

•• QUICK INSTALLATION GUIDE

FOR TRADESIGNAL AND DATACONNECT



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1. INSTALLING DATACONNECT

1.1. PREPARATION

Depending on the datafeed you are going to use, please be sure, to meet all requirements.

1.1.1. THOMSON-REUTERS (TREP-RT AND RMDS)

Get the information about the architecture and service being used. The most common architecture is SSL/RSSL and the most common service is IDN_SELECTFEED or IDN_RDF.

You need the address for the Thomson Reuters server and the port **8211** needs to be opened between the DataConnect system and the Thomson Reuters infrastructure.

For a centralized installation with a Thomson Reuters datafeed, you will need a dedicated Reuters user, that is able to access all data, the connected clients are going to access.

1.1.2. THOMSON-REUTERS (EIKON)

If you are using EIKON 3.3, make sure that Excel is installed as well. We recommend EIKON 4.0.2 and above. Please keep in mind that EIKON 4.0.2 only works in Windows 7 64-Bit or higher.

For the best experience, please use Tradesignal DataConnect 5.10 or higher.

IMPORTANT: When you are running **EIKON 4.0.26424**, you need at least **DataConnect 5.10.13**

Windows UAC MUST NOT be deactivated, in order to have EIKON work with DataConnect properly.

1.1.3. TRAYPORT

Install the Globalvision API (**up to 8.10**) **BEFORE** installing Tradesignal DataConnect. The API is to establish the connection between DataConnect and the Trayport infrastructure.

You need the address for the Trayport server, along **with a dedicated Trayport user and a password** (**Tradesignal Chart License by Trayport**). The Trayport user needs to be able to access all the data, the connected clients are going to access, if you decide to use a central DataConnect with Trayport.

To enable user authentication, make sure that the **Globalvision API (up to 8.10)** is also installed on the client computer.

In order to use the Trayport **SmartMatch**, make sure to have at least API 8.9.3 installed.

An additional Trayport user-account (**Tradesignal Chart License by Trayport**) might also be needed for the Tradesignal client installation, depending on your licensing model.

The use of a **Trayport SQL Database** server, along with a username and a password **is mandatory**. This user will **ONLY READ** data from the Trayport SQL Database server.

To connect to the Trayport server, make sure that the port **11997** is open between DataConnect and the Trayport infrastructure, as well as between the Tradesignal client and the Trayport infrastructure.

1.1.4. BLOOMBERG

You need to have a Bloomberg terminal installed on the system and it needs to be logged in.

1.1.5. GOBALVIEW

To connect to GlobalView, you will need a username and a password.

GlobalView requires the port 443 to be opened.

1.1.6. MORNINGSTAR

To connect to Morningstar, you will need a username and a password.

Morningstar requires the port 443 to be opened

1.1.7. TELETRADER

To connect to TeleTrader, you will need a username and a password

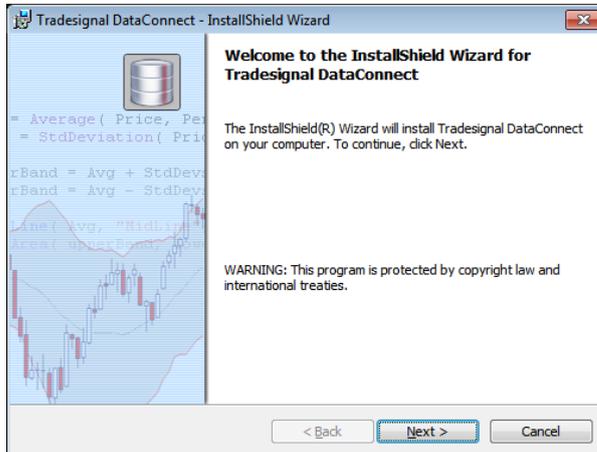
TeleTraders requires port 2088 to be opened.

TeleTrader does NOT require a DataConnect to be installed

1.2. INSTALLATION PROCESS

To install DataConnect, please run the installer that has been provided by Tradesignal.

