

# CA Test Data Manager Upgrade to 4.8

TDM 4.8 Upgrade *Guide*  
*May 2018*

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## Introduction

TDM 4.8 provides the following new features and functionality:

- Docker based scalable remote masking
- Support for TDM install and upgrade via TDM Portal
- Support for Portal based license management
- Support for multiple LDAP groups
- Improvements to the Data Model / PII Discovery functionality
- New “Getting Started” banner / “Home Page”

This documentation provides you step by step instruction for below topics :

- Upgrade the Datamaker from 4.6/4.7 to 4.8
- TDM Portal with docker with Oracle Repository
- TDM Portal with SQL Repository

### Known Limitations

Docker is available only with Oracle Repository

### Reference

Release NOTE:

<https://docops.ca.com/ca-test-data-manager/4-8/en/release-notes>

Upgrade Components:

<https://docops.ca.com/ca-test-data-manager/4-8/en/installing/upgrade-product-components>

### Upgrade Path

Versions	Suggested Path
3.2	3.2->3.5 -> 3.8 -> 4.0->4.2 -> 4.4->4.6->4.8
3.5	3.5->3.8 -> 4.0 -> 4.2->4.4 -> 4.6-4.8
3.8	3.8->4.0 -> 4.2-> 4.4->4.6-> 4.8
4.0	4.0 -> 4.2->4.4->4.6->4.8
4.1	4.1 -> 4.3->4.6->4.8
4.2	4.2 -> 4.4->4.6->4.8
4.3	4.3 -> 4.5 -> 4.7 -> 4.8
4.4	4.4 -> 4.6-> 4.8
4.5	4.5->4.6/4.7->4.8
4.6	4.6->4.8
4.7	4.7->4.8

## Downloading the TDM Media

The screenshot shows the CA Support website. At the top, there's a navigation bar with links like Solutions, Products, Education & Training, Services & Support, and Partners. Below this is a 'Welcome to CA Support' banner with a search bar and a 'Download Management' link highlighted with a red box. Other links include Product Information, Communities, and Case Management.

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. It features a search bar with 'Test Data Manager' entered. Below the search bar, there's a section titled 'Product Downloads Available' with a '1' in a circle, and 'Solution Downloads Available' with a checkmark in a circle. The page is titled 'Download by Solution ID'.











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

Select a Release 4.8 **CA Test Data Manager Full Package 4.X** Component should be downloaded.











OR

CA Test Data Manager for Data Generation and Test Matching MSP MULTI-PLATFORM	4.8	0000		
CA Test Data Manager for Data Generation and Test Matching MULTI-PLATFORM	4.8	0000		
CA Test Data Manager for Data Generation and Test Matching Seeding MULTI-PLATFORM	4.8	0000		
CA Test Data Manager for Masking and Subsetting MSP MULTI-PLATFORM	4.8	0000		
CA Test Data Manager for Masking and Subsetting MULTI-PLATFORM	4.8	0006		

You can either *Download* from here directly or select *Add to Cart* for the various downloads (as required) and then select *View Download Cart*.

FILTER SEARCH RESULTS					
RELEASE	SERVICE PACK	COMPONENT	DATE		
<input type="text"/>	<input type="text"/>	<input type="text" value="Search by Component Name..."/>		<input type="button" value="Add All To Cart"/>	<input type="button" value="Download Package"/>
4.8	0000	CA TEST DATA MANAGER PORTAL FOR DOCKER 4.8 GEN500000000002784.zip	Apr 25 2019 8:45AM		
4.8	0000	CA TEST DATA MANAGER PORTAL FOR DOCKER (IMAGE KIT) 4.8 GEN500000000002810.zip	Apr 25 2019 8:49AM		
4.8	0000	CA TEST DATA MANAGER PORTAL FOR DOCKER (IMAGE BUNDLE) 4.8 GEN500000000002785.zip	Apr 25 2019 12:42PM		
4.8	0000	CA TEST DATA MANAGER FULL PACKAGE 4.8 GEN500000000002400.zip	Apr 25 2019 8:48AM		
3.2.14	0000	CA TEST DATA MANAGER REPOSITORY KIT 3.2.14 GEN500000000002401.zip	Apr 25 2019 8:47AM		

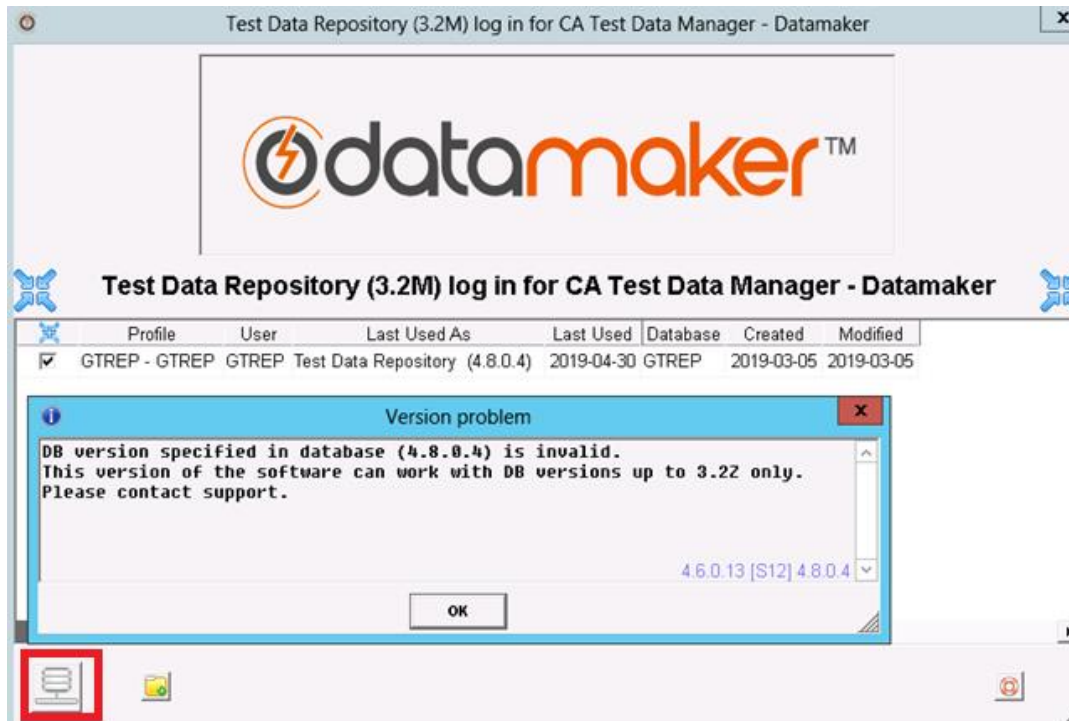
  

FILTER SEARCH RESULTS					
RELEASE	SERVICE PACK	COMPONENT	DATE		
<input type="text"/>	<input type="text"/>	<input type="text" value="Search by Component Name..."/>		<input type="button" value="Add All To Cart"/>	<input type="button" value="Download Package"/>
4.8	0000	CA TEST DATA MANAGER PORTAL FOR DOCKER 4.8 GEN500000000002784.zip	Apr 25 2019 8:45AM		
4.8	0000	CA TEST DATA MANAGER PORTAL FOR DOCKER (IMAGE KIT) 4.8 GEN500000000002810.zip	Apr 25 2019 8:49AM		
4.8	0000	CA TEST DATA MANAGER PORTAL FOR DOCKER (IMAGE BUNDLE) 4.8 GEN500000000002785.zip	Apr 25 2019 12:42PM		
4.8	0000	CA TEST DATA MANAGER FULL PACKAGE 4.8 GEN500000000002400.zip	Apr 25 2019 8:48AM		
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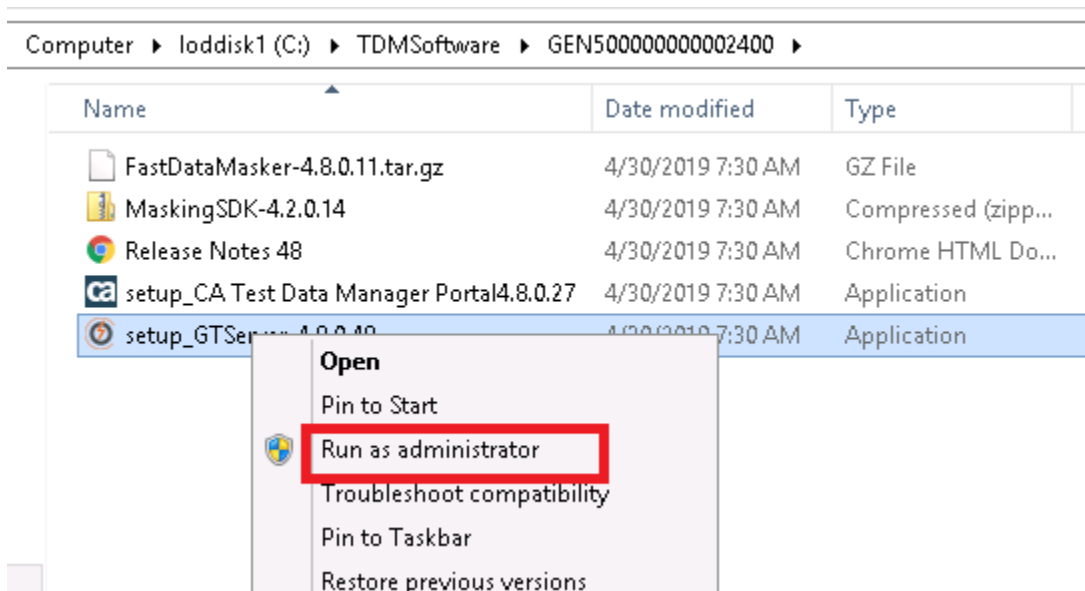
Choose one of the methods for download and start the download to your Download location

## Upgrade the Datamaker from 4.6/4.7 to 4.8

Note: You can upgrade the Datamaker before upgrading the TDM Portal or after upgrading the Portal. If you upgrade the TDM Portal before upgrading the Datamaker, when you try to connect to the Test Data Repository, you will see the below error.

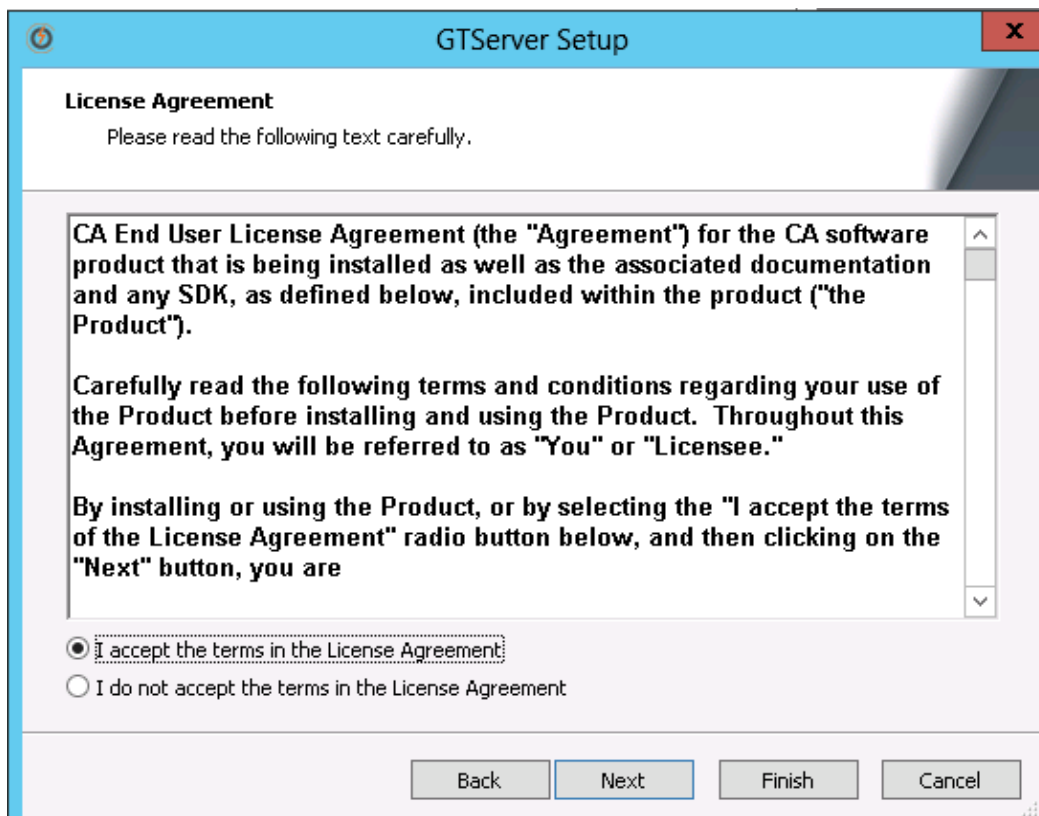


Now you can upgrade the Datamaker Upgrade process.



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
X

### Prerequisites

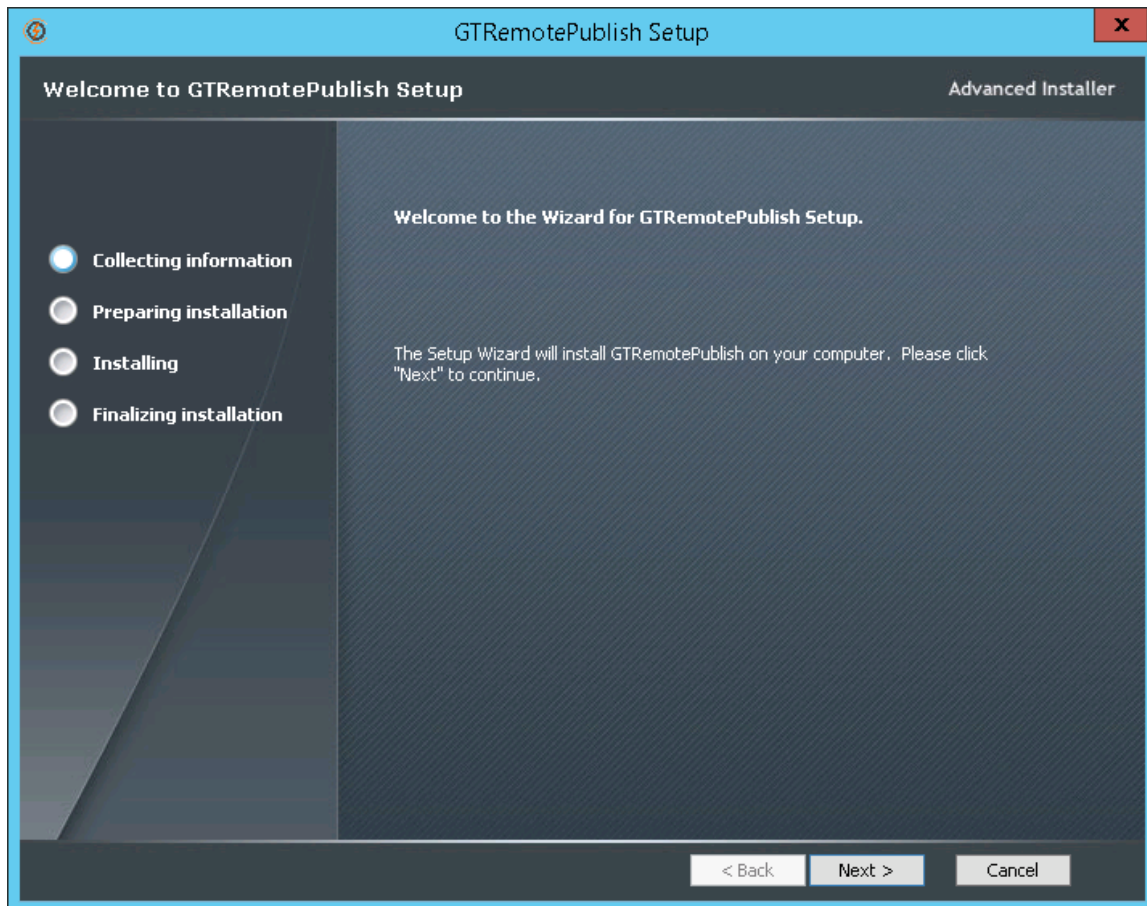
These programs are needed for the application to run. Click on the check box next to a prerequisite to select it for install or to skip it.

Name	Version	Action
<input type="checkbox"/> .NET Framework 4.5.2	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: 4.8.0.10 or higher. F...	Install
<input checked="" type="checkbox"/> GT Group Job Executor	Required: 4.8.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT HP ALM Service	Required: 4.8.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GT ALM Batch	Required: 4.8.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GTDatamaker	Required: 4.8.0.15 or higher. F...	Install
<input type="checkbox"/> TestDataVisualizer	Required: 1.5.0.0 or higher. Fo...	Skip
<input checked="" type="checkbox"/> GT - Test Data On Demand	Required: 4.8.0.8 or higher. Fo...	Install
<input checked="" type="checkbox"/> FastDataMasker	Required: 4.8.0.0 or higher. Fo...	Install
<input checked="" type="checkbox"/> GTPortusJobProcessor	Required: 4.8.0.2 or higher. Fo...	Install
<input checked="" type="checkbox"/> Javelin	Required: 2.0.700.10 or higher....	Install
<input checked="" type="checkbox"/> GTEDI	Required: 4.8.0.6 or higher. Fo...	Install
<input checked="" type="checkbox"/> GTRallyBatch	Required: 4.8.0.7 or higher. Fo...	Install

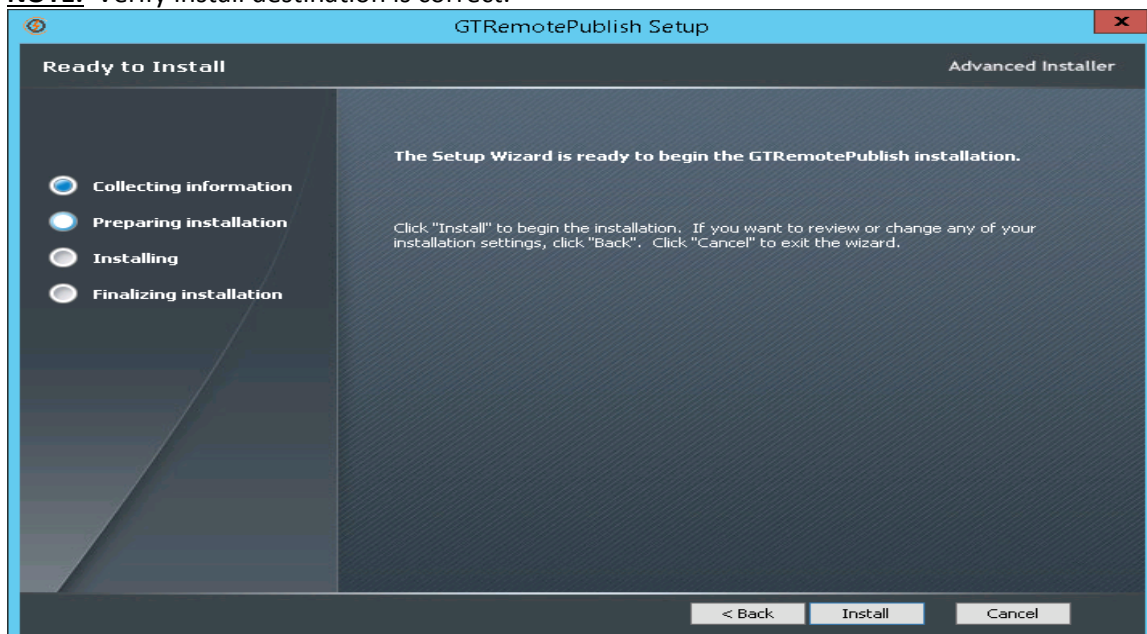
Press the Next button to install the prerequisites.

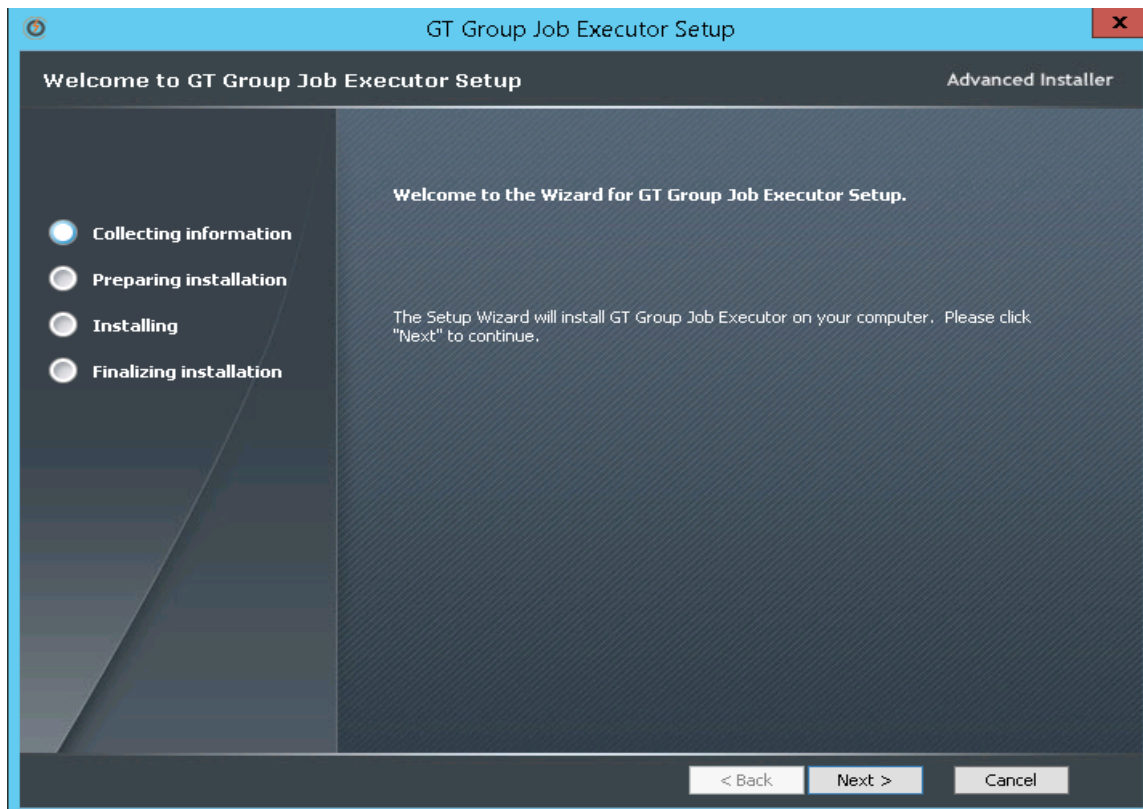
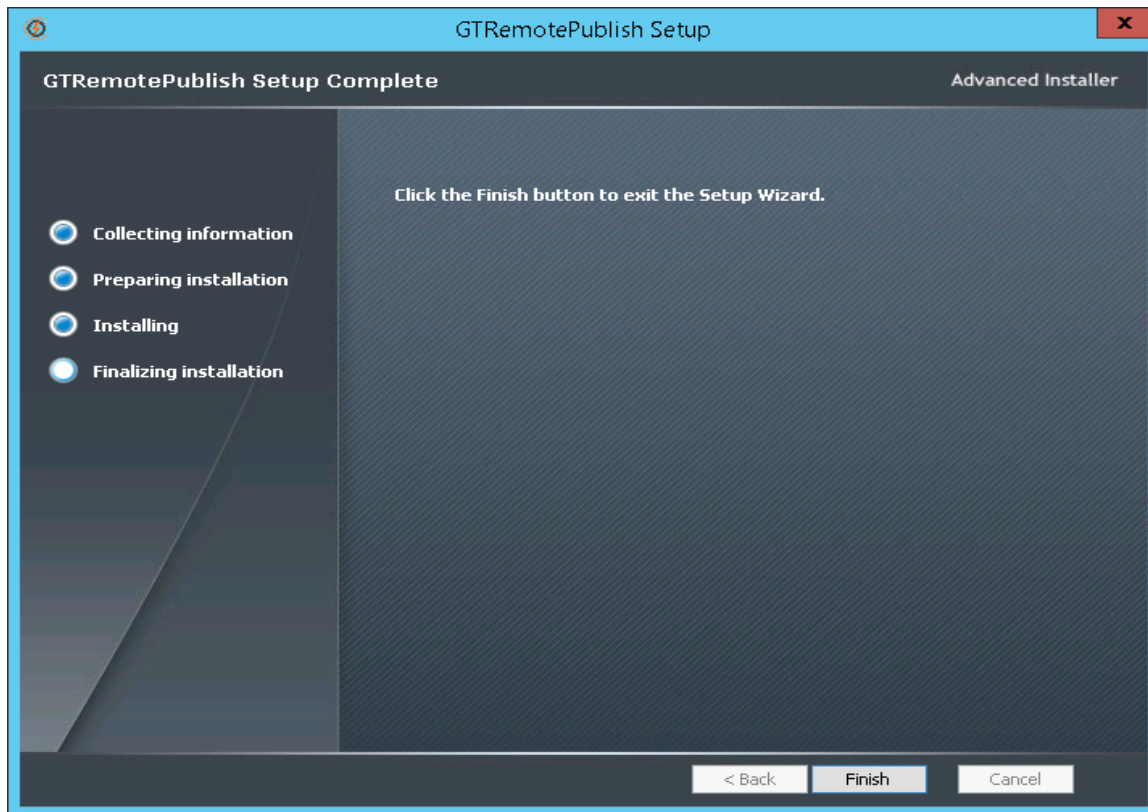
Back
Next
Finish
Cancel

