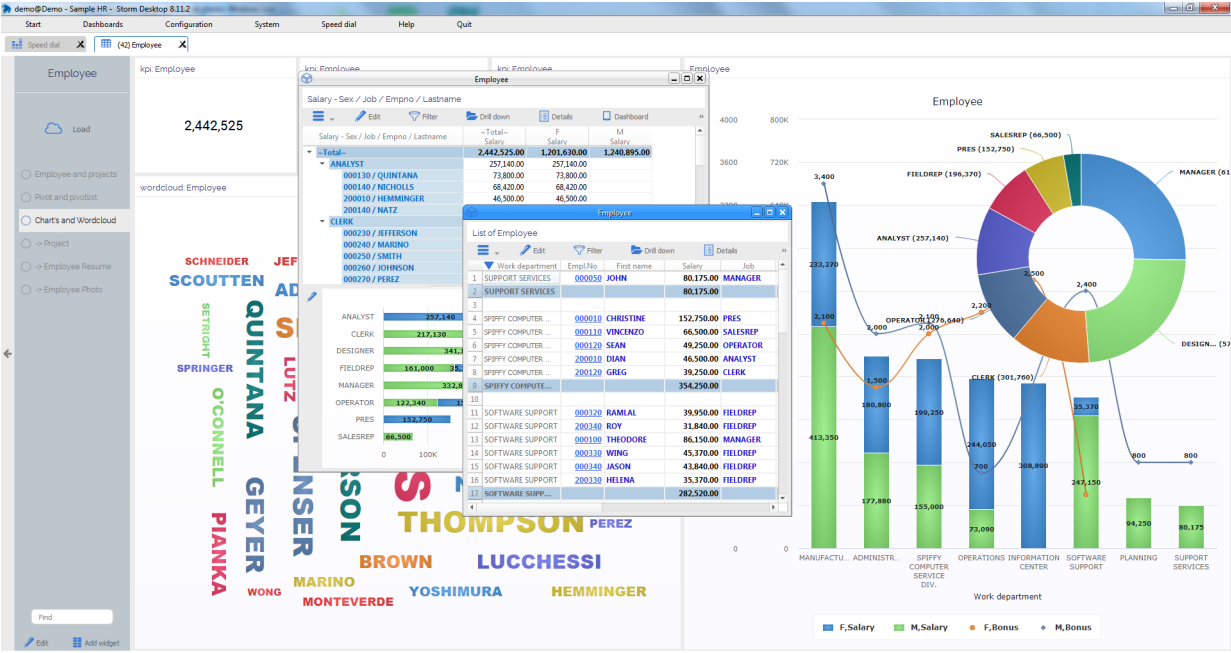




# Installation

v. 8.13.x



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# 1 Installation

## 1.1 Requirements

Storm runs on all common Windows platforms (Vista, Windows 7, 8 and 10 ), for 64 bit architecture. Depending on the architecture, different installation packages are provided.

### Minimum system requirements

- Windows® operating system Vista SP2 64bit
- Pentium II or AMD K6-2
- Graphic card supporting OpenGL 2.1 or higher (if QML is used)
- 500Mb of free disk space
- 1Gb RAM
- Visual C++ Redistributable for Visual Studio (.dll is included in the installation package)
- Database connection through ODBC or one of the supported native drivers

### Recommended system configuration

- Windows® 7 Professional 64bit or higher
- Intel® Core 2 Duo E6320 or AMD Athlon 64 X2 3800+ or higher
- Graphic card supporting OpenGL 2.1 or higher (if QML is used)
- 1Gb of free disk space
- 4Gb RAM
- Visual C++ Redistributable for Visual Studio (.dll is included in the installation package)
- Broadband database connection through ODBC or one of the supported native drivers

### When Storm is installed on a central Server

Program and xml configuration location must be on a drive that can be mapped and accessed (read or read/write modes) on the Storm user workstation. Every workstation needs to comply with the above mentioned requirements