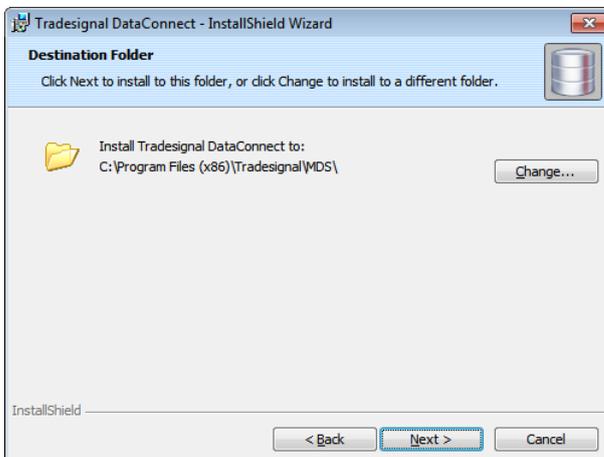
Step 1: Welcome



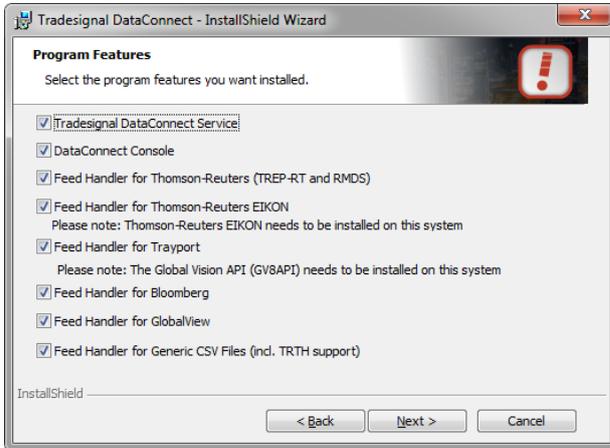
Step 2: Read the EULA



Step 3: Select the Destination Folder

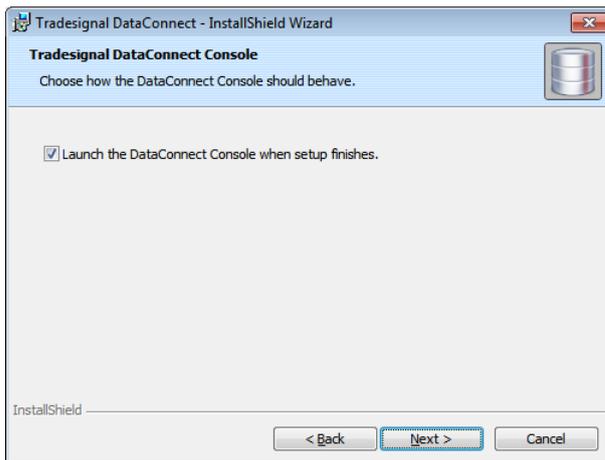


Step 4: Select the Feedhandler*



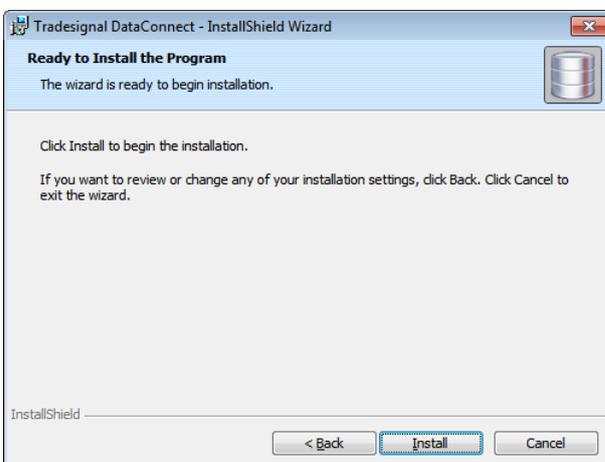
*DataConnect with EIKON, Bloomberg or GlobalView must be installed locally.

Step 5: Launch the DataConnect Console after Installation*

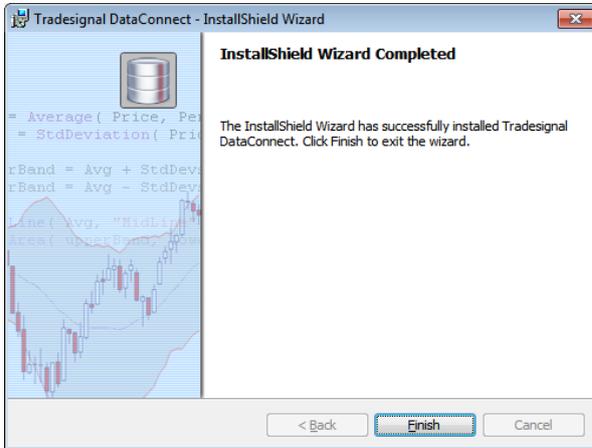


*Recommended

Step 6: Start the installation



Step 7: Finish the installation



[Continue with Thomson Reuters \(TREP-RT/RMDS\)](#)

[Continue with Thomson Reuters \(EIKON\)](#)

[Continue with Trayport](#)

[Continue with Bloomberg](#)