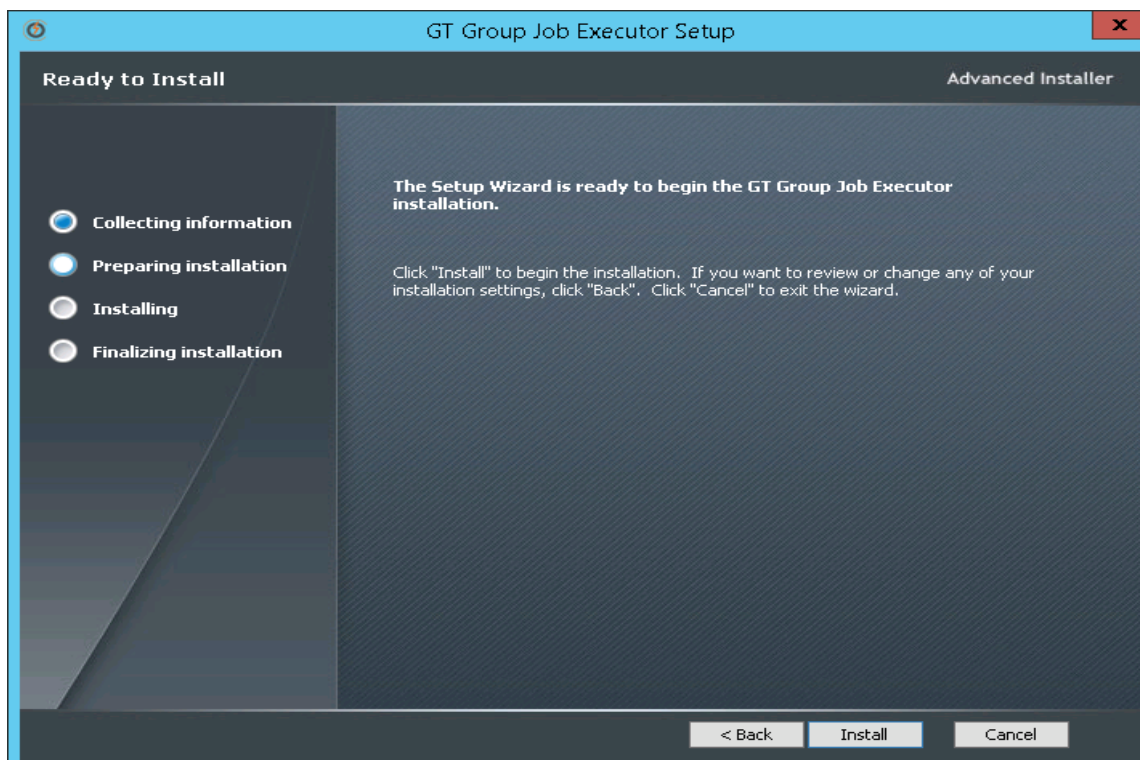
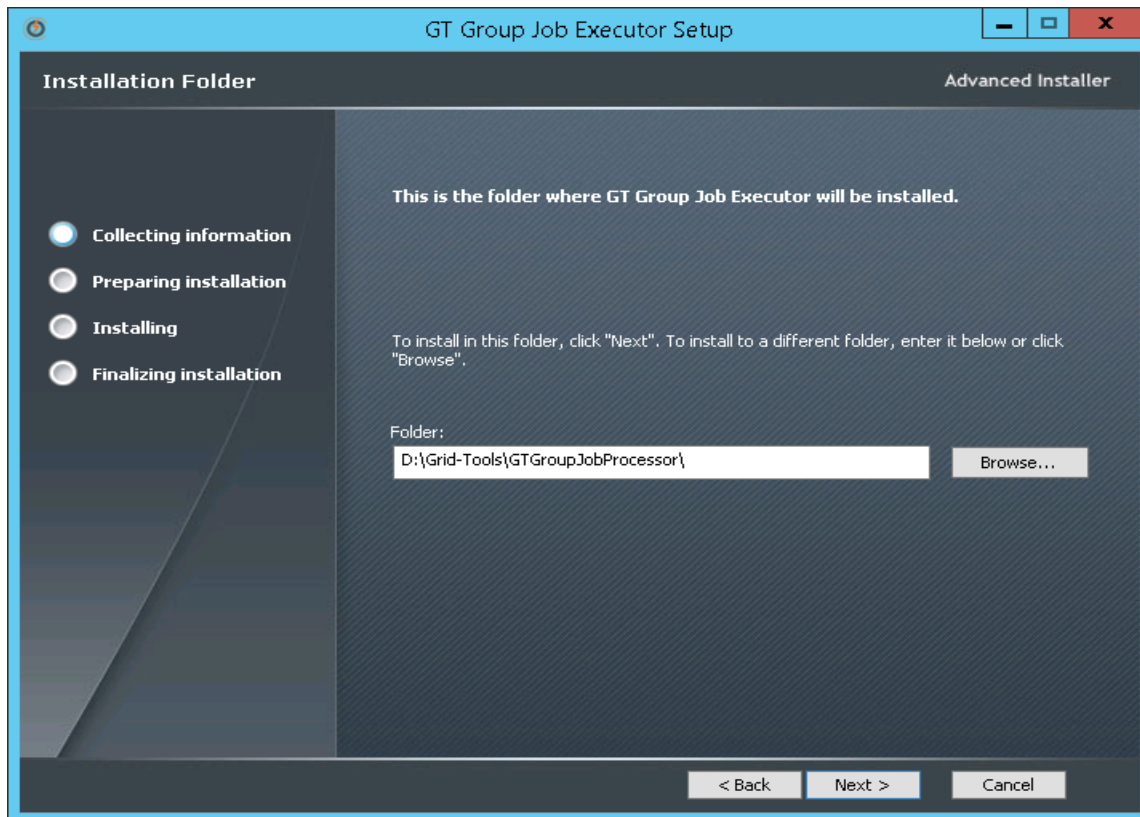




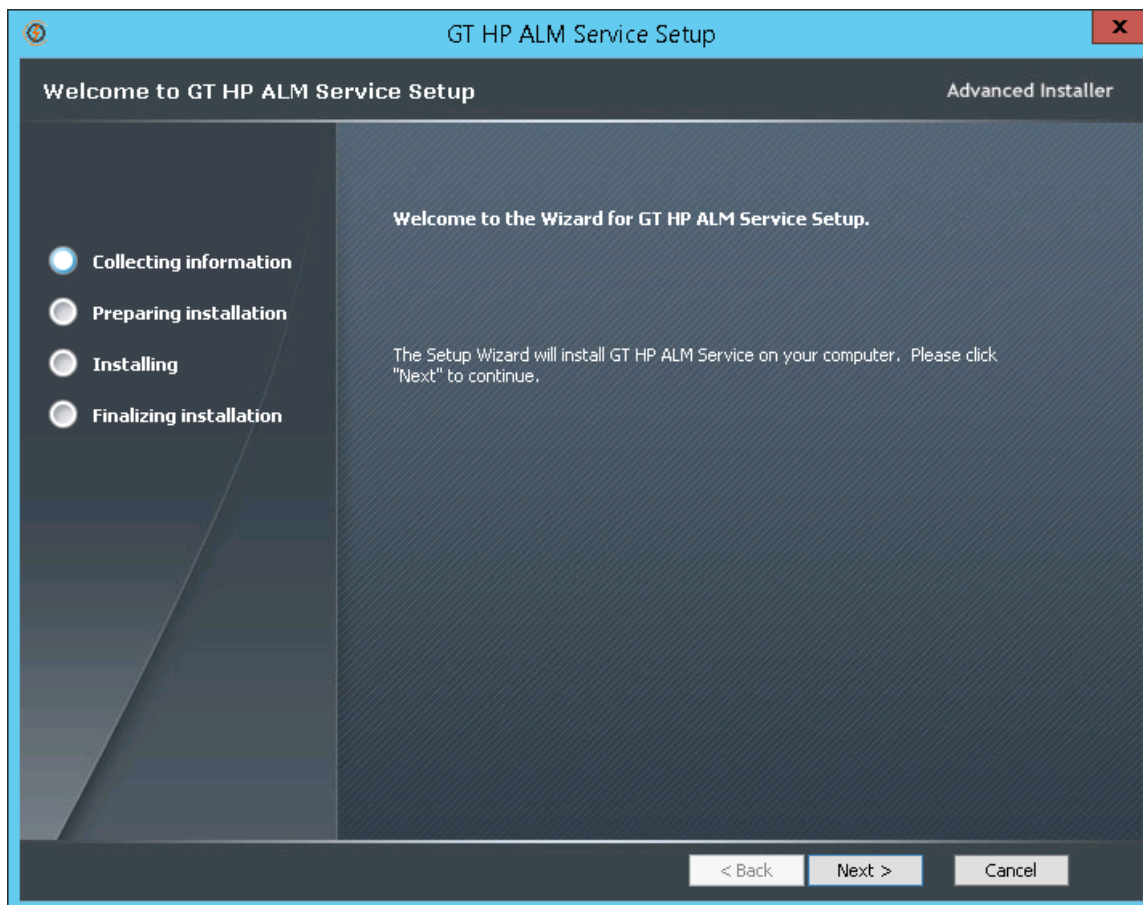
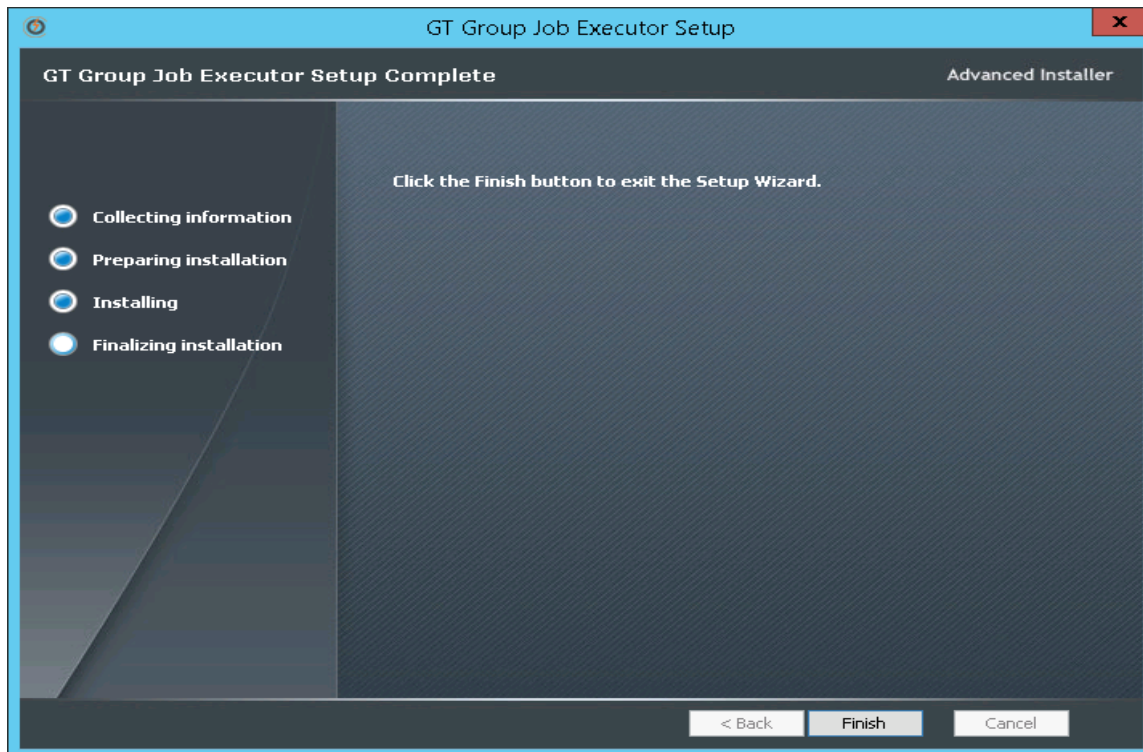
**NOTE:** Verify install destination is correct.

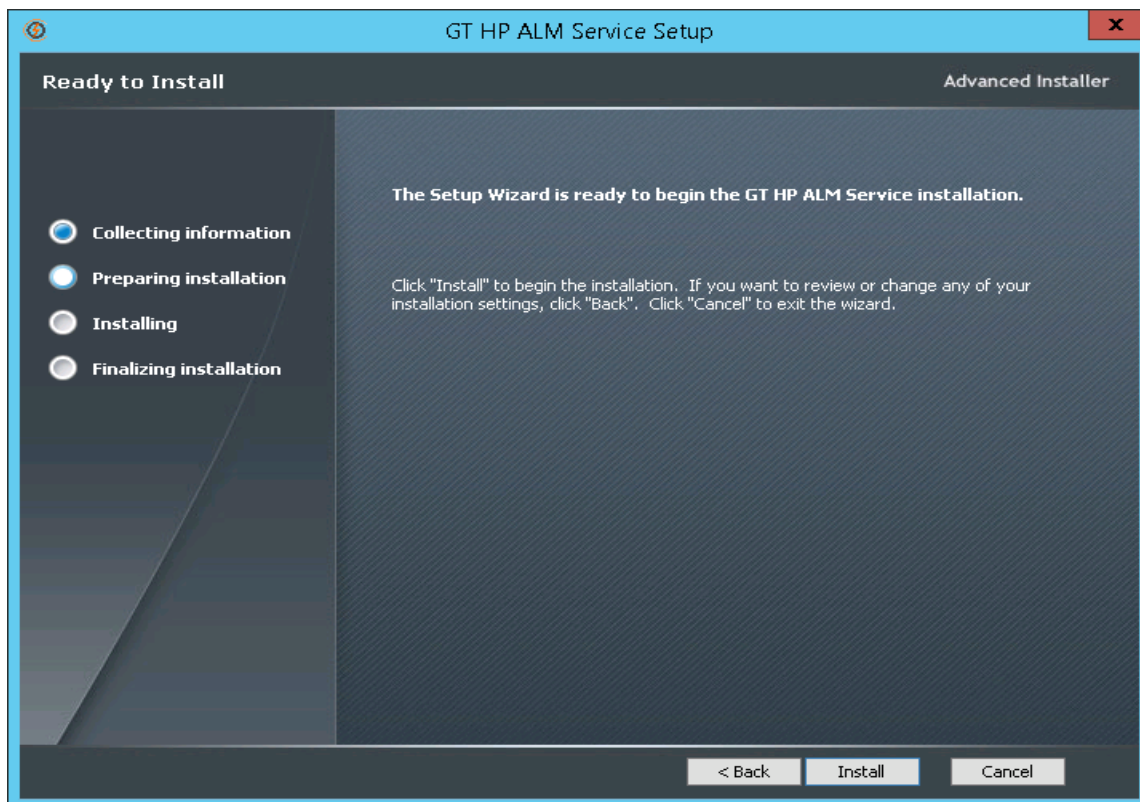
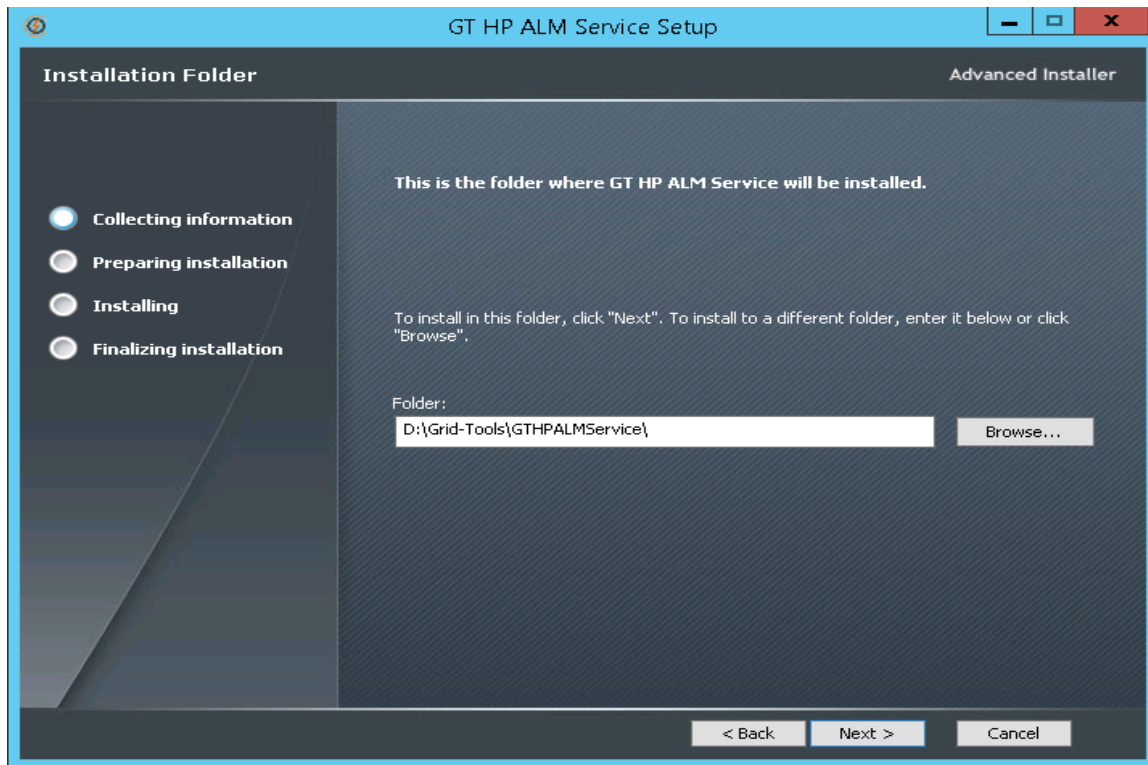


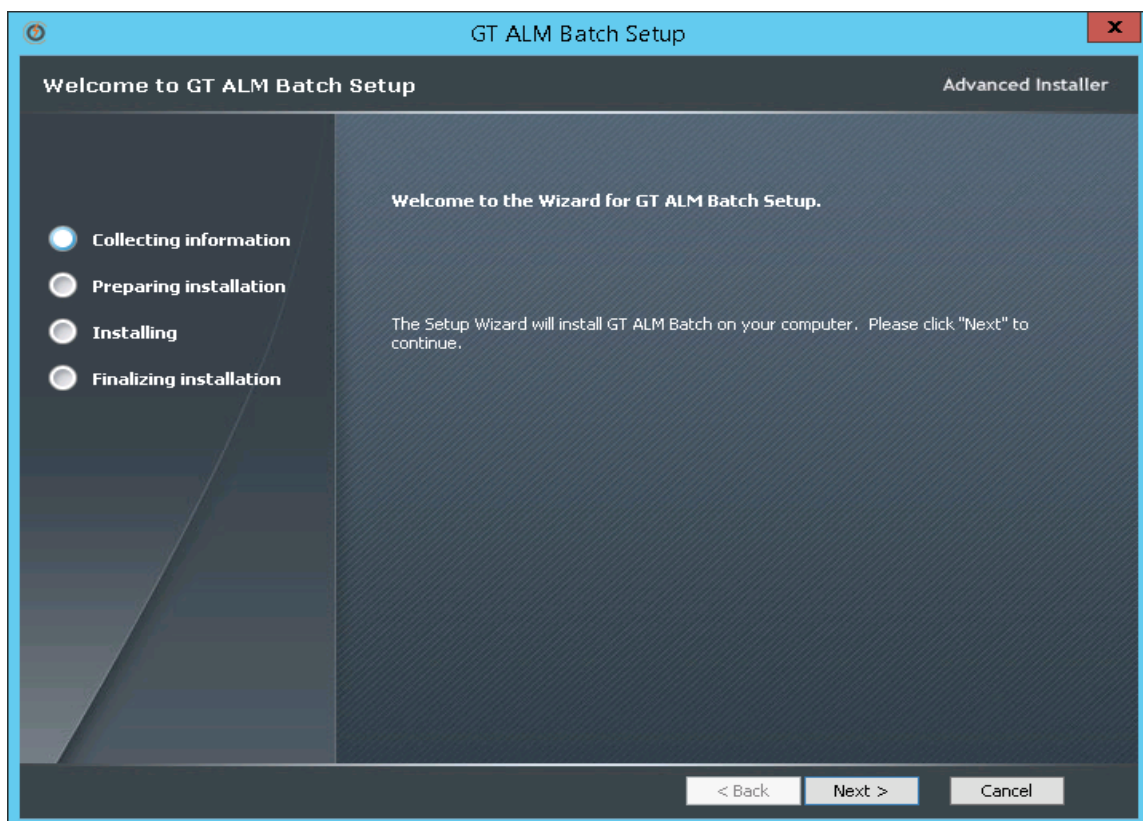
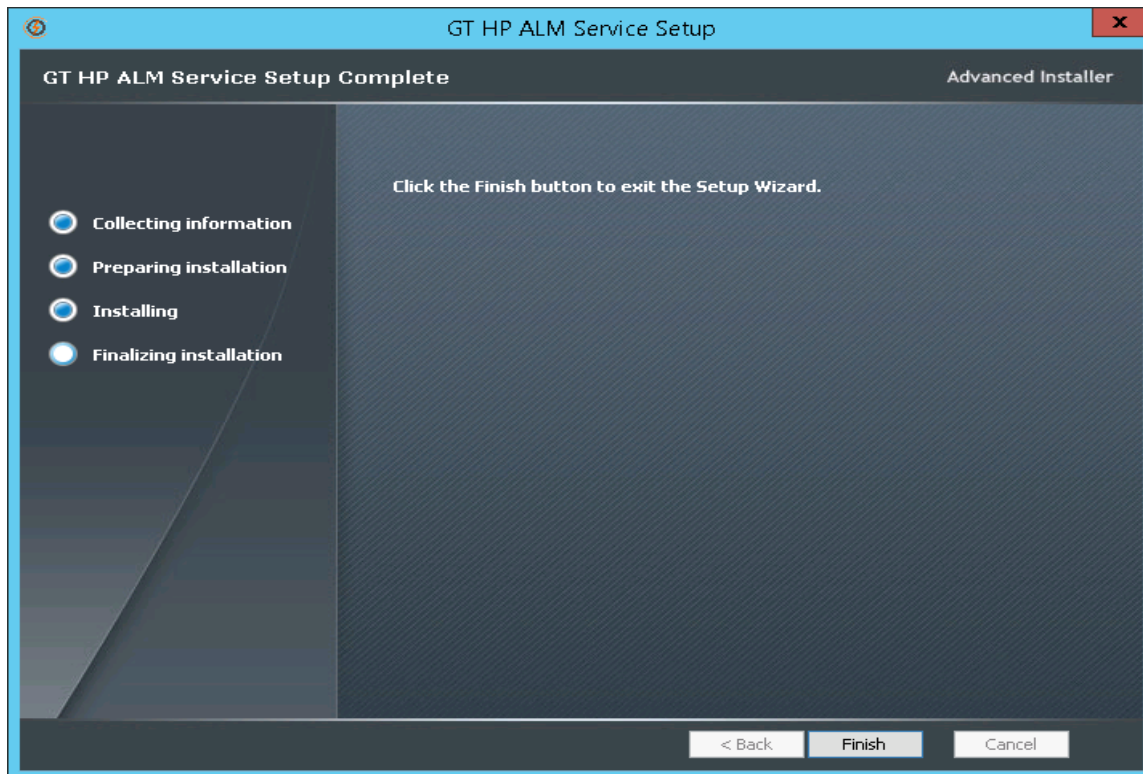




