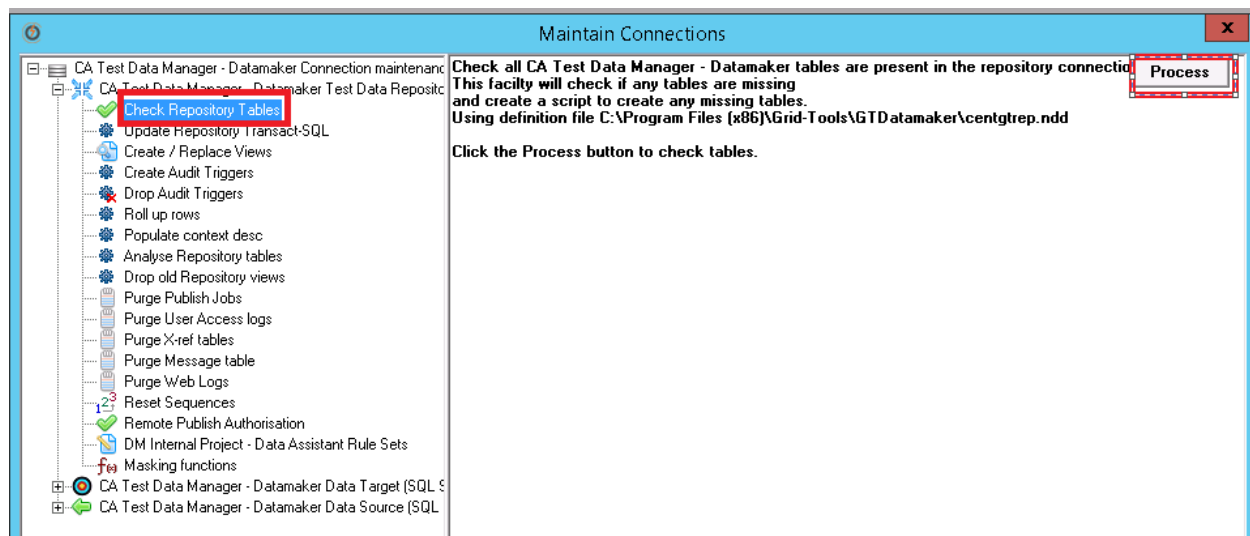


User Name:

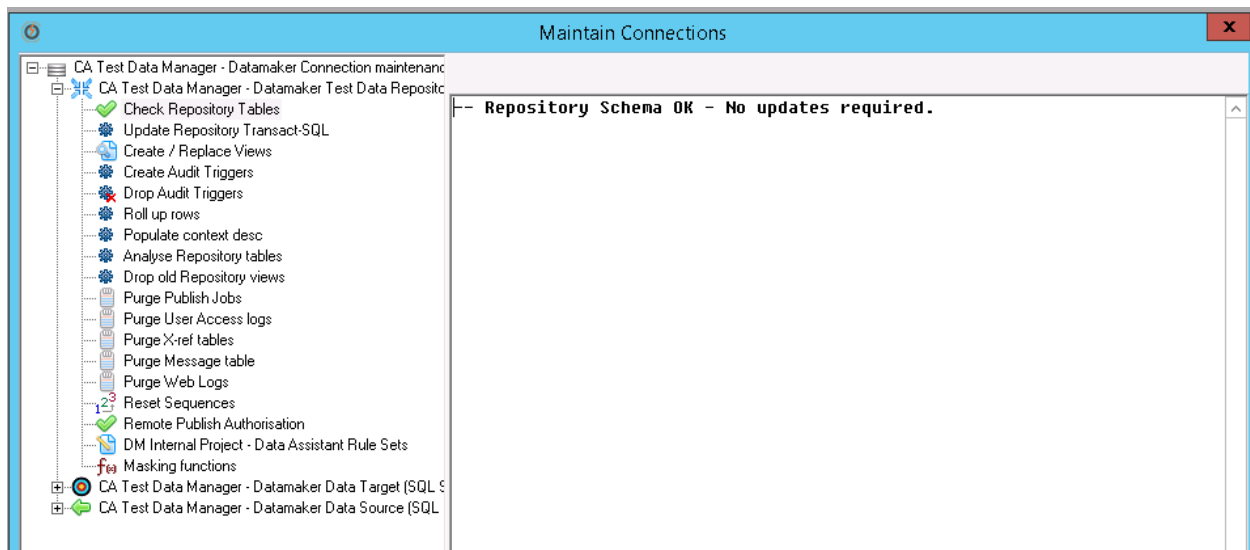
Password :