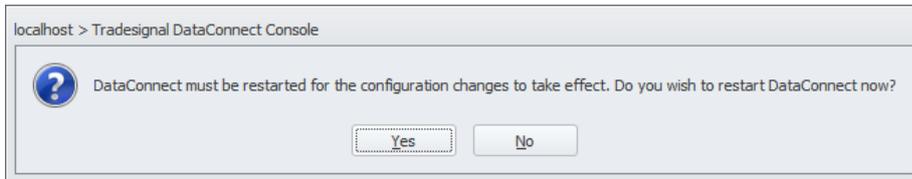
[Continue with Globalview](#)

[Continue with TeleTrader](#)

[Continue with CSV-Feed](#)

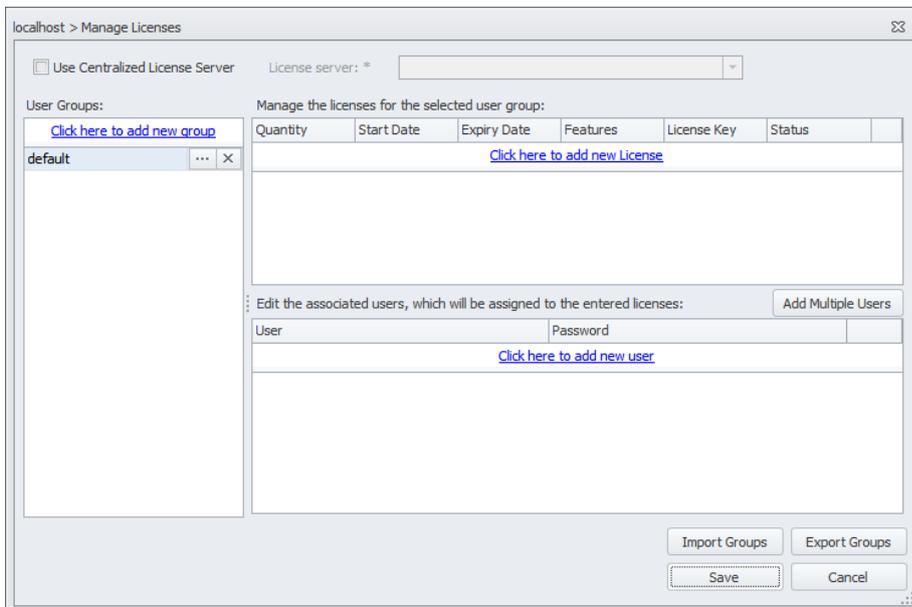
1.3. LICENSING TRADESIGNAL

When the installation process is done and Tradesignal DataConnect will launch for the first time, you will be asked to open the license manager. Select “Yes”.

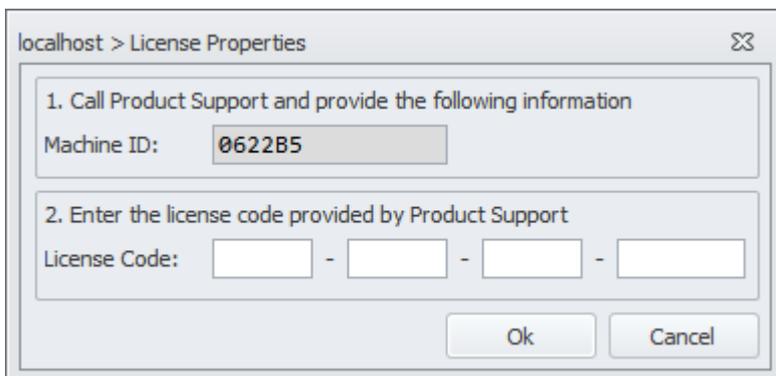


If you don't get ask for a license, you can open the DataConnect console and click on “Manage Licenses” as well.

In the license manager, please select “Click here to add new license”



In the license properties, you will see a “Machine ID”. Please call the Tradesignal Support and provide the “Machine ID”, so that a license can be generated based on that ID.



Tradesignal Support

DE Support: +49 (0) 421 2010 911
 UK Support: +44 (0) 20 3455 0457

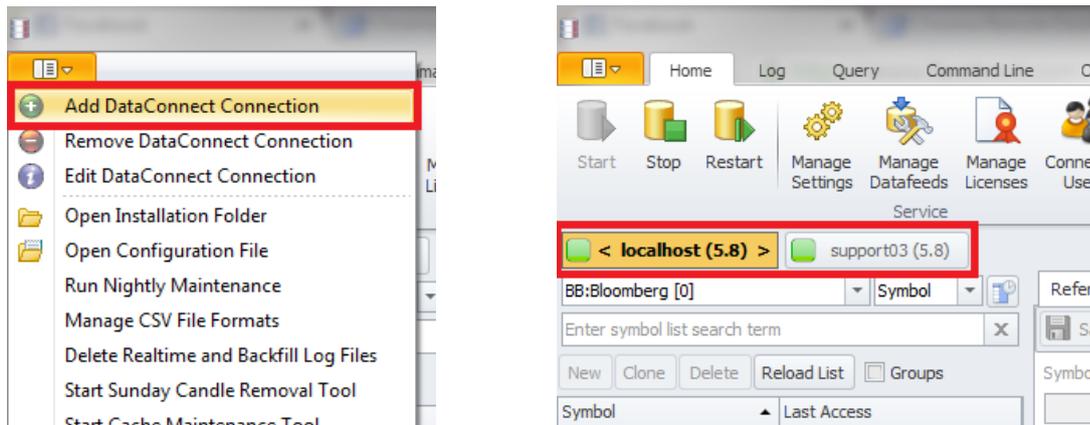
Available between 8 am and 7 pm (UTC+1) or via e-mail to support@tradesignal.com