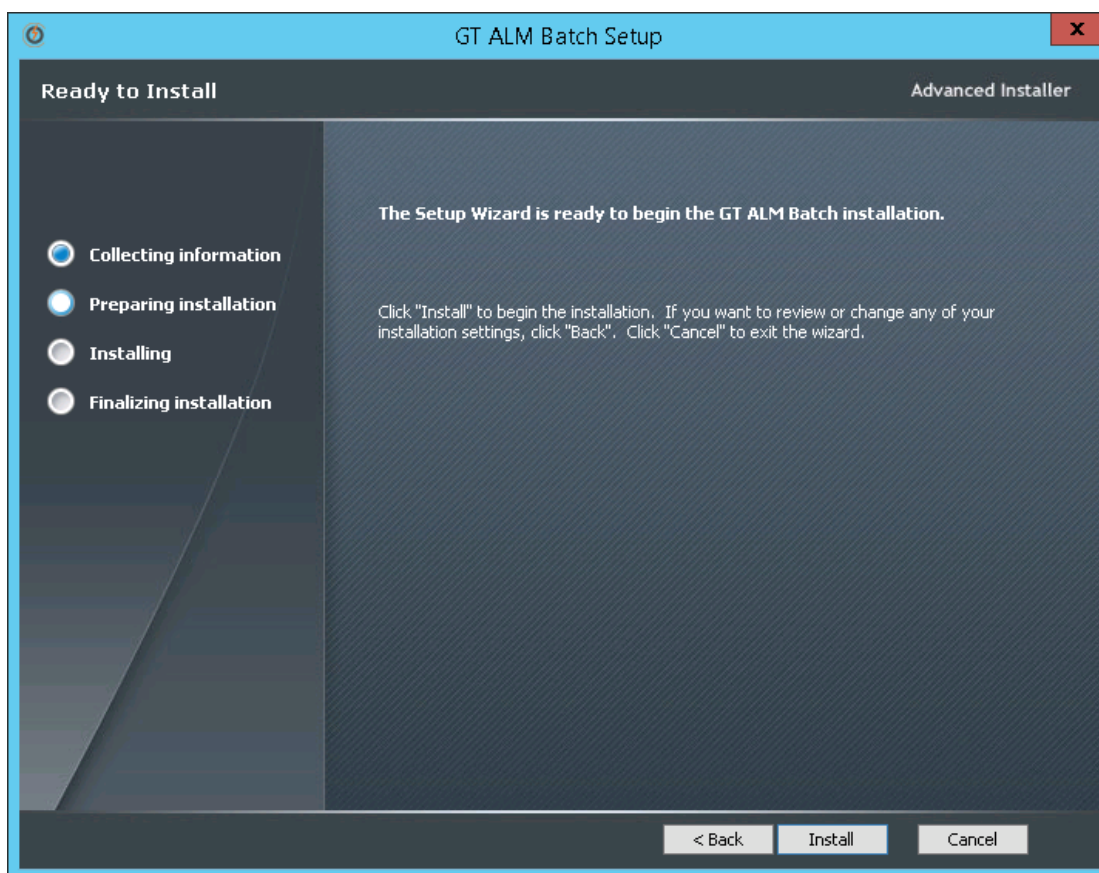
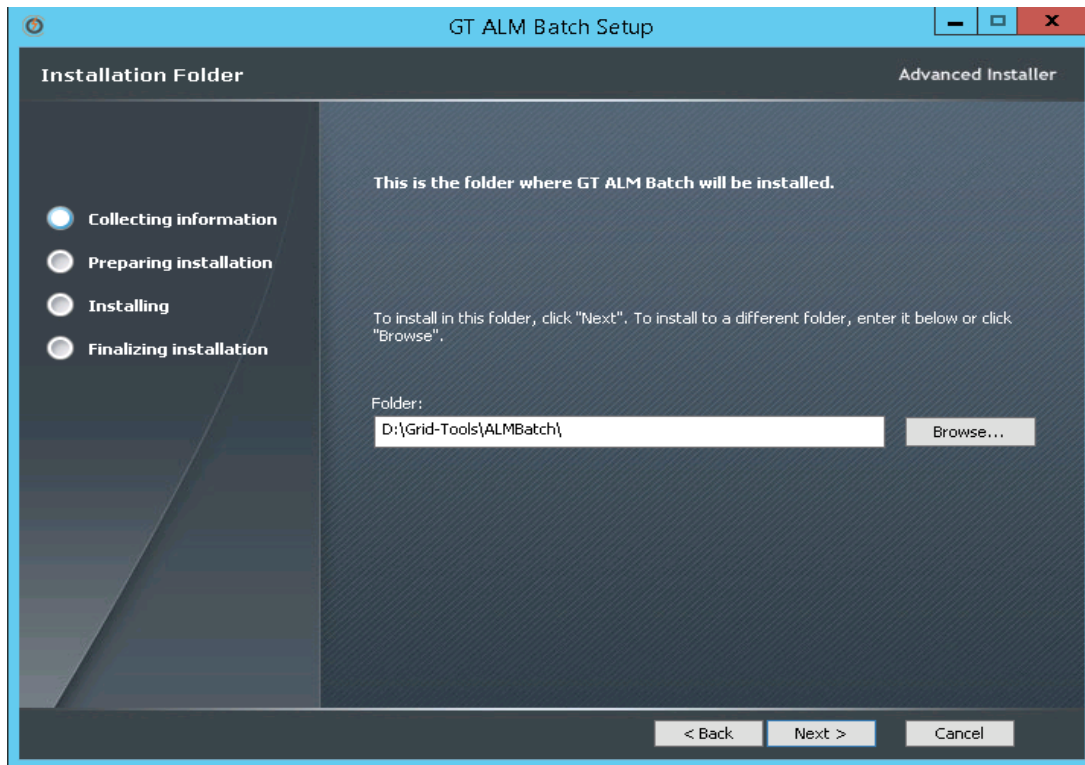


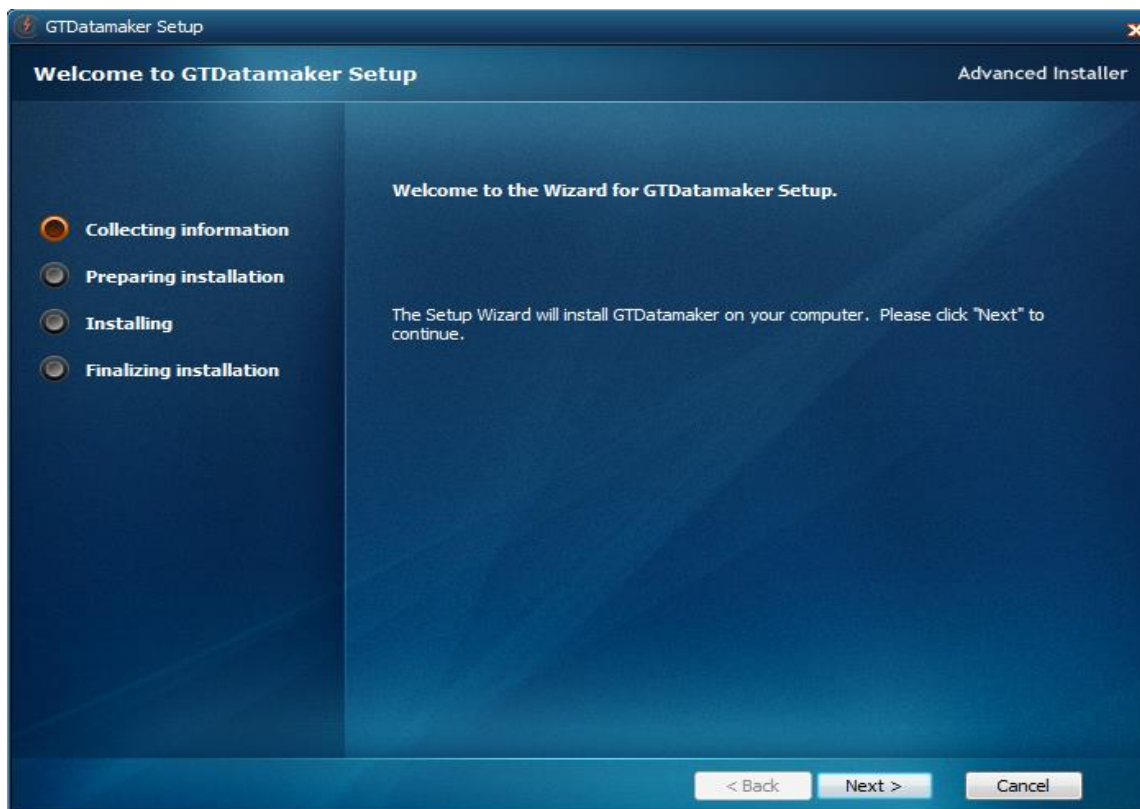
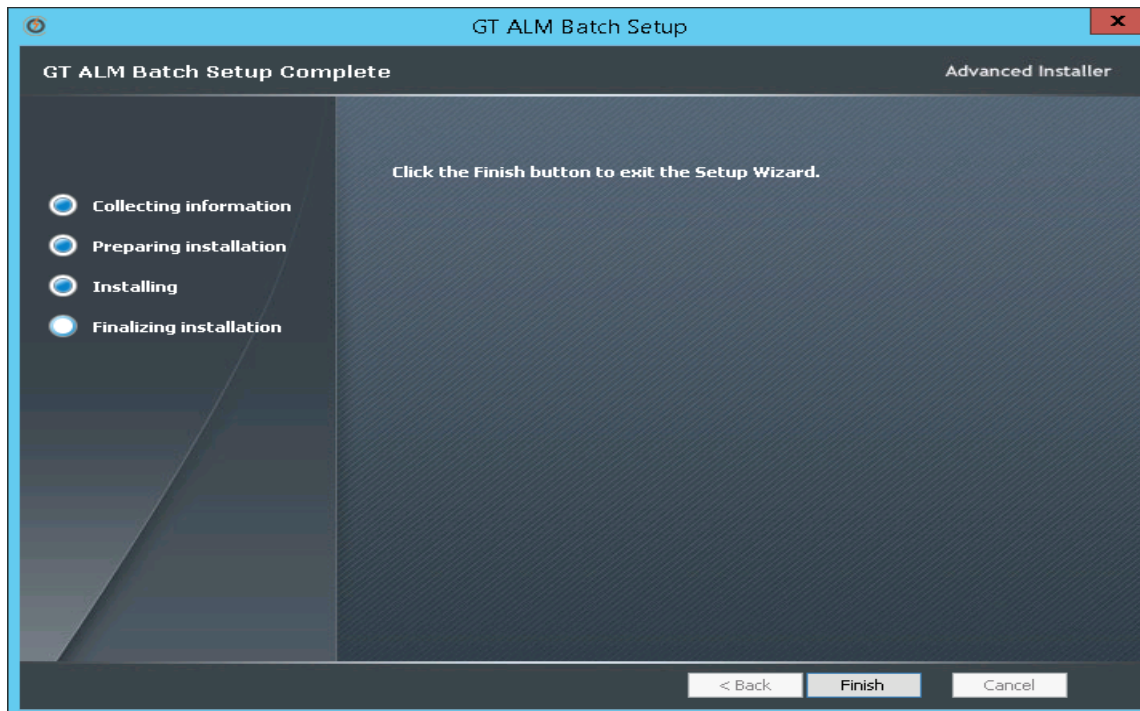




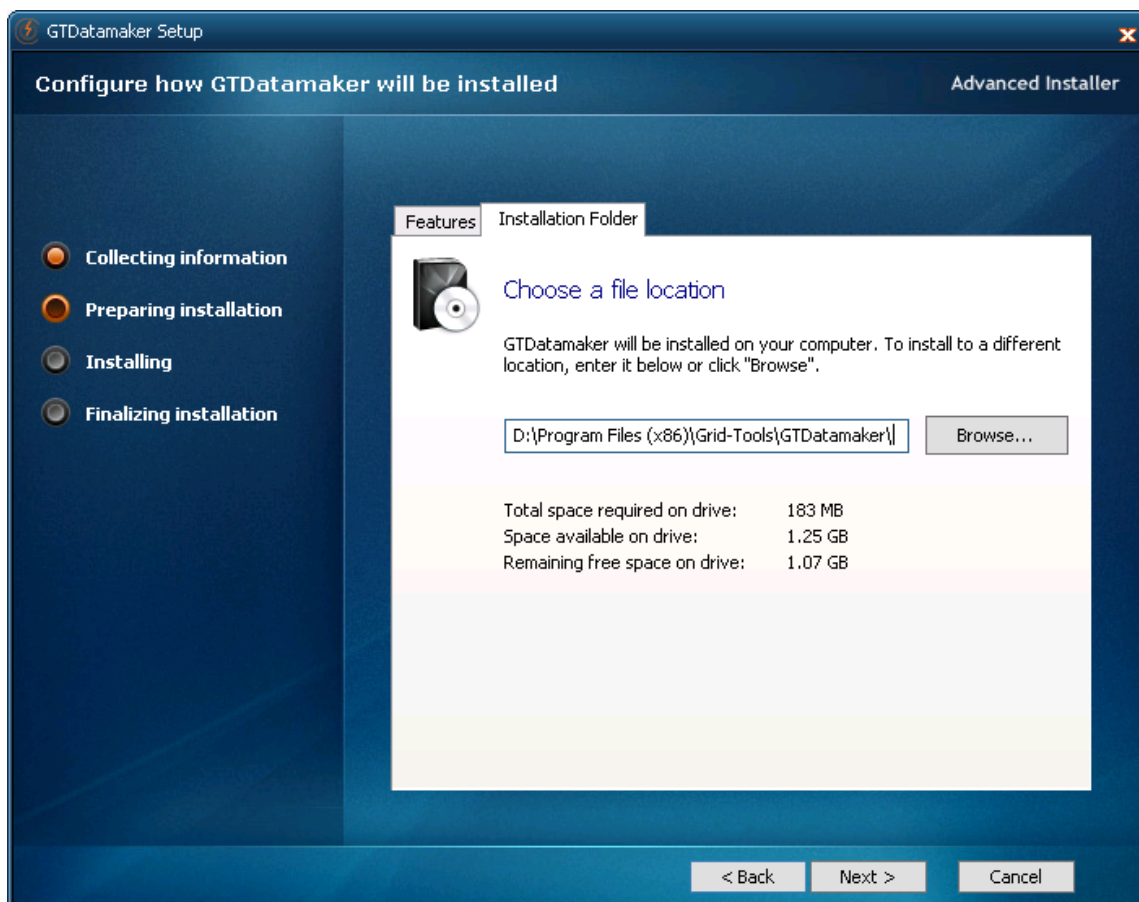
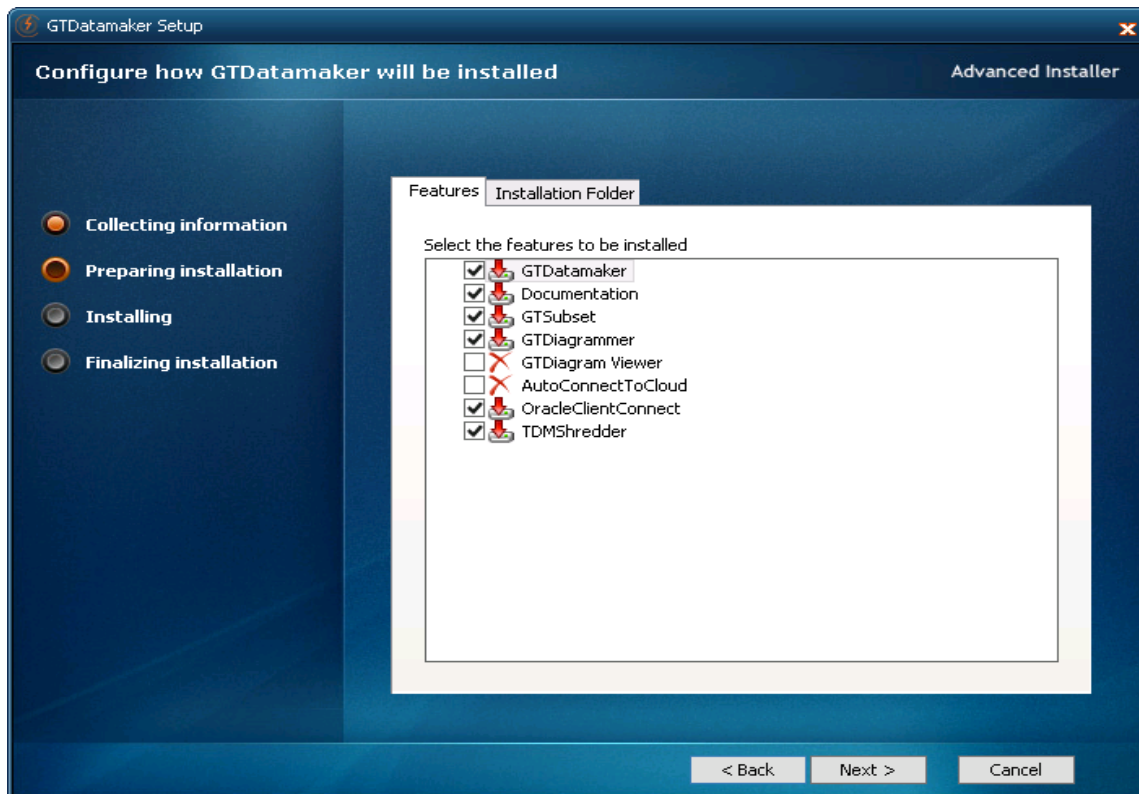


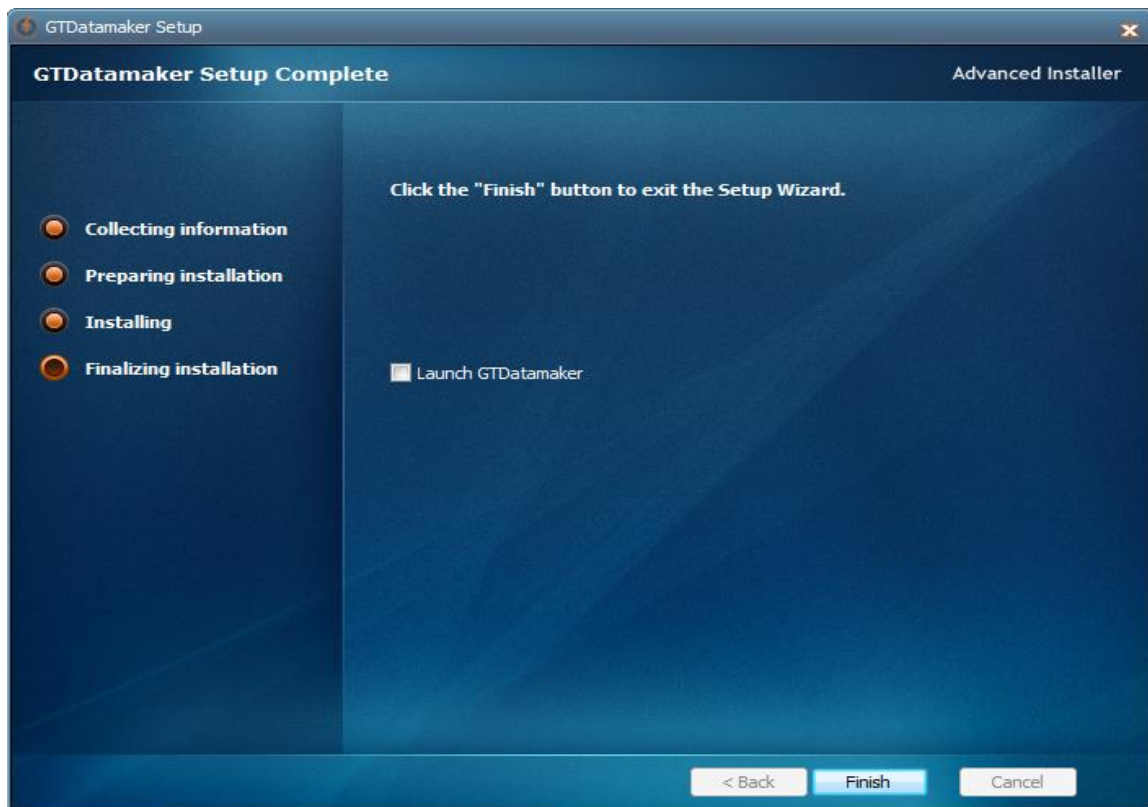
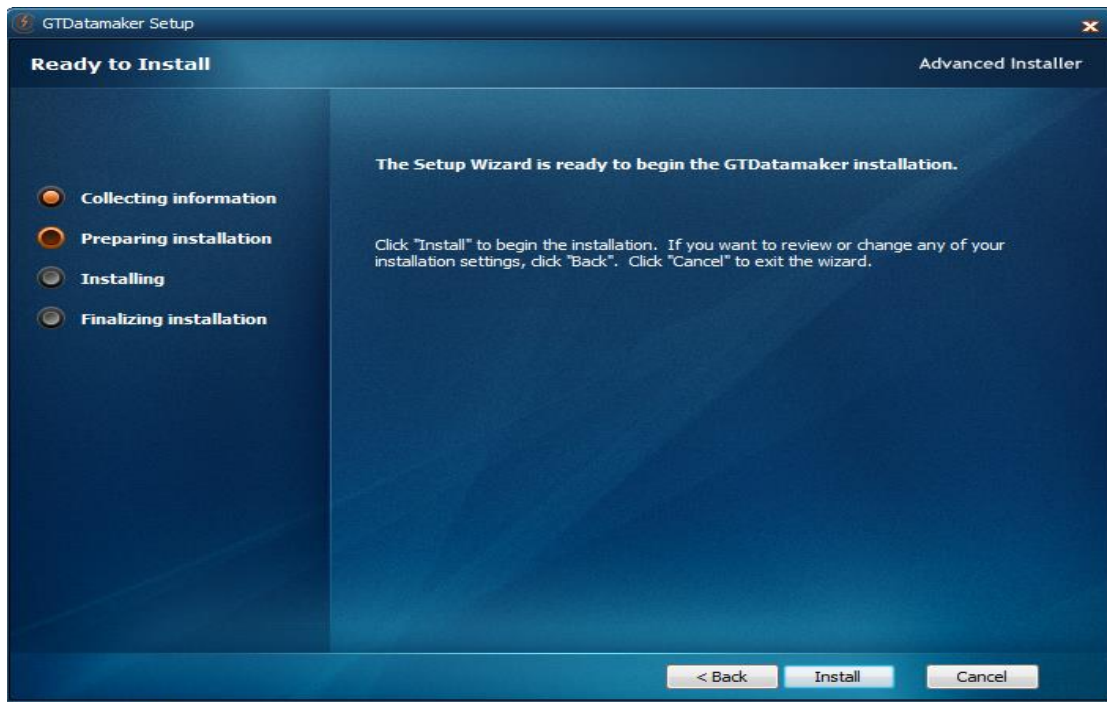