Choose “Check Repository Tables” and Process

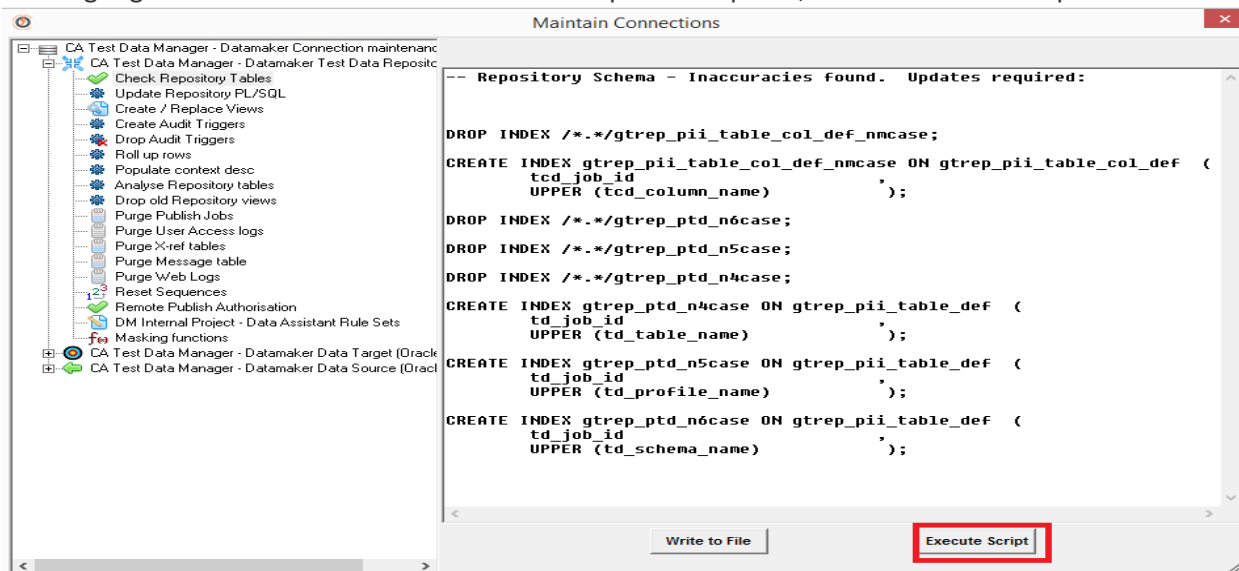


Expected Result: you will get **Repository Schema OK – No Updates required**

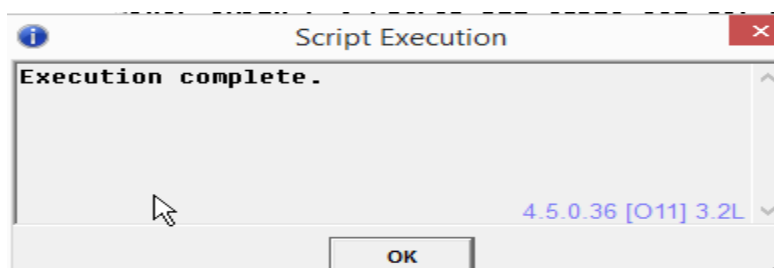


Known Issue: With Datamaker 4.5

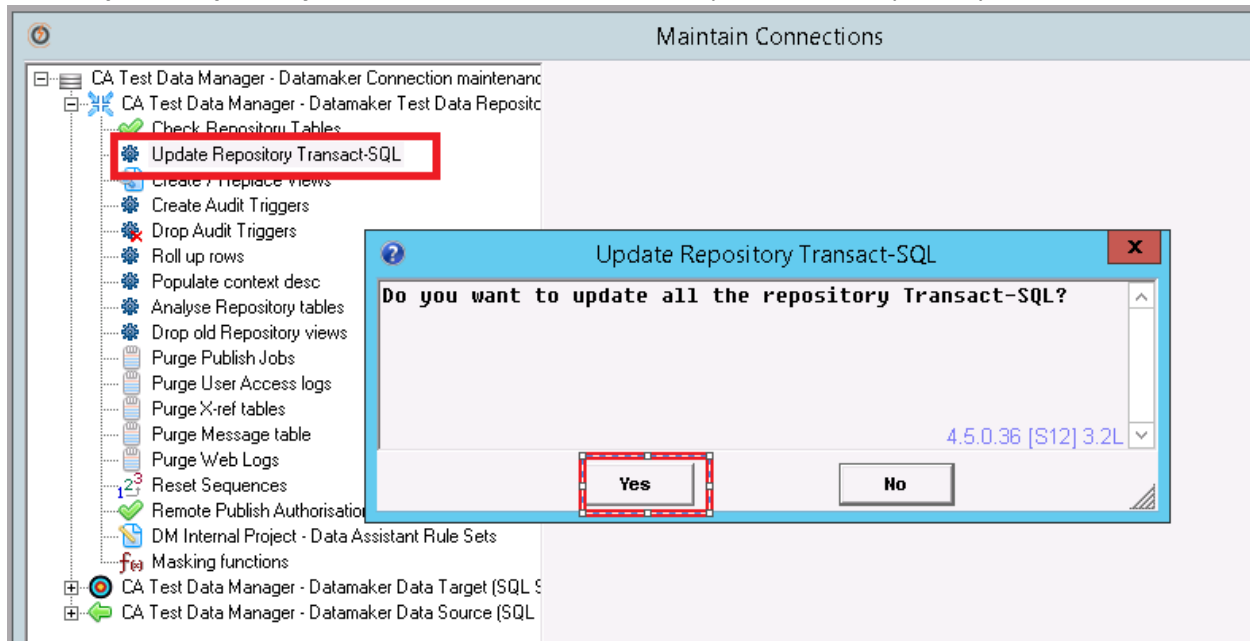
You might get below result – Inaccuracies found- Updates required, Run the Execute Script



Execute Script, In 4.5 you might get the above screen , It is fine and you can proceed to next step.



Select **Update Repository Transact-SQL** and select **Yes** to update all the repository Transact-SQL



Select **OK**