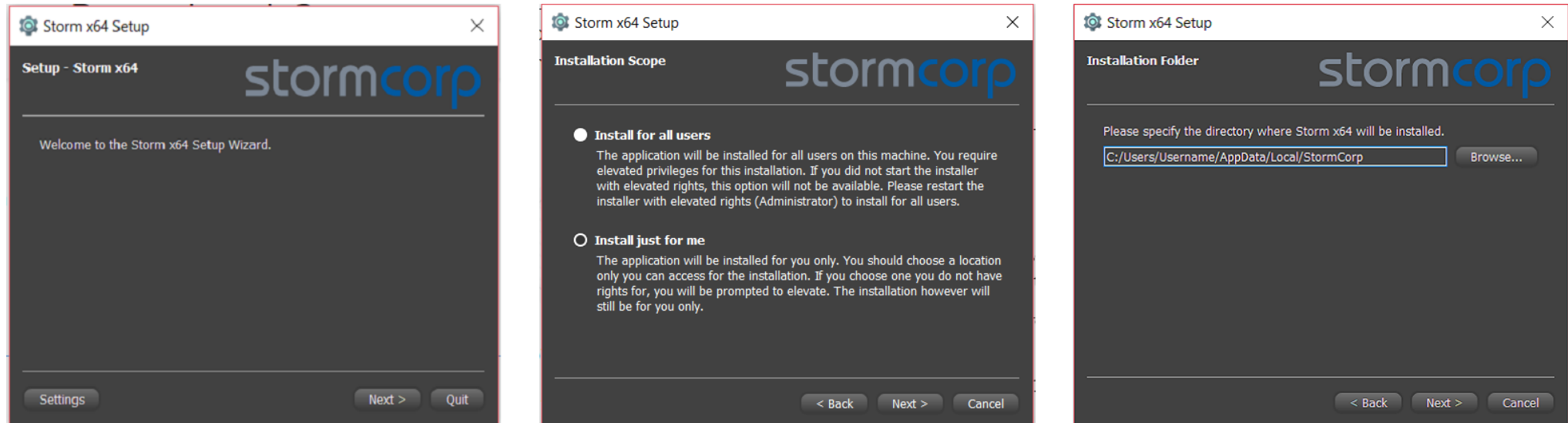
## 1.2 Windows installation

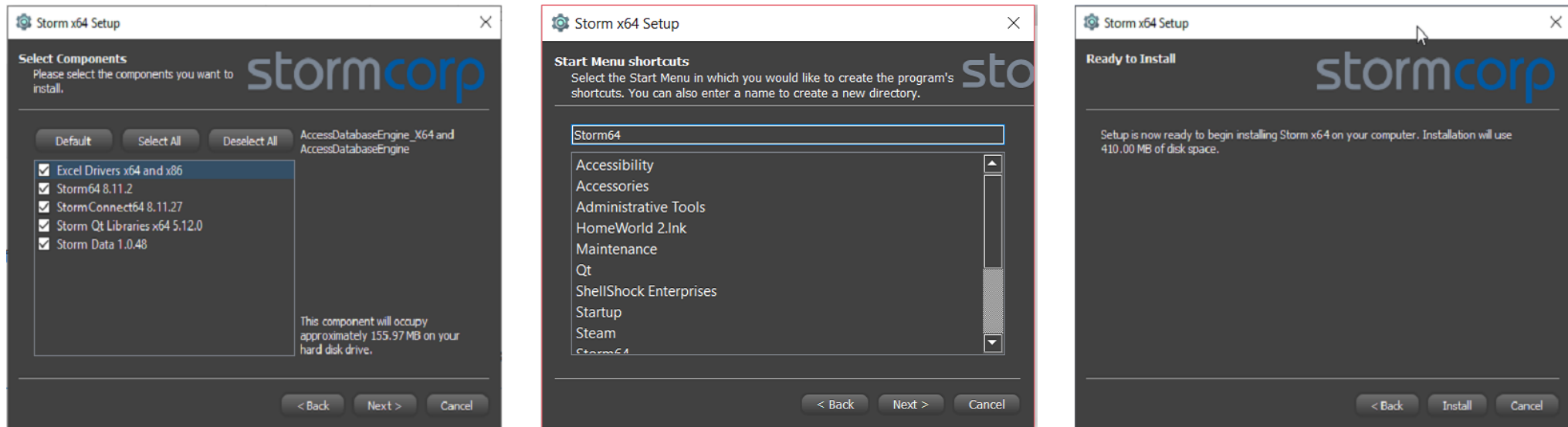
Download the installation package from the download page.

Specification	Version	Release date	Downloads
Storm Windows 64 bit Installer	8.11.2	07.11.2019	<a href="#">Download</a>

Figure 1.1

Run the executable and follow the instructions.





The installer will download (~ 250Mb) the required packages from the online storage, so make sure the firewall on the computer is not blocking the connection.

For help with ODBC driver installation and configuration see the part ??.

### 1.3 Starting StormDataServer

Storm Server can be launched as executable from cmd windows or bat file: (see ?? for a complete list of command line options)

```
1 root/storm_87/StormDServer64.exe -debug
2 pause
```

After selecting the server project file and logging in, the server UI will allow to monitor query executed during the global data. Once the loading is complete it will be possible to start the client.

### 1.4 StormDataServer installation

In order to install Storm Server as Windows service:

- edit the file InstallService.bat with the appropriate paths:

```
1 root/storm_87/StormServiceInstall64.exe -install -project root/storm_87/storm.projects/project_oly_cli_prod_server.xml
2 pause
```

- run the abovement file with administrator priviledge from the same folder where StormServiceInstall64.exe is locared
  - open services control, find service "Storm Data Service" and Start.
- OR

```
1 set service=StormDServer64
2 sc start %service%
3 pause
```

- run the abovementioned file with administrator privileges from the same folder where StormServiceInstall64.exe is located

After the service has finished loading the data it will be possible to start the client.

It is important that client and server projects have the same ID, or the system will not be able to assign user rights properly.