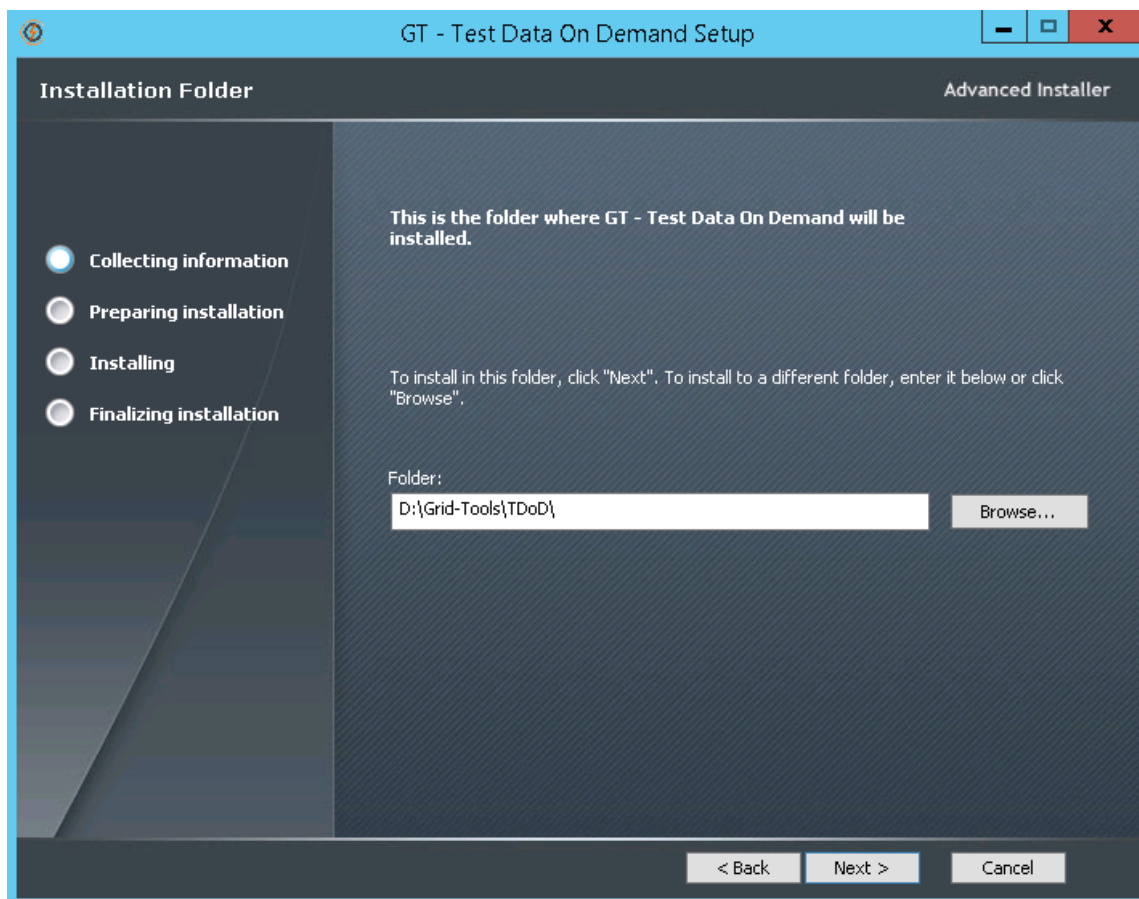
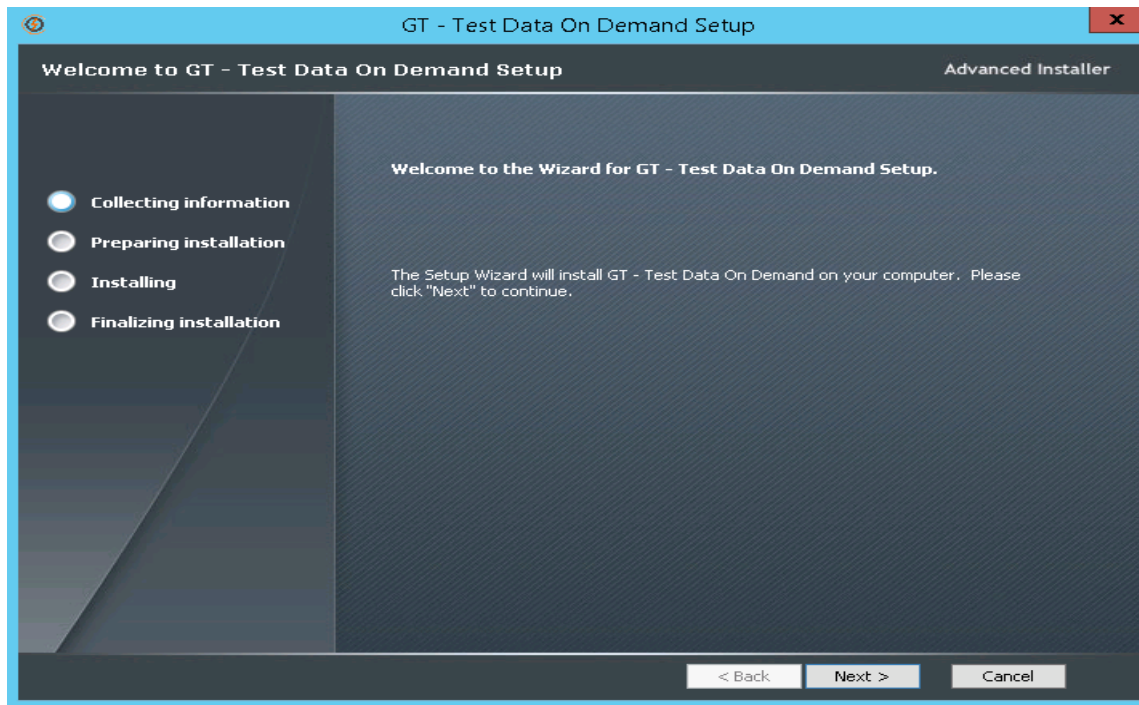




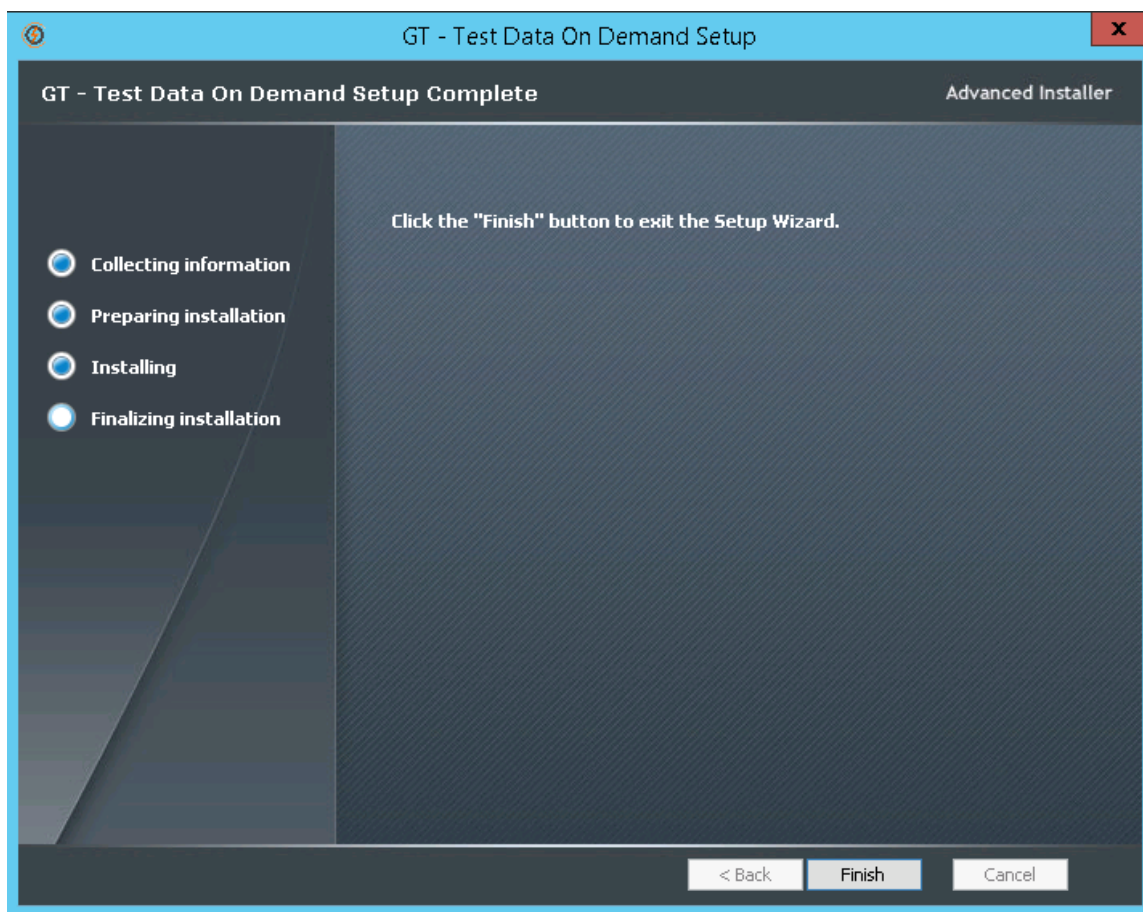
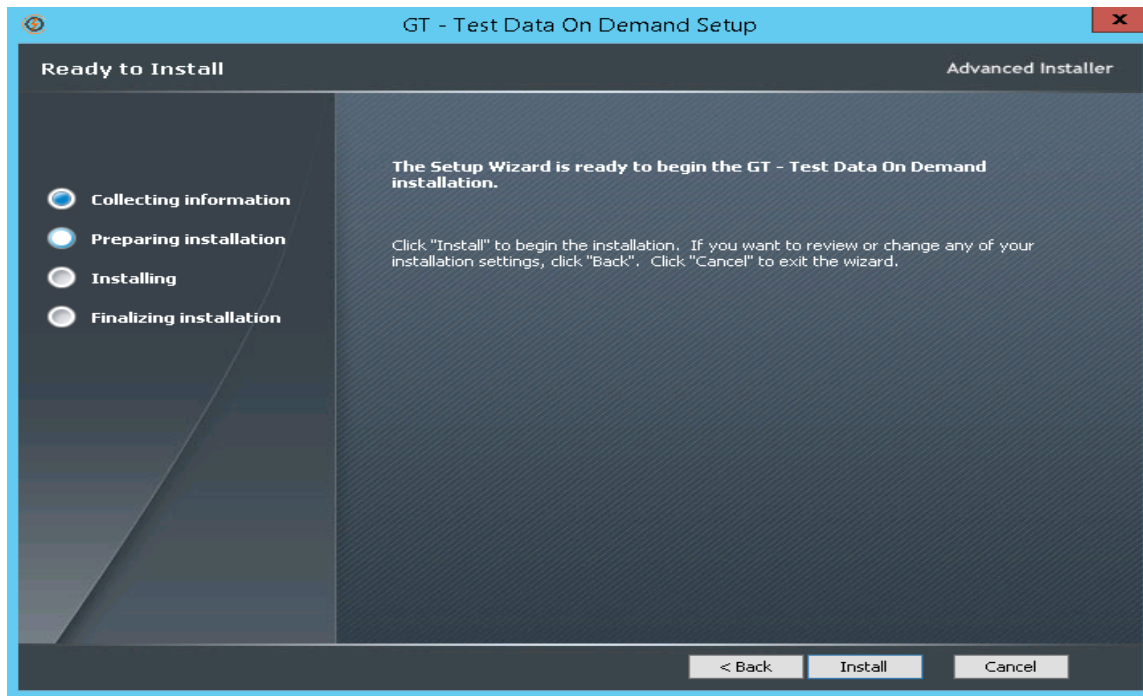


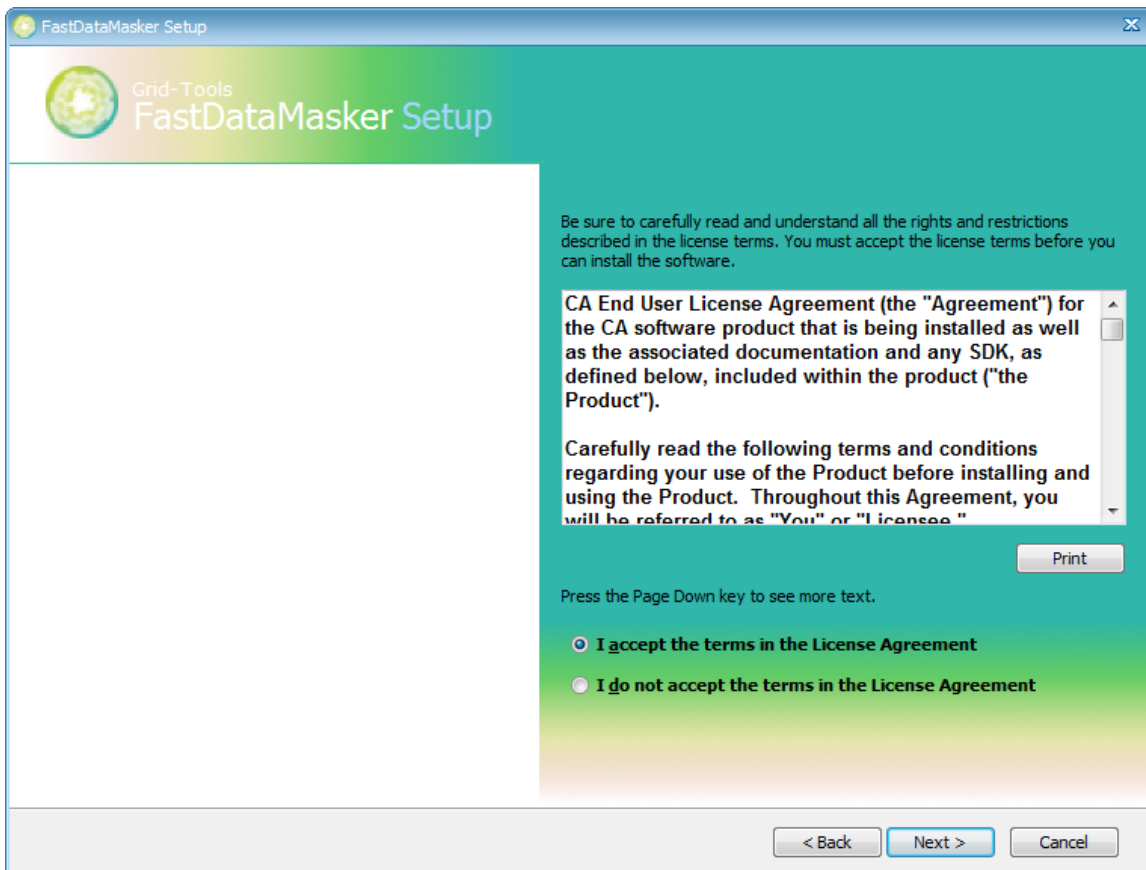
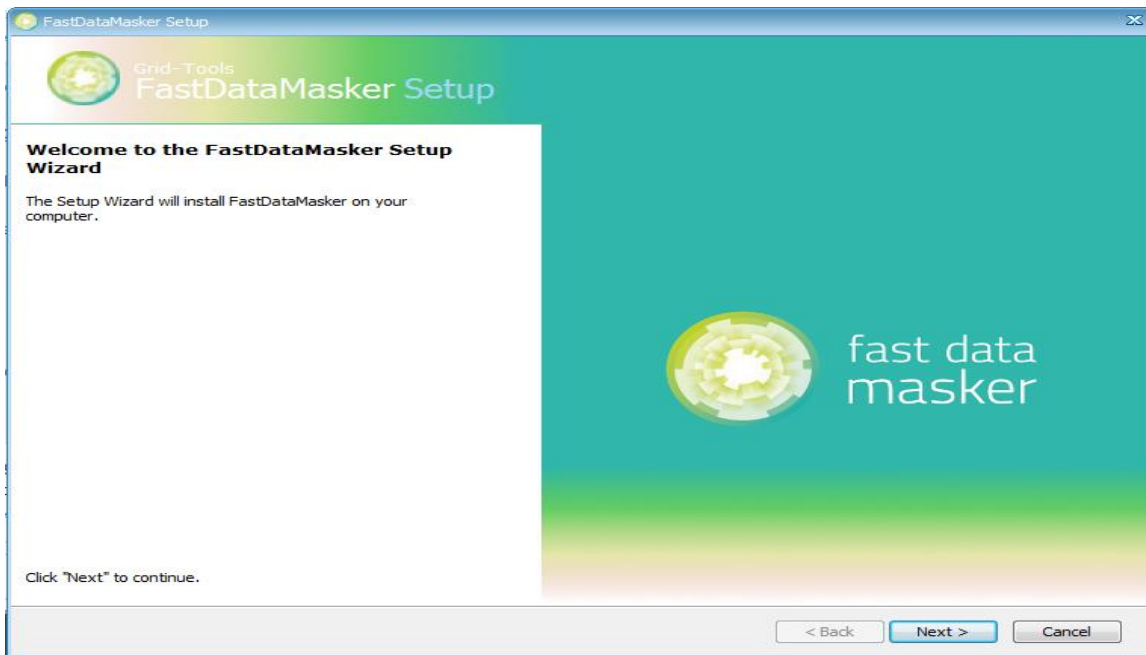


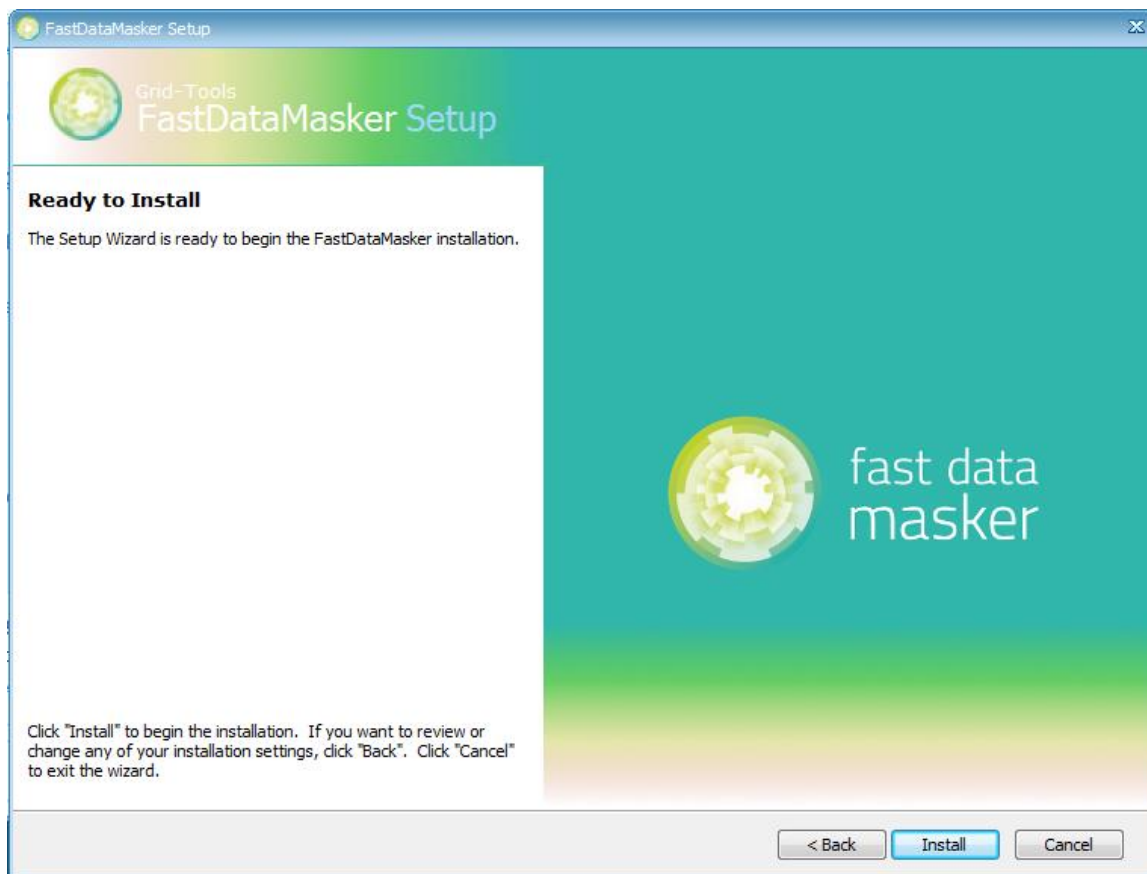
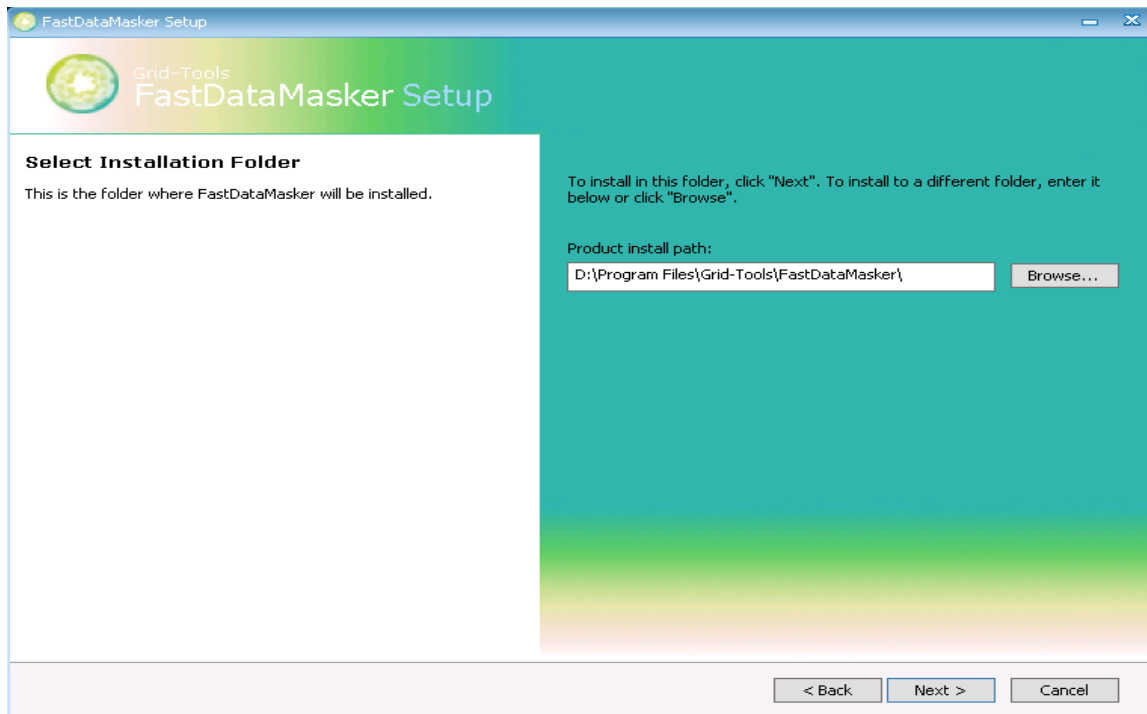


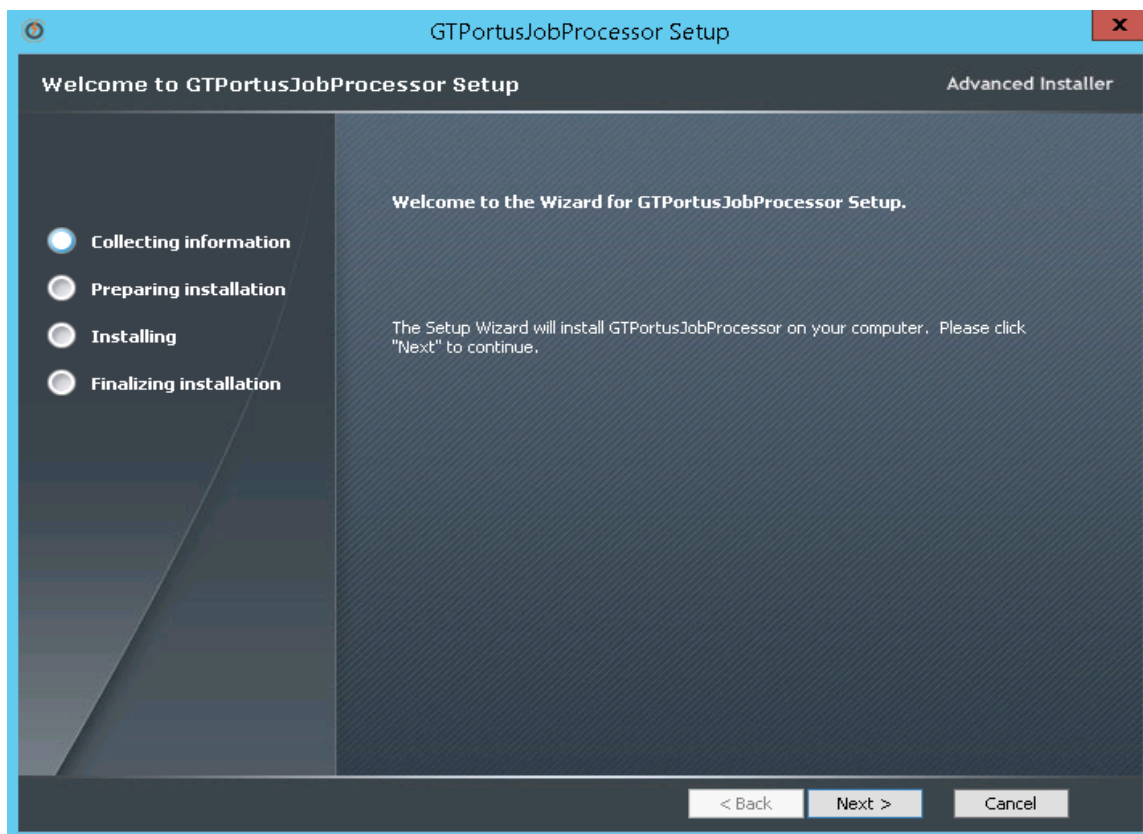
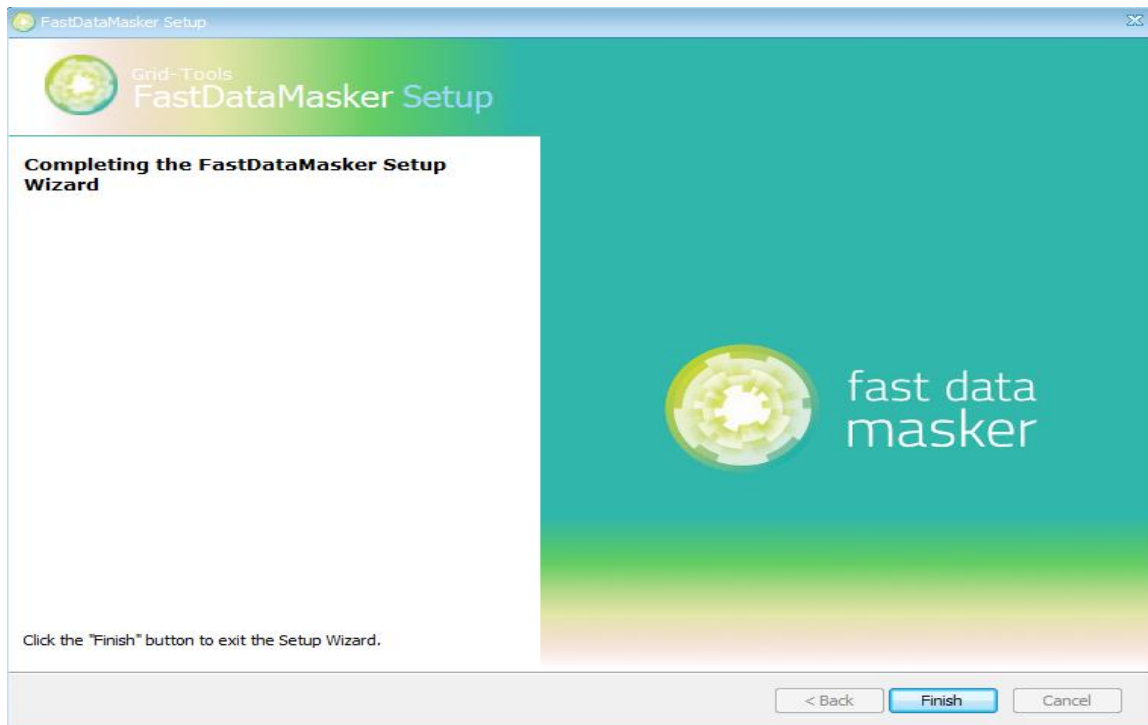




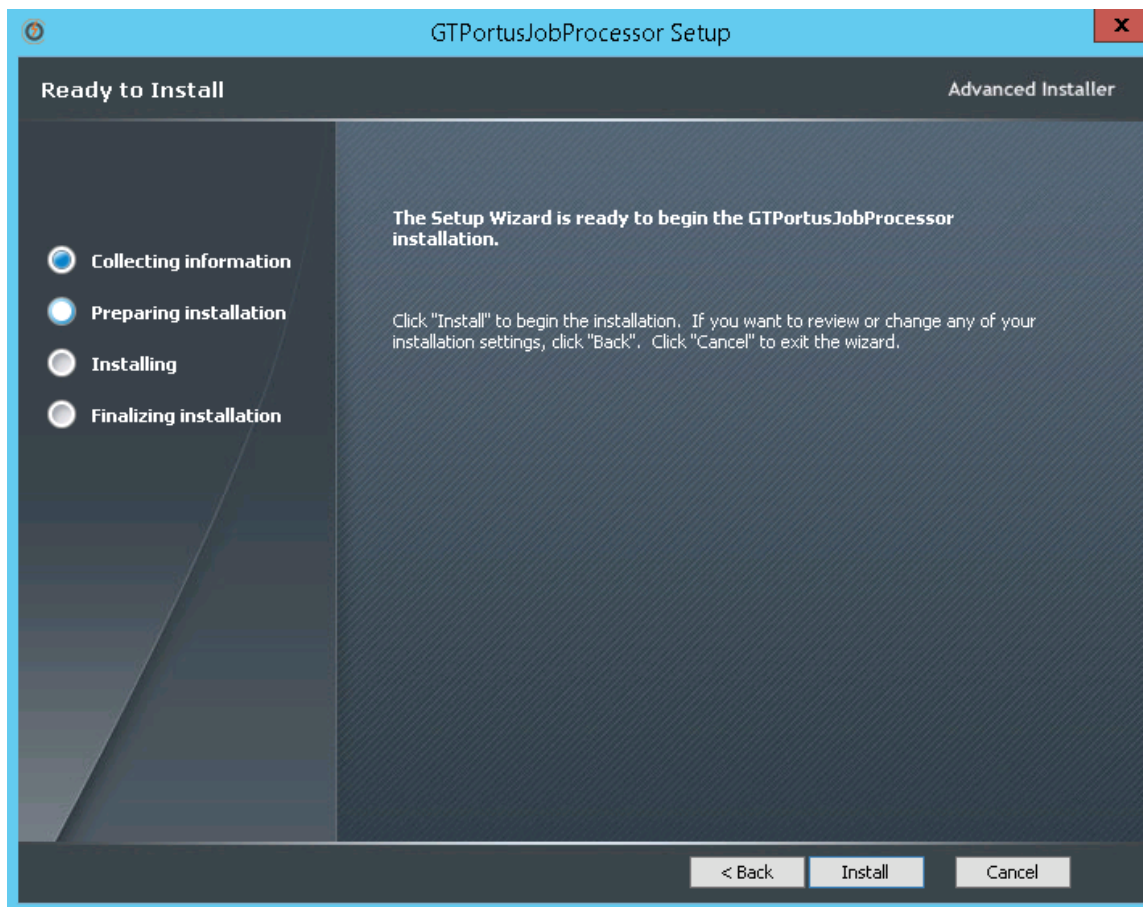
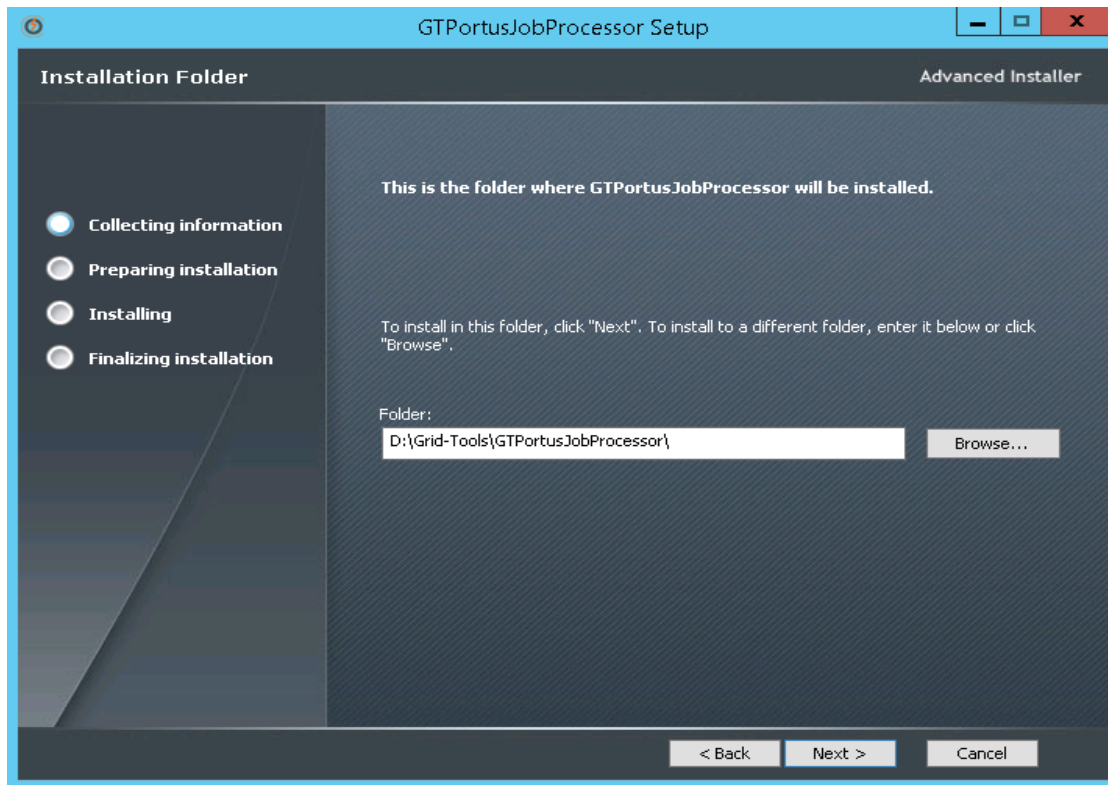




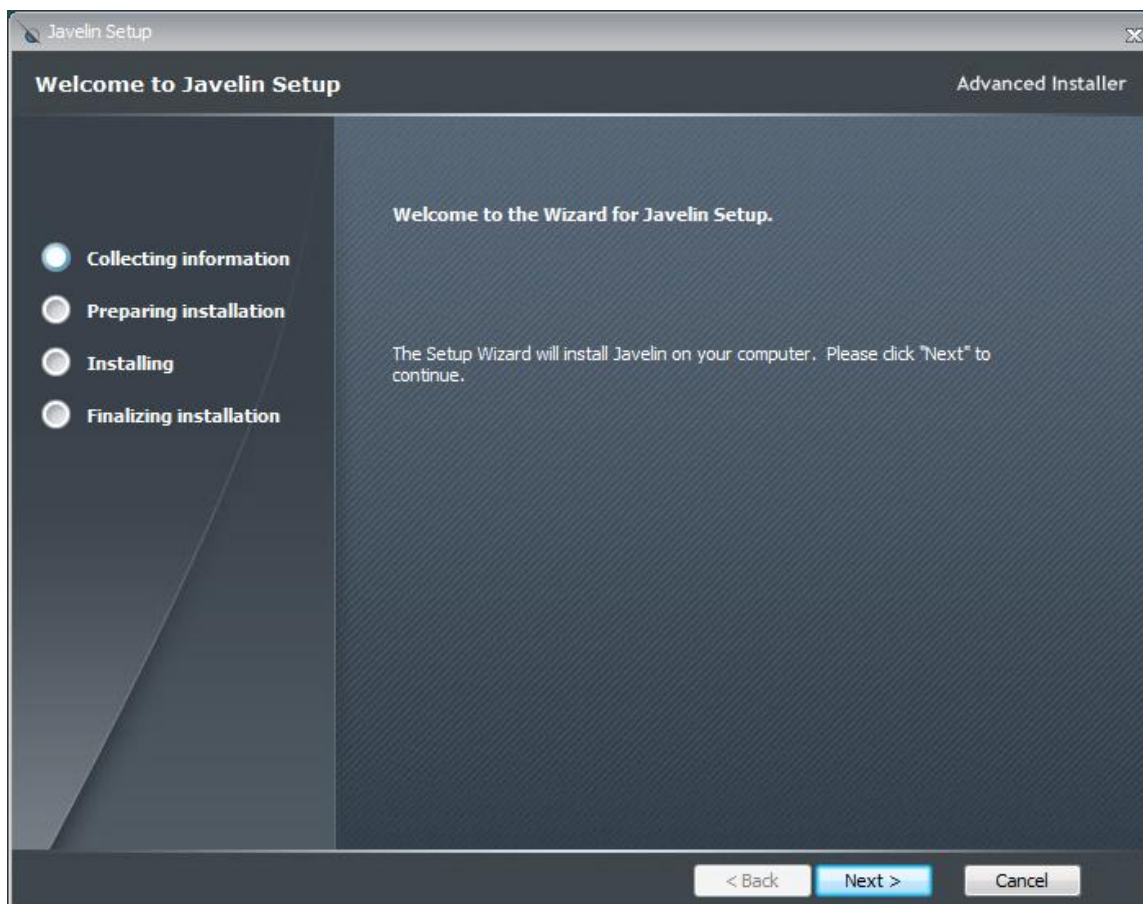
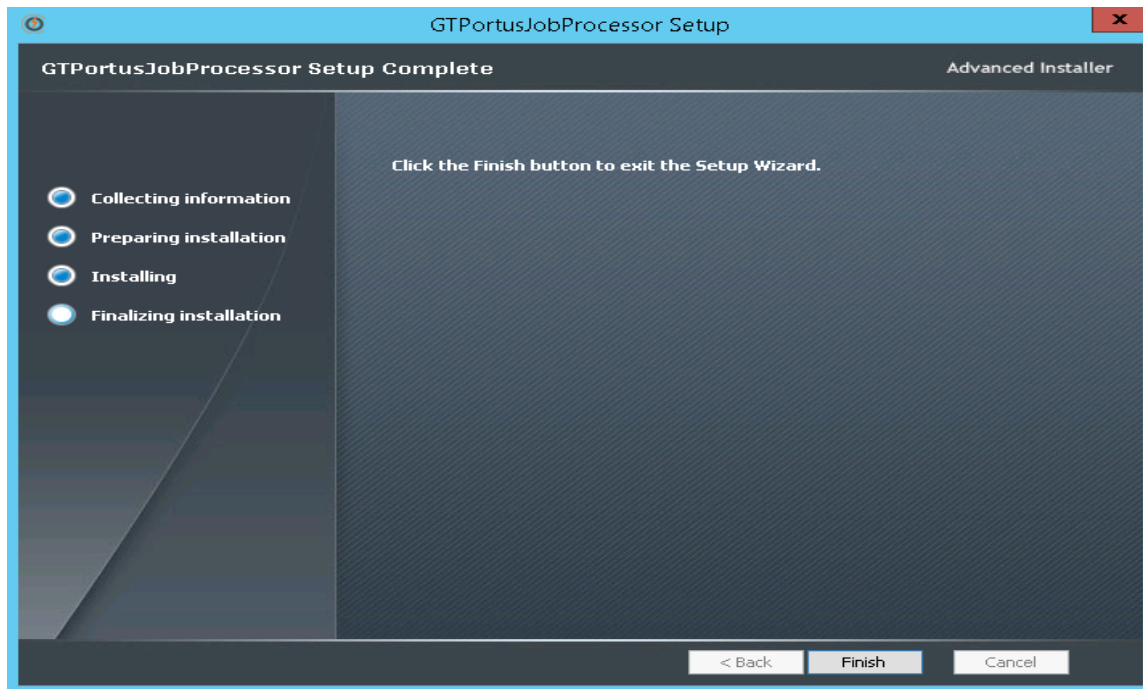


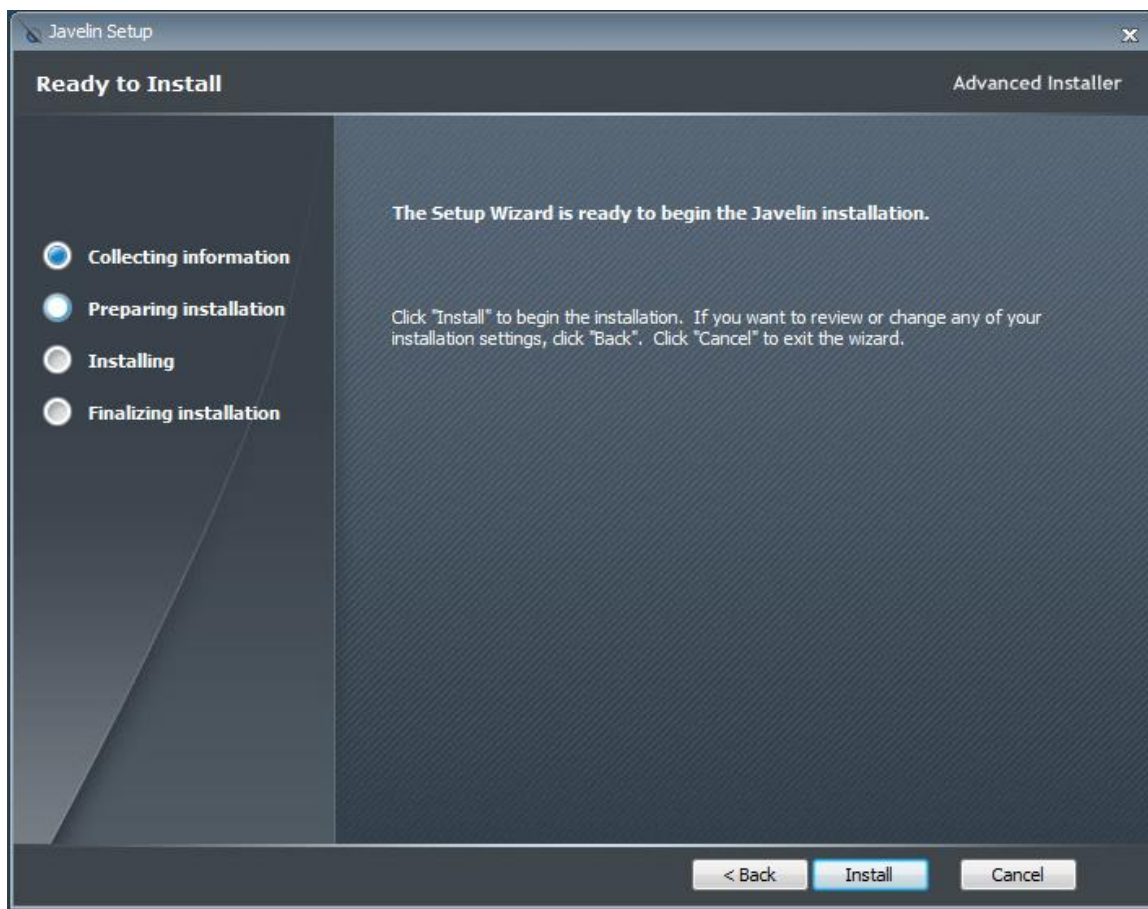
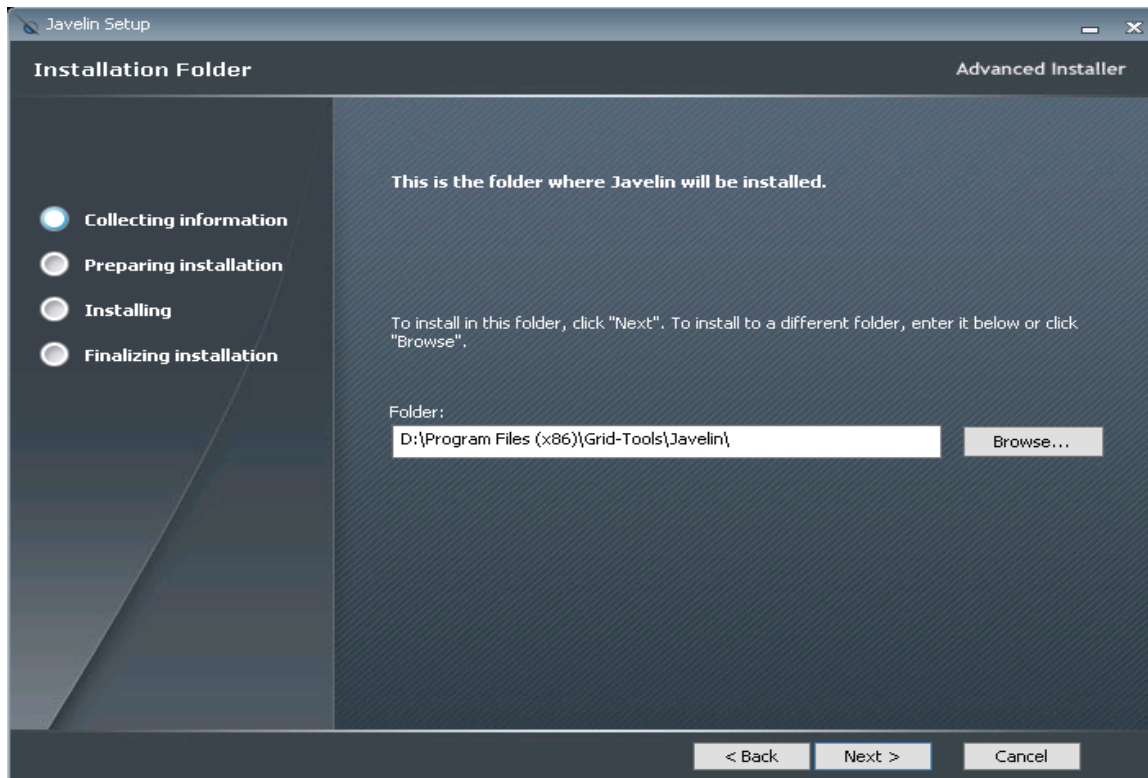


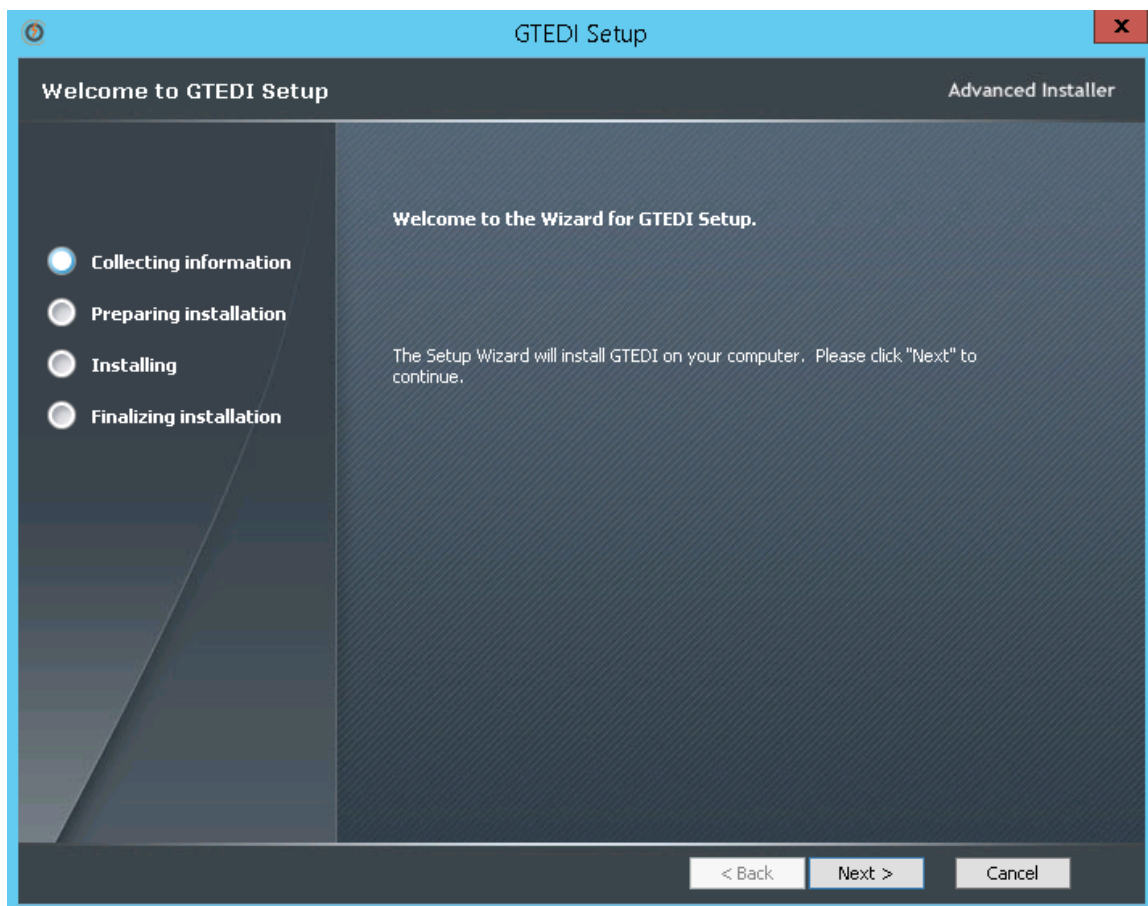
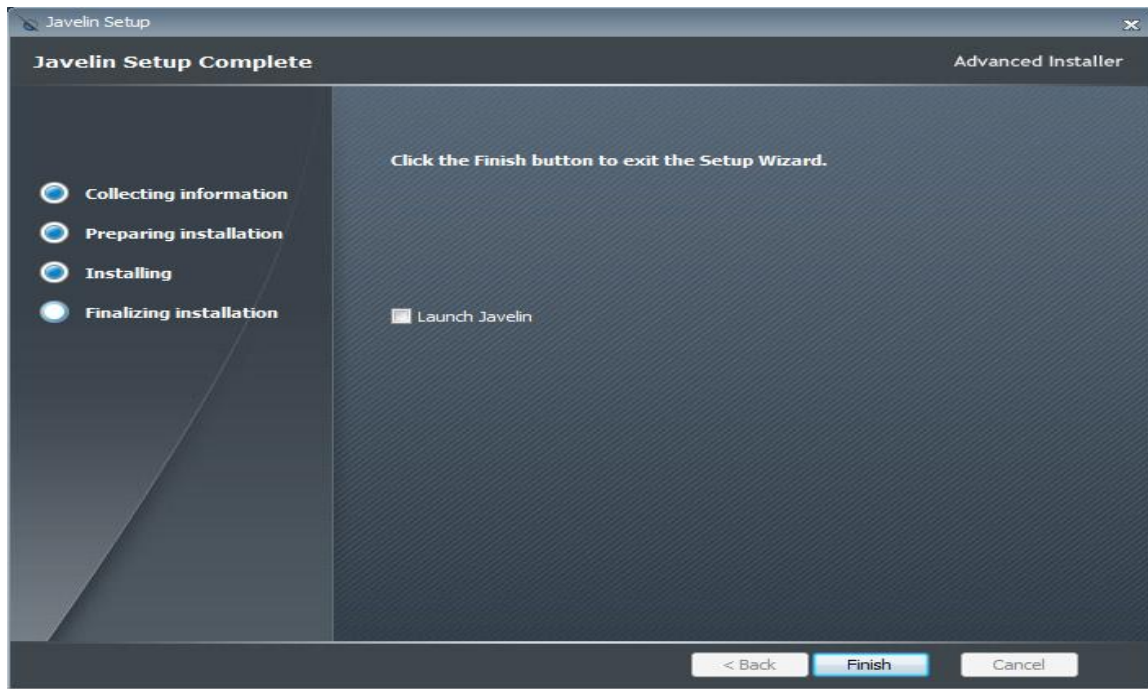