In order to stop Storm Server as Windows service:

- open services control, find service "Storm Data Service" and Stop.  
OR

```
1 set service=StormDServer64
2 sc stop %service%
3 pause
```

- run the abovementioned file with administrator privilege from the same folder where StormServiceInstall64.exe is located

After StormDataServer is stopped it can be removed as Windows service:

```
1 set service=StormDServer64
2 sc remove %service%
3 pause
```

- run the abovementioned file with administrator privilege from the same folder where StormServiceInstall64.exe is located

## 1.5 Starting StormTaskServer

Storm Task Server can be launched as executable from cmd windows or bat file: (see ?? for a complete list of command line options)

```
1 set PATH=%DB2DIR%;%PATH%
2 cd path/to/installation/directory
3 call stormtaskserver64.exe -project "path/to/project/file/filename.xml" -gui
```

After selecting the server project file and logging in, the server UI will allow to monitor query executed during the global data. Once the loading is complete the tasks will start and the report will be created or sent by email according to how they were defined in Storm Desktop

## 1.6 Contents of the installation directory

- components.xml

- InstallationLog.txt
- network.xml
- /Storm64 - *main program folder*
  - bearer
  - iconengines
  - imageformats
  - logs
  - NCReportDesigner.exe
  - platforms
  - position
  - printsupport
  - qmltooling
  - Qt
  - QtGraphicalEffects
  - QtQml
  - QtQuick
  - QtQuick.2
  - QtWebEngineProcess.exe
  - README.txt
  - resources
  - scenegraph
  - SETUP.bat
  - sqldrivers
  - storm.data
  - storm.log
  - storm.projects
  - Storm64.exe
  - StormBatchReport64.exe
  - StormConnect64.exe
  - StormDClient64.exe
  - StormDServer64.exe
  - StormImport64.exe

- StormTaskServer64.exe
- styles
- translations
- VC`redist.x64.exe
- \*.dll
- StormInstallTool64.dat
- StormInstallTool64.exe
- StormInstallTool64.ini
- vcredist.x64.exe
- /XML



## 2 ODBC driver installation

### 2.1 IBM DB2

The IBM Data Server Driver for ODBC and CLI (CLI Driver) are available for download at [IBM.com]. Depending on the operating system and the version of Storm, a 32 bit and 64 bit version needs to be installed.

The db2cli driver is not registered automatically in ODBC administrator. There is no installation program for the stand alone IBM Data Server Driver for ODBC and CLI. These must be installed manually:

1. copy the compressed folder under `C:\Program Files\IBM` (or any other location) and unpack it.
2. run the exe `db2cli.exe` from the command prompt with administrator privileges as:
3. 

```
cd C:\Program Files\IBM\clidriver\bin
db2cli install -setup
```
4. Once the above command has run, the IBM DB2 ODBC DRIVER is listed in the Drivers tab of the ODBC Data source Administrator.

See also [here](#) for a detailed procedure. When using the DB2 native driver it is necessary to register the `../clidriver/bin/` directory in the Windows Path variable. See [here](#) for detailed procedure. When using accentuated or other encoded characters, define a windows environment variable named `DB2CODEPAGE` and set its value to 1208.

### 2.2 Oracle

The Oracle Oracle ODBC Driver (Oracle ODBC Instant Client) needs to be installed. To install the Oracle ODBC driver

1. Download 1) the basic AND 2) the ODBC extension package for Oracle according to the OS from [website](#)
2. Extract the the two packages into same directory. For example,  
`C:\Oracle\instantclient_12_1`
3. Add the above directory to the PATH environment variable, for example  
`C:\Oracle\instantclient_12_1` (in Windows).
4. Run `odbc`install.exe` from command prompt with admin rights
5. The Oracle driver is now available in the ODBC setup
6. Set an environment variable called `NLS`LANG` to the value `ENGLISH`UNITED KINGDOM.UTF8`

## 3 ODBC data source configuration

### 3.1 IBM DB2

The connection to the DB/2 needs to be configured as a data source . Again the source needs to be configured as 32 bit or 64 bit version, depending on the operating system. Detailed procedure can be found [here](#)

Open the ODBC data source Administrator with admin rights. Click on *Add* and select the db2 driver. Fill the *Data source name* field and click on *Add* next to *Database alias*. Go to the *Advanced settings* and add the following options with the respective values: *Database*, *Hostname* and *Port*. Click on *Apply*, go back to the *Data source* tab. Fill the username and password and test the connection.

### 3.2 Oracle

After downloading and installing a version of ODBC driver for Oracle it is usually possible define an ODBC connection in the ODBC administrator. In case it is not possible to define the connection directly, the TNS'ADMIN environment variable needs to be set correctly. It sets the path to the tnsnames.ora file. In case the file has not been generated, define it as :

```
<datasource alias> =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP)(HOST = <hostname or IP>)(PORT = <port>))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = <database service name>)
    )
  )
```

and replace values for <hostname or IP>, <port> and <database service name> with actual values.

### 3.3 MS SQL Server

The connection can be configured directly in the ODBC Data source Administrator. No additional drivers required.

### 3.4 MS Excel

The connection can be configured directly in the ODBC Data source Administrator. No additional drivers required.