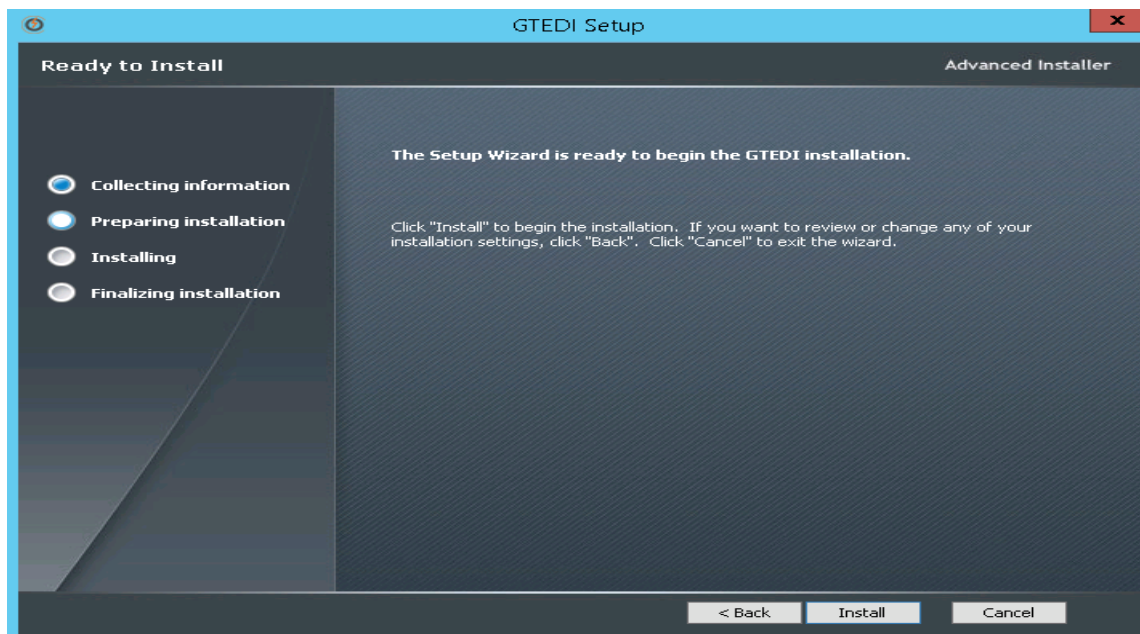
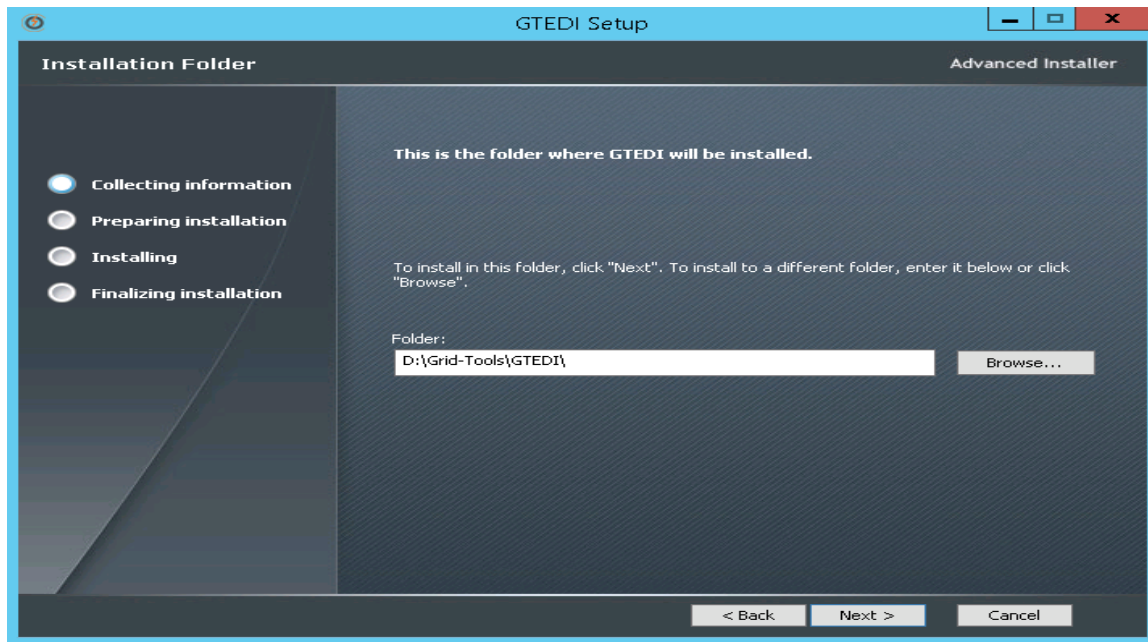


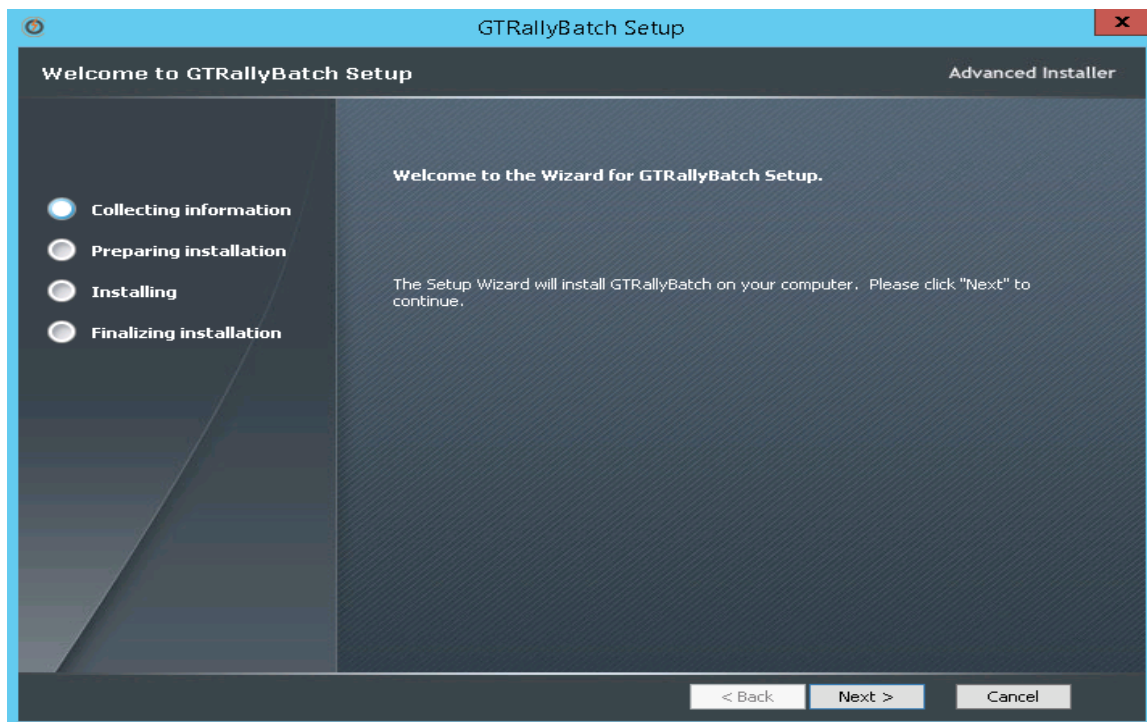
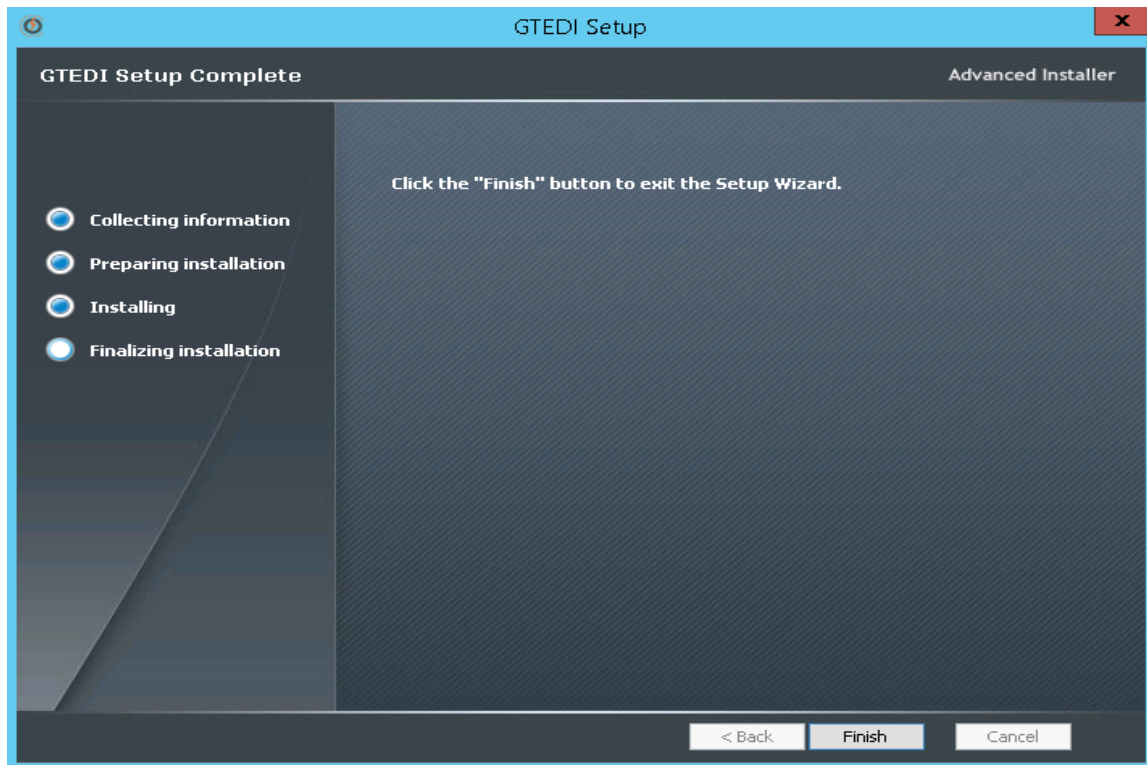


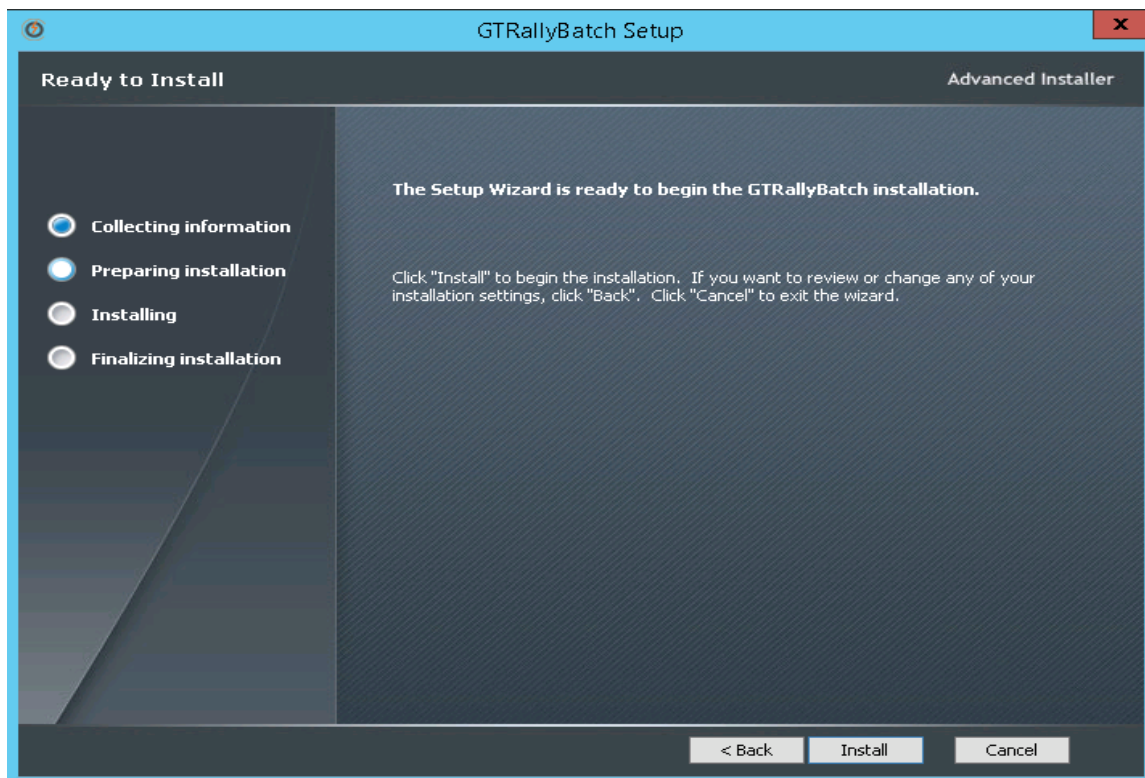
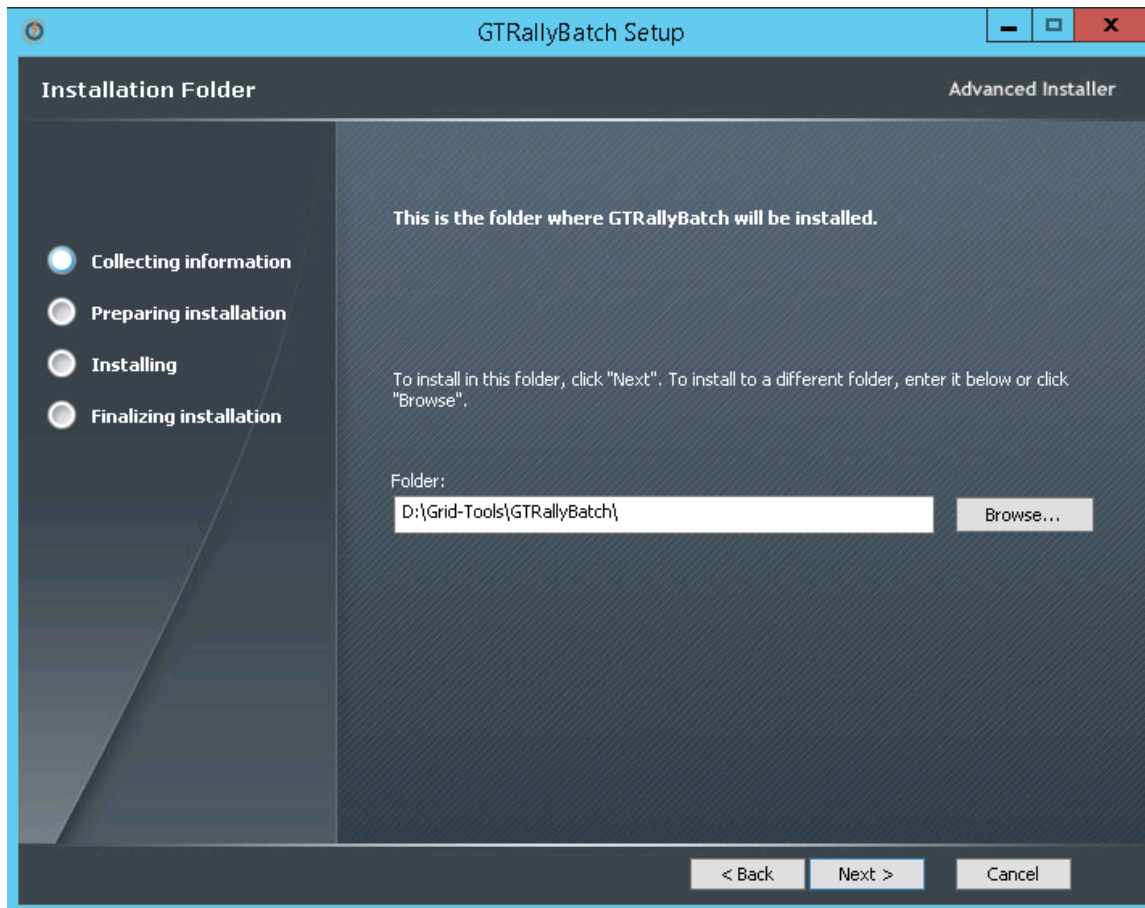




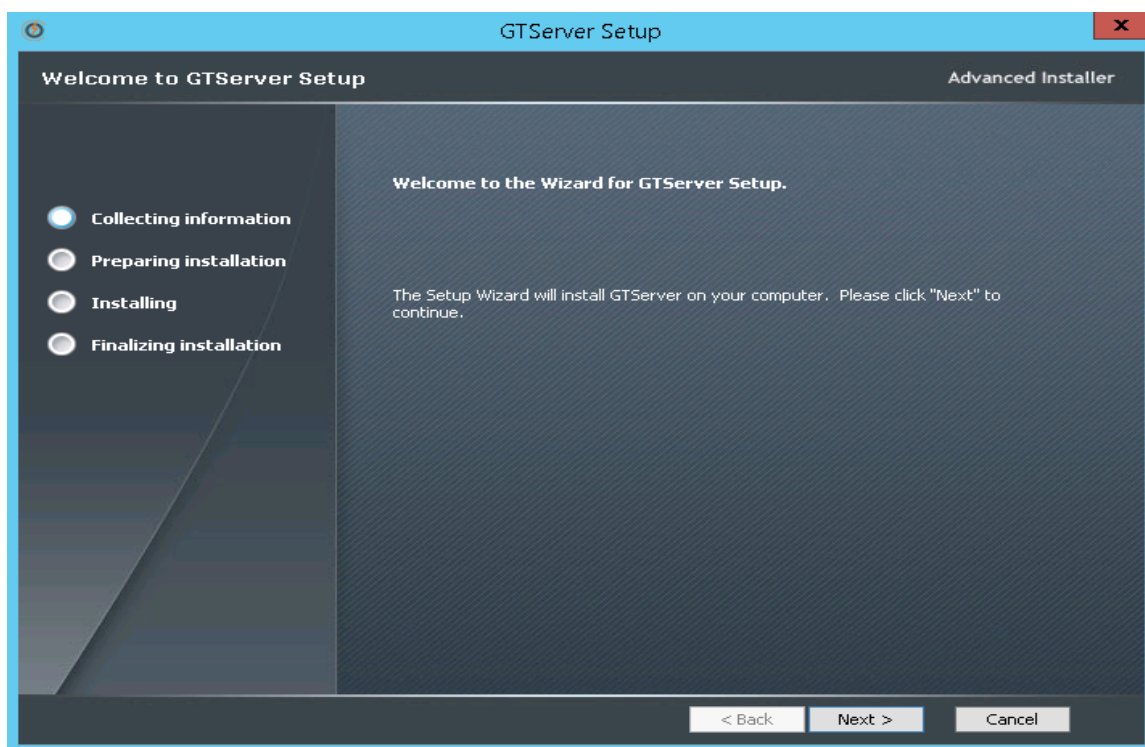
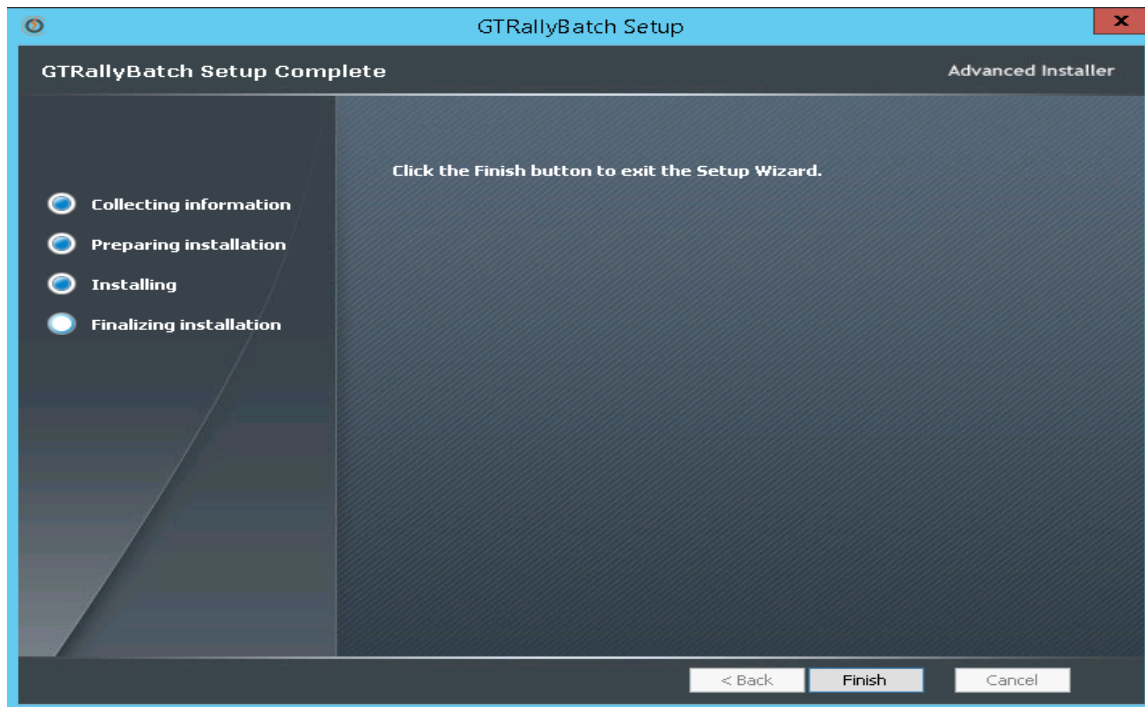


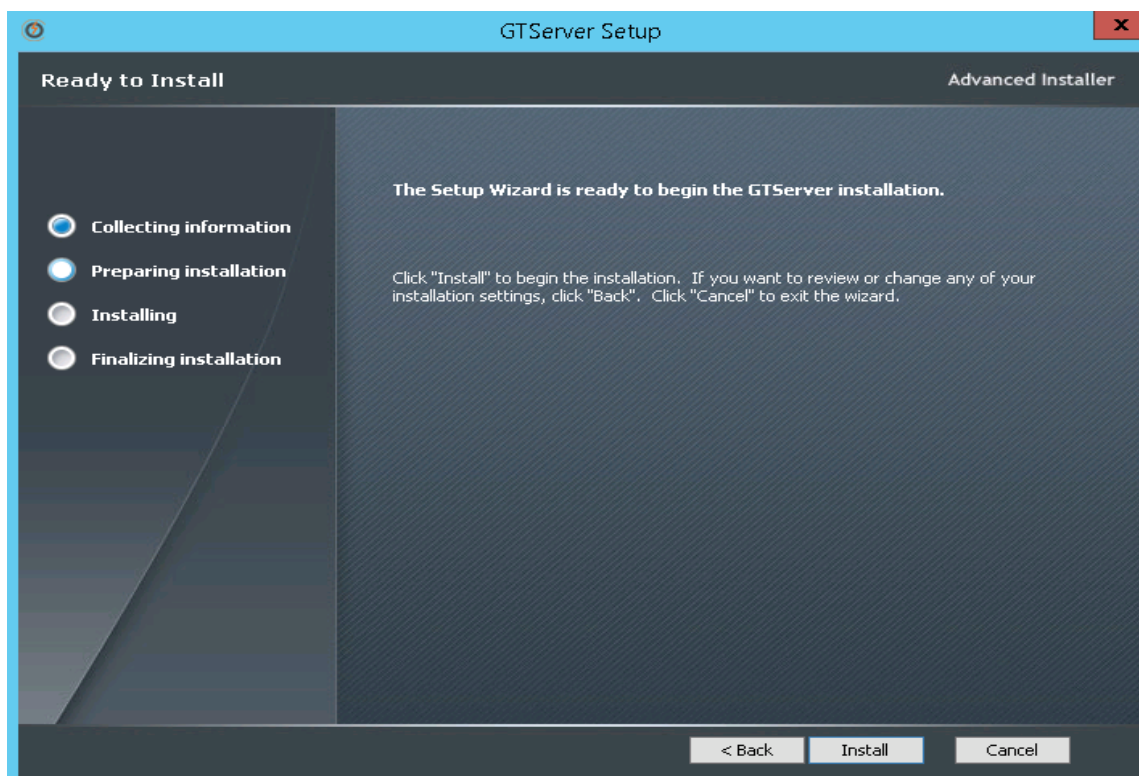
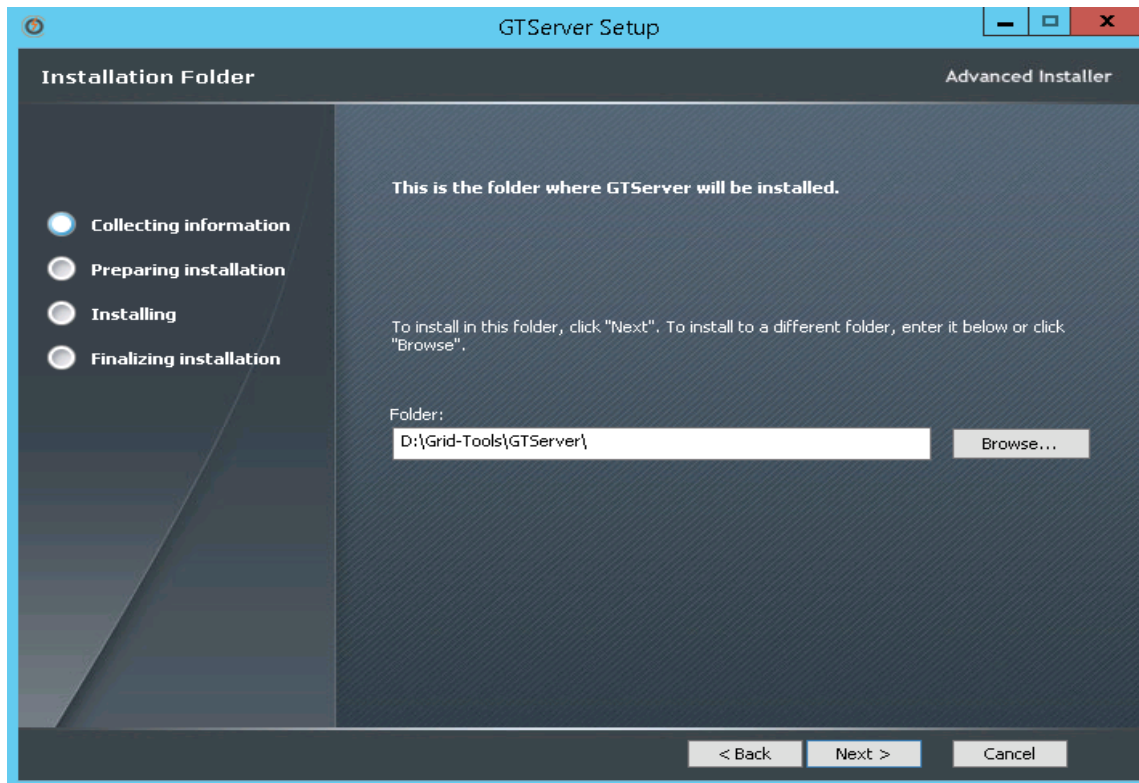




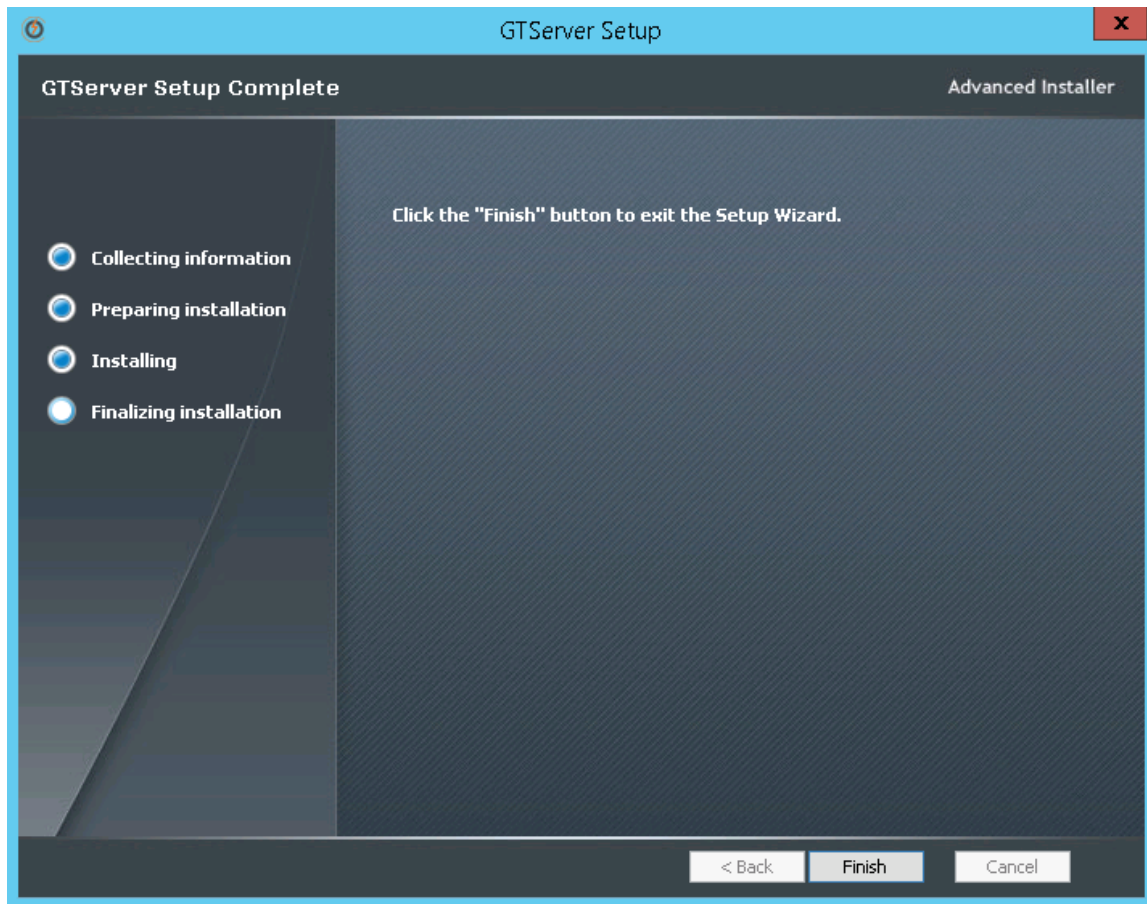








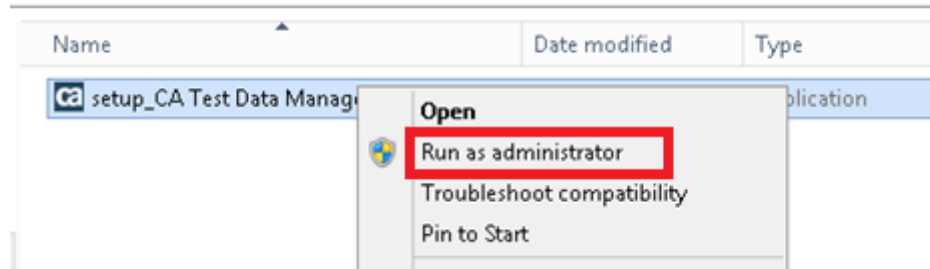




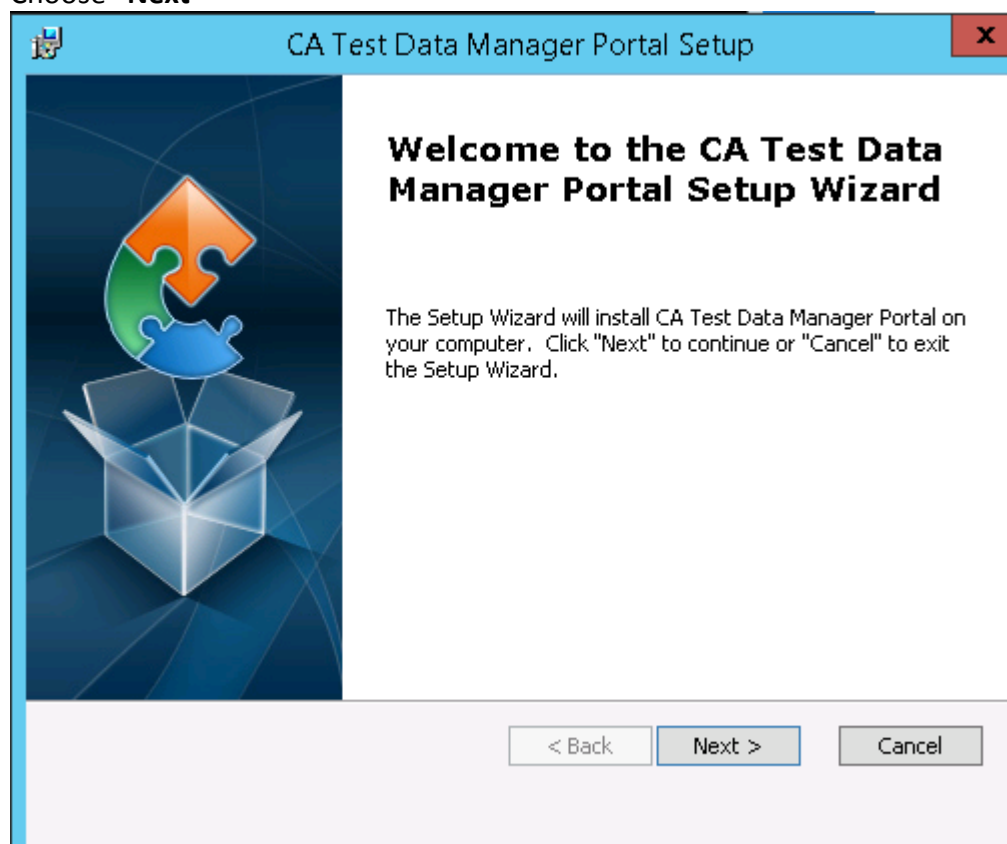
## Upgrade TDM Portal on windows

Follow below steps to upgrade the TDM Portal from 4.6/4.7 to 4.8

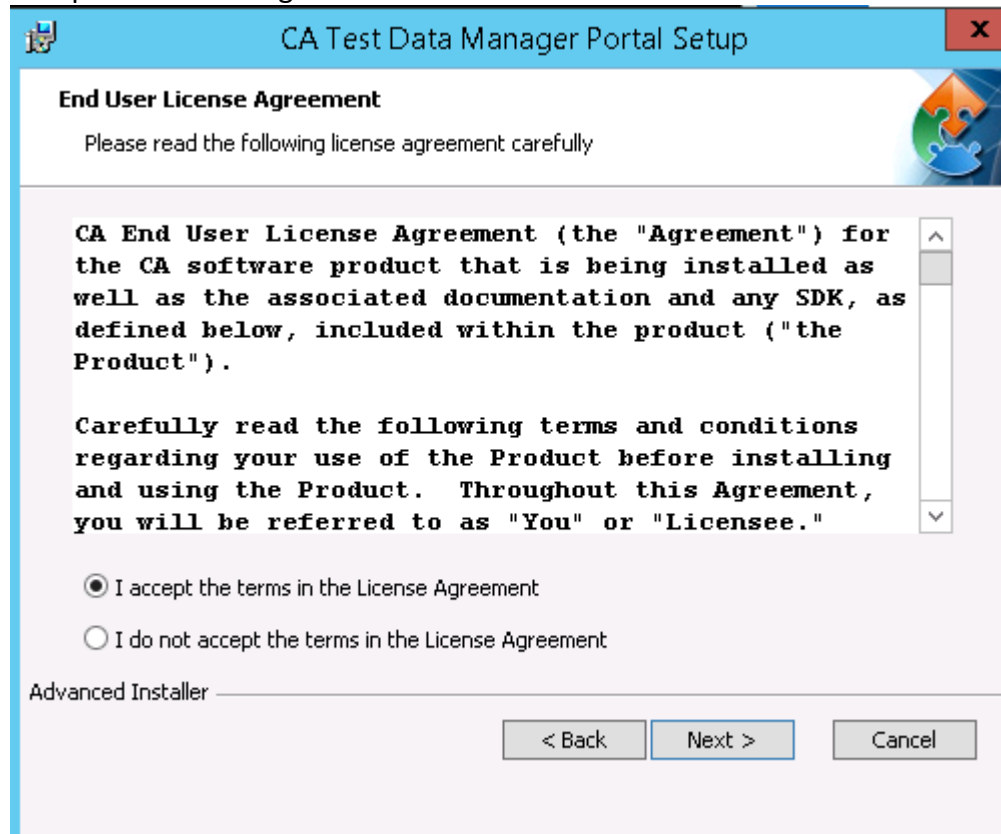
Right click on the setup\_CA Test Data Manager and select “**Run as administrator**”



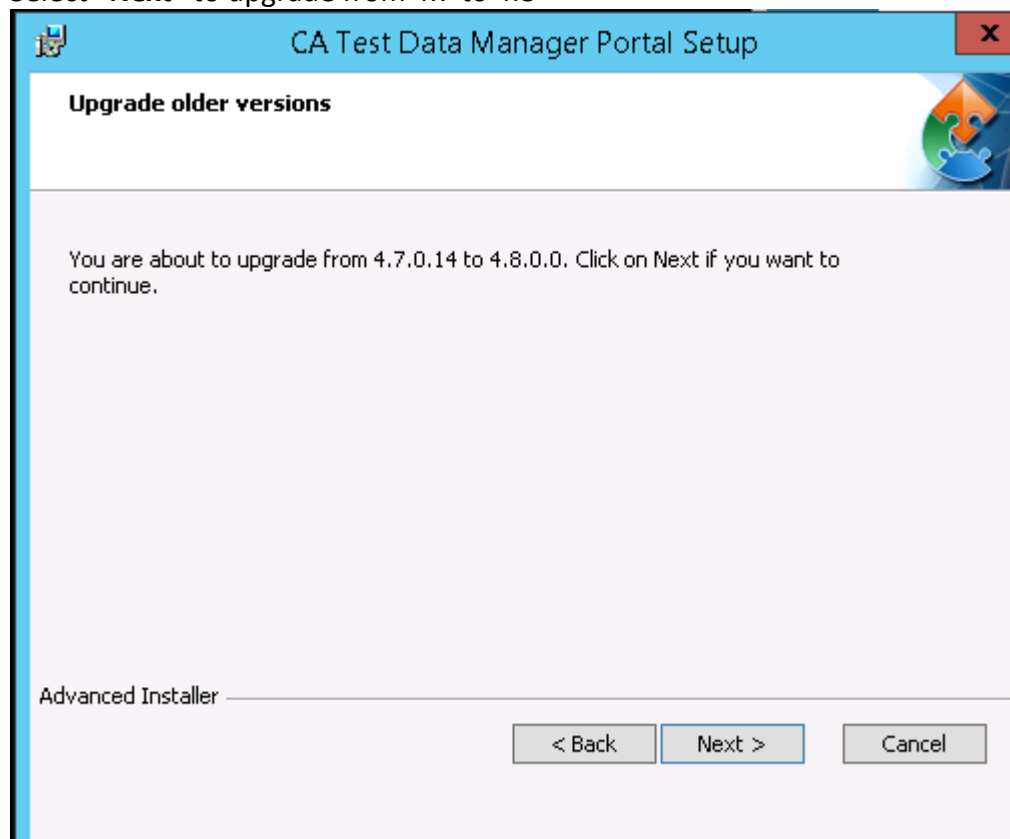
Choose “**Next**”



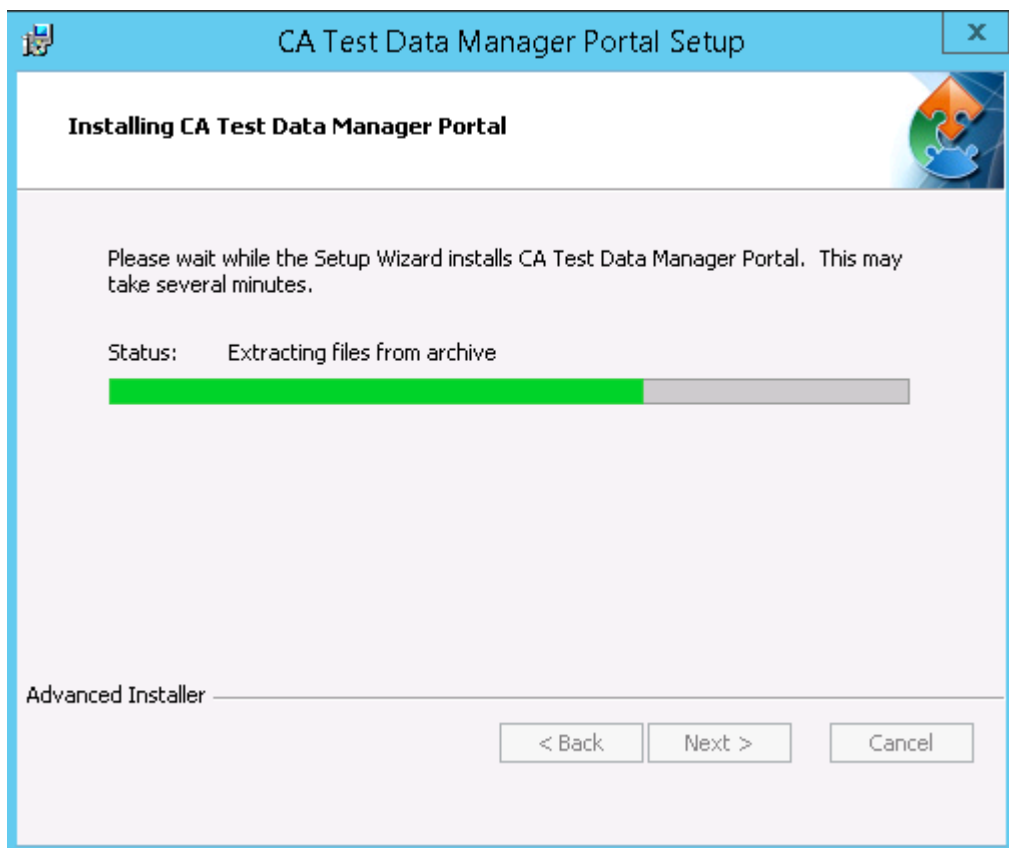
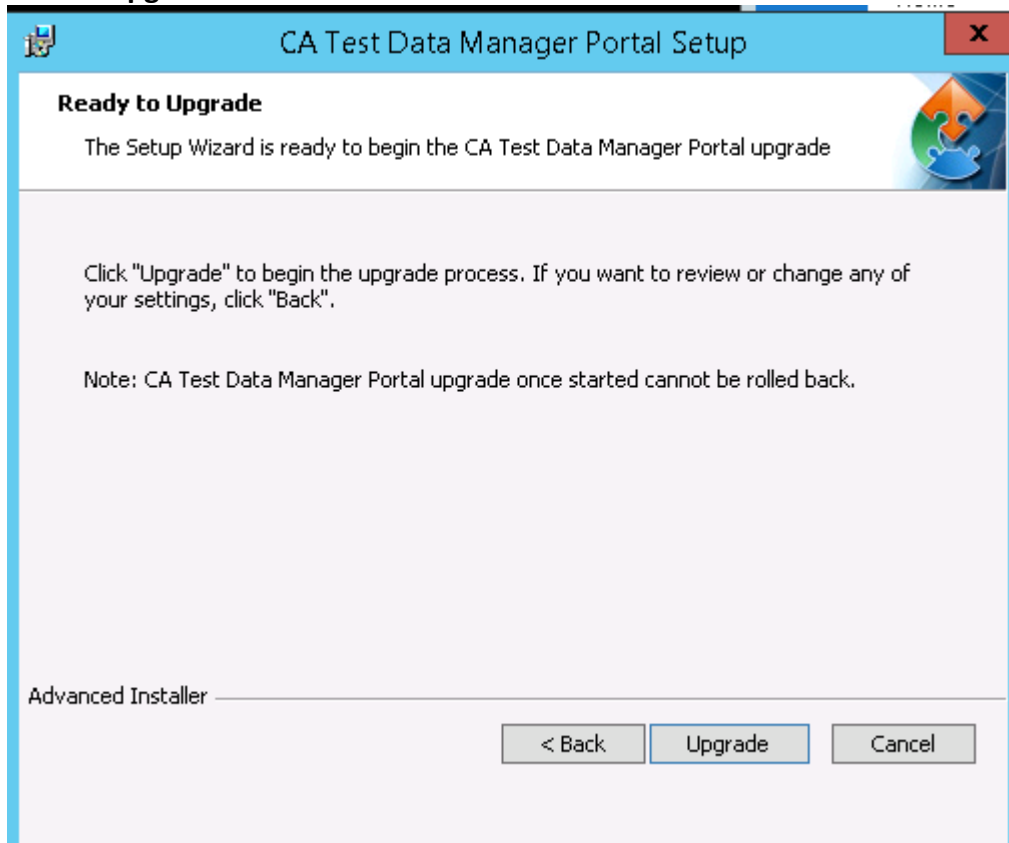
Accept the License Agreement and select “Next”



Select “Next” to upgrade from 4.7 to 4.8

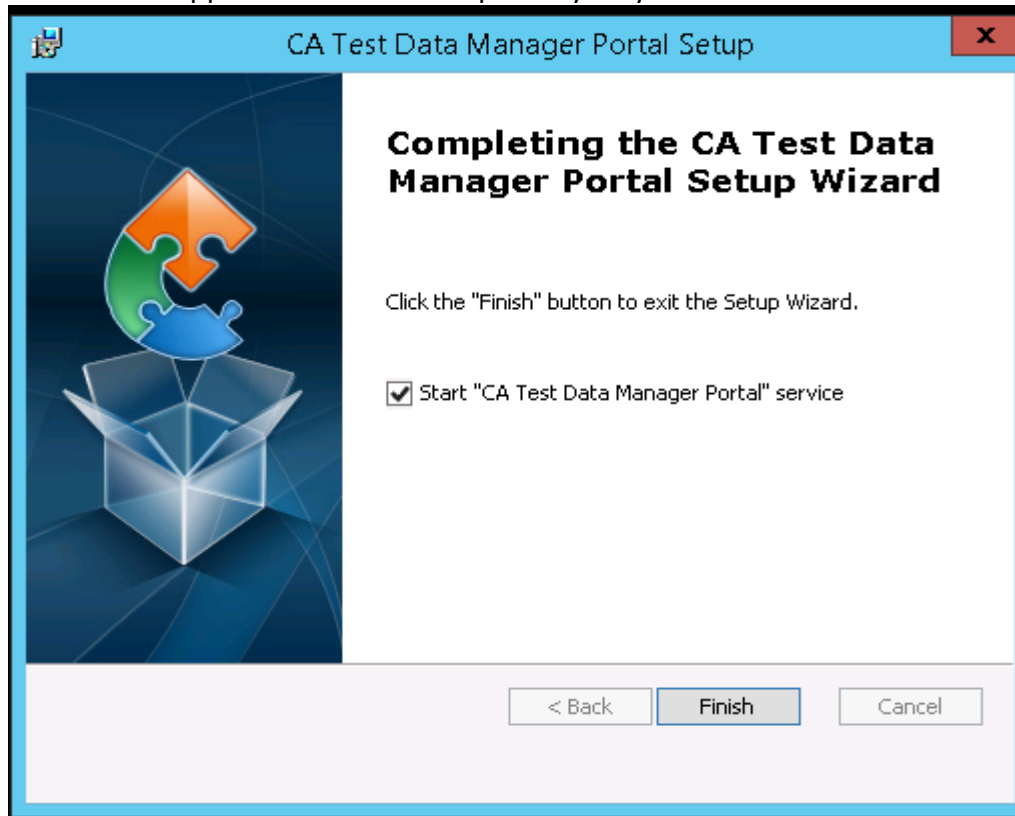


Select **"Upgrade"**



Select "Start CA Test Data Manager Portal" service to start the upgrade the repository automatically.

Note: This is applicable for Oracle repository only.



### Manual Repository Upgrade:

On TDM Portal server: Navigate to folder "C:\Program Files\CA\CA Test Data Manager Portal\schema-management"

Schema-management.bat -i ( for information on the repository information)

```
C:\Program Files\CA\CA Test Data Manager Portal\schema-management\bin>schema-man
agement.bat -i
[INFO] Flyway 4.2.0 by Boxfuse
[INFO] Database: jdbc:sqlserver://NARMA13-L22233\sqlexpress:49219;authentication
Scheme=nativeAuthentication;xopenStates=false;sendTimeAsDatetime=true;trustServe
rCertificate=false;sendStringParametersAsUnicode=true;selectMethod=direct;respon
seBuffering=adaptive;packetSize=8000;multiSubnetFailover=false;loginTimeout=15;l
ockTimeout=-1;lastUpdateCount=true;encrypt=false;disableStatementPooling=true;da
tabaseName=gtrep;applicationName=Microsoft JDBC Driver for SQL Server;applicatio
nIntent=readwrite; <Microsoft SQL Server 12.0>
[INFO] SQLServer does not support setting the schema for the current session. De
fault schema NOT changed to dbo
[INFO]
+-----+-----+-----+-----+
| Version | Description | Installed on | State |
+-----+-----+-----+-----+
| 4.6.0.0 | schemas | | <Baseline |
| 4.6.0.1 | proc fn seq | | <Baseline |
| 4.6.0.2 | tables views constraints | | <Baseline |
| 4.6.0.3 | tables qrtz | | <Baseline |
| 4.6.0.4 | triggers profile | | <Baseline |
| 4.6.0.10 | InitialData | | <Baseline |
| 4.6.1.0 | pk gtrep td | | <Baseline |
| 4.7.0.0 | enhancements | | <Baseline |
| 4.7.0.1 | views | | <Baseline |
| 4.7.0.2 | << Flyway Baseline >> | 2019-02-28 20:27:56 | Success |
| 4.8.0.0 | proc fn seq | 2019-02-28 20:27:56 | Success |
| 4.8.0.1 | pk gtrep td | 2019-02-28 20:27:56 | Success |
| 4.8.0.2 | tables qrtz | 2019-02-28 20:27:56 | Success |
| 4.8.0.3 | triggers profile | 2019-02-28 20:27:56 | Success |
| 4.8.0.4 | clob1 | 2019-02-28 20:27:56 | Success |
+-----+-----+-----+-----+
```

Schema-management.bat -m ( for upgrading the repository)

```
C:\Program Files\CA\CA Test Data Manager Portal\schema-management\bin>schema-man
agement.bat -m
[INFO] Flyway 4.2.0 by Boxfuse
[INFO] Database: jdbc:oracle:thin:@//localhost:1521/XE (Oracle 11.2)
[INFO] Successfully validated 14 migrations (execution time 00:00.297s)
[INFO] Creating Metadata table: "GTREP"."schema_version"
[INFO] Successfully baselined schema with version: 4.7.0.2
[INFO] Current version of schema "GTREP": 4.7.0.2
[WARN] outOfOrder mode is active. Migration of schema "GTREP" may not be reprodu
cible.
[INFO] Migrating schema "GTREP" to version 4.8.0.0 - functions
[INFO] Migrating schema "GTREP" to version 4.8.0.1 - pk gtrep td
[INFO] Migrating schema "GTREP" to version 4.8.0.2 - tables qrtz
[INFO] Migrating schema "GTREP" to version 4.8.0.3 - triggers profile
[INFO] Migrating schema "GTREP" to version 4.8.0.4 - clob1
[INFO] Successfully applied 5 migrations to schema "GTREP" (execution time 00:01
.432s).
[INFO] Syncing 'gtrep_system' and 'schema_version' tables
[INFO] Updating gtrep_system.sys_rep_ver to 4.8.0.4
```

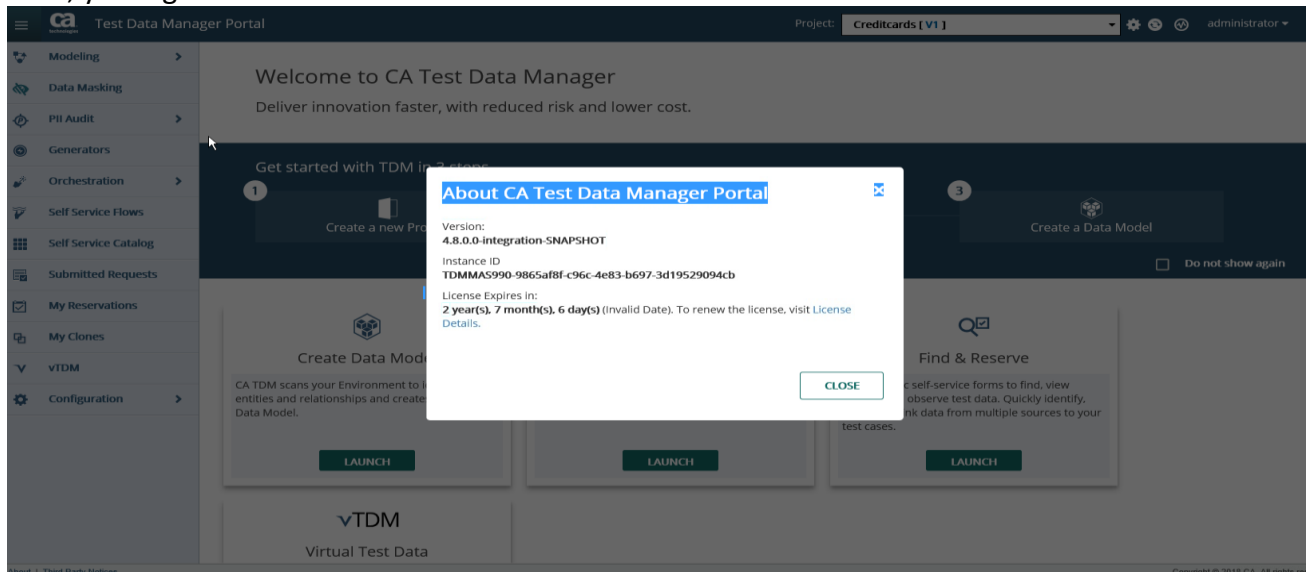
## Verification

Schema-management.bat -i ( Note Success for Version 4.8.0.x)

```
Administrator: C:\Windows\system32\cmd.exe
agement.bat -i
[INFO] Flyway 4.2.0 by Boxfuse
[INFO] Database: jdbc:oracle:thin:@//localhost:1521/XE (Oracle 11.2)
[INFO]
```

Version	Description	Installed on	State
4.6.0.0	tables		<BaseIn
4.6.0.1	functions		<BaseIn
4.6.0.2	tables qrtz		<BaseIn
4.6.0.3	triggers profile		<BaseIn
4.6.0.10	InitialData		<BaseIn
4.6.1.0	pk gtrep td		<BaseIn
4.7.0.0	enhancements		<BaseIn
4.7.0.1	views		<BaseIn
4.7.0.2	<< Flyway Baseline >>	2019-03-01 18:48:55	Success
4.8.0.0	functions	2019-03-01 18:48:56	Success
4.8.0.1	pk gtrep td	2019-03-01 18:48:56	Success
4.8.0.2	tables qrtz	2019-03-01 18:48:56	Success
4.8.0.3	triggers profile	2019-03-01 18:48:56	Success
4.8.0.4	clob1	2019-03-01 18:48:56	Success

Now, you log into the TDM Portal and see the TDM Portal 4.8 version



## TDM Portal on docker with Oracle Repository

Follow the below steps to upgrade the TDM portal on docker with Oracle repository

Note1: logged in as root account.

Note2: Docker is supported in Oracle Repository only as of now.

1. Extract the TDMWeb package

**Command:** `tar -xvf tdm_tdmweb_Preview2.tar`

**[root@opncentos7u2x64-dock TDM4.8]# tar -xvf tdm\_tdmweb\_Preview2.tar**

```
060283e12f1107b808c83b8276050aa1da70dbdcbdd22cf41c6853cdf2cac9a/  
060283e12f1107b808c83b8276050aa1da70dbdcbdd22cf41c6853cdf2cac9a/VERSION  
060283e12f1107b808c83b8276050aa1da70dbdcbdd22cf41c6853cdf2cac9a/json  
060283e12f1107b808c83b8276050aa1da70dbdcbdd22cf41c6853cdf2cac9a/layer.tar  
10adc8e6016d3d41f2b400e46db9cf645f432a691df7f863a2b08cd49a15fe3e/  
10adc8e6016d3d41f2b400e46db9cf645f432a691df7f863a2b08cd49a15fe3e/VERSION
```

2. Load the image to local directory

**Command:** `docker load -i tdm_tdmweb_Preview2.tar`

**[root@opncentos7u2x64-dock TDM4.8]# cat tdm\_tdmweb\_Preview2.tar | docker load**

```
0de2edf7bfff4: Loading layer [=====>]  
121.3MB/121.3MB  
b2fd8b4c3da7: Loading layer [=====>]  
15.87kB/15.87kB  
f67191ae09b8: Loading layer [=====>]  
11.78kB/11.78kB  
68dda0c9a8cd: Loading layer [=====>]  
3.072kB/3.072kB  
b5f78b63ba22: Loading layer [=====>]  
6.022MB/6.022MB  
a8523a4dedcb: Loading layer [=====>]  
217.3MB/217.3MB  
52851e2e06d1: Loading layer [=====>]  
2.167MB/2.167MB  
cafda07b3ffa: Loading layer [=====>]  
9.505MB/9.505MB  
db0502b438ec: Loading layer [=====>]  
881.2kB/881.2kB  
8cdc0ddfca6a: Loading layer [=====>]  
37.89kB/37.89kB  
a4f041da6e67: Loading layer [=====>] 51.2kB/51.2kB  
868498874bd9: Loading layer [=====>]  
36.35kB/36.35kB  
fb11f6e9b237: Loading layer [=====>]  
64.53MB/64.53MB  
4a1564953c0d: Loading layer [=====>]  
4.608kB/4.608kB  
9753cfb2dbb2: Loading layer [=====>]  
143.9kB/143.9kB  
58dbca1ee397: Loading layer [=====>]  
26.62kB/26.62kB  
54234da15830: Loading layer [=====>]  
3.238MB/3.238MB  
a1830791b216: Loading layer [=====>]  
63.49kB/63.49kB  
dc9871952681: Loading layer [=====>]  
93.18kB/93.18kB  
c5dfa4732093: Loading layer [=====>] 1.08GB/1.08GB  
096a887fa468: Loading layer [=====>]  
4.557MB/4.557MB  
d4cc07c9e57d: Loading layer [=====>]  
13.31kB/13.31kB  
8a20ba16542b: Loading layer [=====>]  
26.62kB/26.62kB  
Loaded image: tdm/tdmweb:Preview2
```

### 3. List all the images loaded

**Command:** `docker images`

```
[root@opncentos7u2x64-dock TDM4.8]# docker images
```

REPOSITORY SIZE	TAG	IMAGE ID	CREATED
tdm/tdmweb 1.51GB	Preview2	e56e8eee0145	4 weeks ago
tdm/oracle-gtrep 7.76GB	11.2.0.1	fb59dafc47c7	4 months ago
isl-dsdc.ca.com:5000/tdm/oracle-gtrep 7.76GB	11.2.0.1	fb59dafc47c7	4 months ago
tdm/action-service 363MB	4.7.0.14	bc145349d912	4 months ago
tdm/orientdb 404MB	2.2.33	50dea34e2263	4 months ago
tdm/tdmtools 1.26GB	4.7.0.14	0e1e05b2df79	4 months ago
tdm/tdmweb 1.86GB	4.7.0.14	2a490fcada0f	4 months ago
gcr.io/google_containers/hyperkube 217MB	v1.0.1	f8659cc29465	3 years ago
gcr.io/google_containers/etcd 15.3MB	2.0.12	dd4956bb4457	3 years ago
gcr.io/google_containers/pause 242kB	0.8.0	bf595365a558	3 years ago

### 4. List the containers

**Command:** `docker ps`

```
[root@opncentos7u2x64-dock docker]# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
3945ed1a5b2a	tdm/tdmweb:4.7.0.14	"/opt/tdm/bin/tdmw..."	3 months ago	Up 3 days	0.0.0.0:8080->8080/tcp, 0.0.0.0:8443->8443/tcp
30dbc99c8452	tdm/oracle-gtrep:11.2.0.1	"/bin/sh -c /u01/a..."	3 months ago	Up 3 days	1521/tcp
4d2f3efc4436	tdm/orientdb:2.2.33	"/opt/tdm/bin/orie..."	3 months ago	Up 3 days	2424/tcp, 2480/tcp
		docker_tdmweb_1_d39dcad680f8			
		docker_database_1_28593dfd086e			
		docker_orientdb_1_40a2a38a3c2b			

### 5. Stop the docker containers

**Command:** `docker-compose -f docker-compose-ora.yml stop`

```
[root@opncentos7u2x64-dock docker]# docker-compose -f docker-compose-ora.yml stop
```

```
Stopping docker_tdmweb_1_d39dcad680f8 ... done
Stopping docker_tdmweb_1_d39dcad680f8 ... done
Stopping docker_database_1_28593dfd086e ... done
Stopping docker_orientdb_1_40a2a38a3c2b ... done
[root@opncentos7u2x64-dock docker]#
```



## 6. Take the backup of the file

Command: `cp docker-compose-ora.yml docer-compose-ora_backup.yml`

```
[root@opnncentos7u2x64-dock docker]# cp docker-compose-ora.yml docer-compose-ora_backup.yml
[root@opnncentos7u2x64-dock docker]# ls
Base_images  docker-compose-ora.yml  EULA.rtf  install.sh  NewFolder  readme
docer-compose-ora_backup.yml  docker-compose.yml  EULA.txt  install.zip  Oracle  TDM4.8
[root@opnncentos7u2x64-dock docker]#
[root@opnncentos7u2x64-dock docker]#
```

## 7. Update the docker-compose-ora.yml with new Image name

Command `[root@opnncentos7u2x64-dock docker]# nano docker-compose-ora.yml`

Note:

```
[root@opnncentos7u2x64-dock TDM4.8]# docker images
REPOSITORY          TAG          IMAGE ID          CREATED
SIZE
tdm/tdmweb           Preview2     e56e8eee0145     4 weeks ago
1.51GB
tdm/oracle-gtrep
```

Change the image name to `tdm/tdmweb:Preview2` [ REPOSITORY:TAG Name].

```
GNU nano 2.3.1                                File: docker-compose-ora.yml
version: '3.5'
networks:
  default:
    name: tdm_default
services:
  database:
    image: tdm/oracle-gtrep:11.2.0.1
    shm_size: '1G'
    hostname: database
  orientdb:
    image: tdm/orientdb:2.2.33
    hostname: orientdb
    environment:
      # - 'ORIENTDB_ROOT_PASSWORD=marmite'
      - 'ORIENTDB_ROOT_PASSWORD={cry}tHpzgrvNhtVu6uHGnd9Ed1AuwMR300L0sAXhBwdgM3Md'
  tdmweb:
    image: tdm/tdmweb:Preview2
    hostname: tdmweb
    environment:
      - 'GTREP_HOST=database'
      - 'GTREP_SERVICE_NAME=orcl'
      - 'GTREP_PASSWORD=Gridt00ls'
      # - 'ORIENTDB_PASSWORD=marmite'
      - 'ORIENTDB_PASSWORD={cry}tHpzgrvNhtVu6uHGnd9Ed1AuwMR300L0sAXhBwdgM3Md'
      - 'TDM_LICENSE=aYLEvfziS03N-OvnwQNMnMUuV-rS54r8hQCYu1ccqcaZiSMSVwVo5M+IBrAEIuTF-Z82UPF7bdw6wO'
    depends_on:
      - database
      - orientdb
    ports:
      - '8080:8080'
      - '8443:8443'
```

## 8. Start the TDM portal

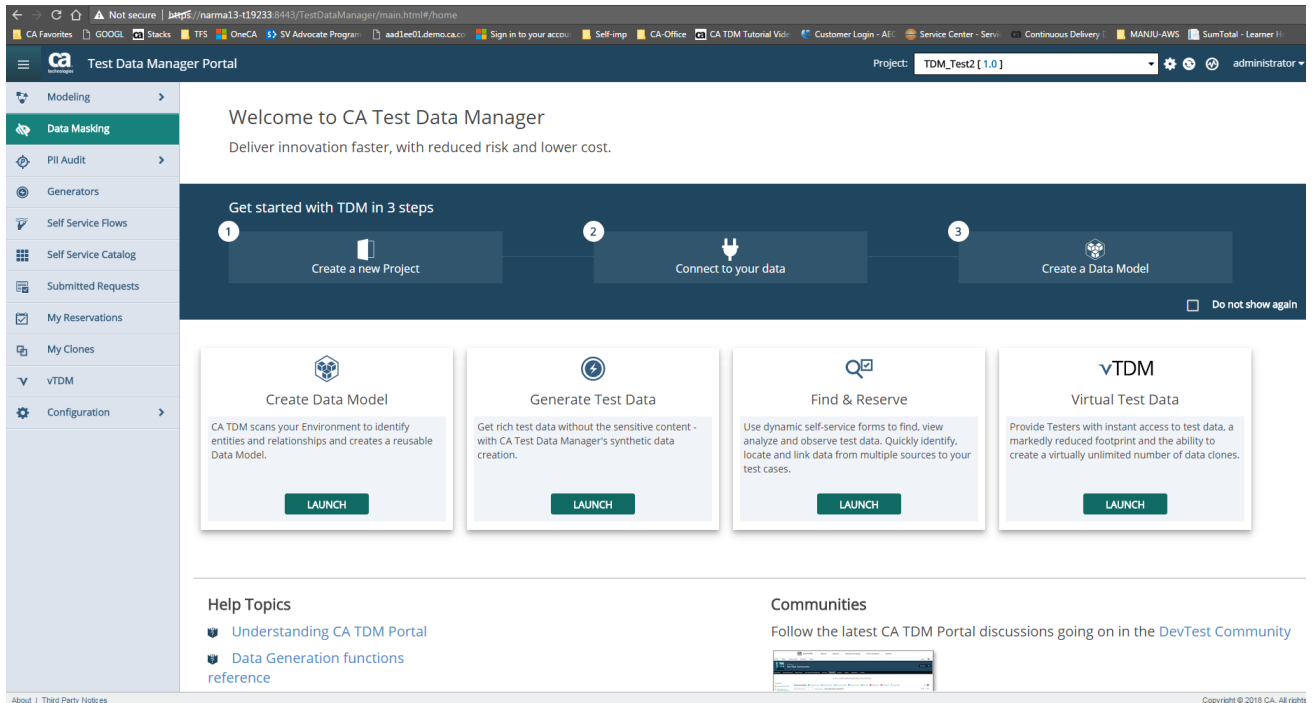
Command: `docker-compose -f docker-compose-ora.yml up`

```
[root@opncentos7u2x64-dock docker]# docker-compose -f docker-compose-ora.yml up
Starting docker_database_1_28593dfd086e ... done
Starting docker_orientdb_1_40a2a38a3c2b ... done
Recreating docker_tdmweb_1_d39dcad680f8 ... done
Attaching to docker_database_1_28593dfd086e, docker_orientdb_1_40a2a38a3c2b, docker_tdmweb_1_d39dcad680f8
database_1_28593dfd086e | Setting root password
orientdb_1_40a2a38a3c2b | LSNRCTL for Linux: Version 11.2.0.1.0 - Production on 05-MAR-2019 15:37:24
database_1_28593dfd086e | Copyright (c) 1991, 2009, Oracle. All rights reserved.
database_1_28593dfd086e |
database_1_28593dfd086e | First container startup
database_1_28593dfd086e | Default config started
tdmweb_1_d39dcad680f8 | No config files found in /opt/tdm/conf. Creating new default configuration.
tdmweb_1_d39dcad680f8 | Mandatory files for generating keystore not found.
tdmweb_1_d39dcad680f8 | Expected certificate file: /opt/tdm/ssl-cert/tdm-site.pem
tdmweb_1_d39dcad680f8 | Expected key file: /opt/tdm/ssl-cert/tdm-site.key
tdmweb_1_d39dcad680f8 | Generating new keystore at: /opt/tdm/conf/.keystore
tdmweb_1_d39dcad680f8 | Starting /u01/app/oracle/product/11.2.0/db_1/bin/tnslsnr: please wait...
```

## 9. Wait for the **TDM Main** service to come up for the TDM Portal to be up and operational

```
tdmweb_1_d39dcad680f8 | Skipping re-initialization of Logback, because we are using logback.xml configuration which is already initialized
tdmweb_1_d39dcad680f8 |
tdmweb_1_d39dcad680f8 | TDMMain
tdmweb_1_d39dcad680f8 |
tdmweb_1_d39dcad680f8 | Tue Mar 05 15:41:31 2019
tdmweb_1_d39dcad680f8 | 05-MAR-2019 15:41:31 * (CONNECT_DATA=(CID=(PROGRAM=JDBC Thin Client)(HOST=__jdbc__)(USER=root))(SERVICE_NAME=orc1))
tdmweb_1_d39dcad680f8 | * establish * orcl * 0
```

## 10. You can launch TDM Portal from the browser with Administrator account



Test Data Manager Portal

Project: TDM\_Test2 [1.0] administrator

Welcome to CA Test Data Manager

Deliver innovation faster, with reduced risk and lower cost.

Get started with TDM in 3 steps

- 1 Create a new Project
- 2 Connect to your data
- 3 Create a Data Model

Do not show again

Create Data Model

CA TDM scans your Environment to identify entities and relationships and creates a reusable Data Model.

LAUNCH

Generate Test Data

Get rich test data without the sensitive content - with CA Test Data Manager's synthetic data creation.

LAUNCH

Find & Reserve

Use dynamic self-service forms to find, view analyze and observe test data. Quickly identify, locate and link data from multiple sources to your test cases.

LAUNCH

vTDM Virtual Test Data

Provide Testers with instant access to test data, a markedly reduced footprint and the ability to create a virtually unlimited number of data clones.

LAUNCH

Help Topics

- Understanding CA TDM Portal
- Data Generation functions reference

Communities

Follow the latest CA TDM Portal discussions going on in the [DevTest Community](#)

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