Note: The shown “*Machine ID*” is only an example. Every “*Machine ID*” is unique and can’t be transferred to another computer. If you reinstalling Windows or if you are getting new hardware, please get in contact with the Tradesignal Support Team.

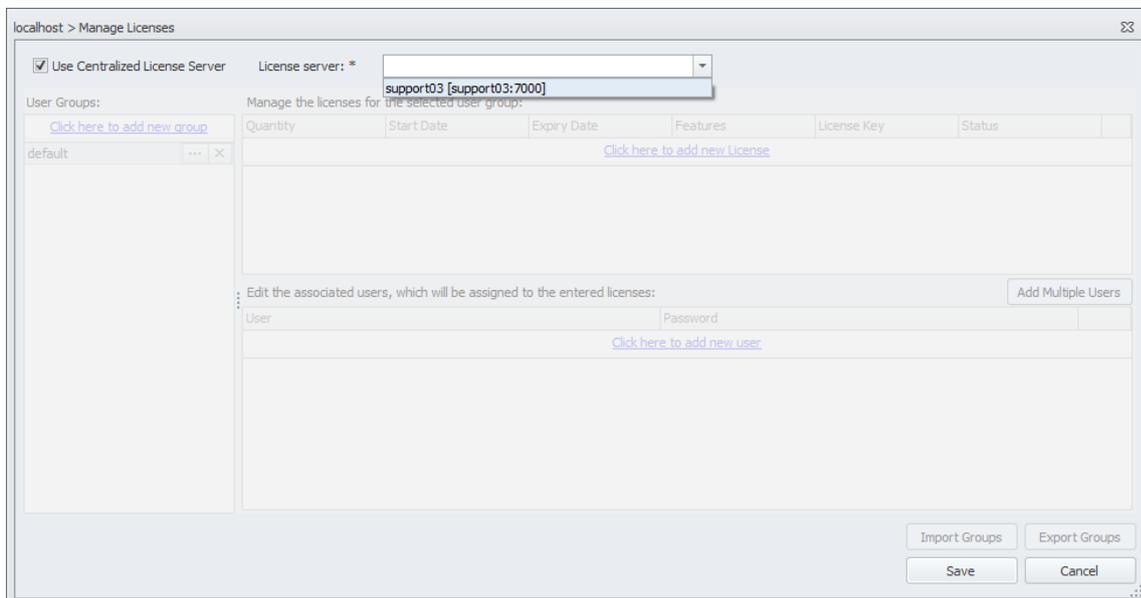
1.3.1. REMOTE LICENSING

When using a datafeed like EIKON, Globalview or Bloomberg, a license will be put into the local installed DataConnect (see previous paragraph). It is also possible to point a local installed DataConnect to a central DataConnect installation (e.g. running Trayport, Reuters).

After the installation routine of the DataConnect, skip the licensing part and click on the orange tab at the top left of the DataConnect Console. Select “Add DataConnect Connection” to **TEMPORARLY** add the central DataConnect installation, which will provide the licenses. When that is done, you will have two entries in the console.

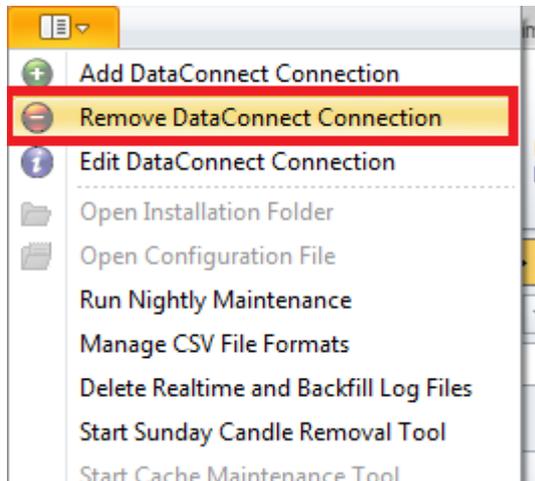


In the next step, please click on “Manage Licenses”. Check “Use Centralized License Server” and select the previous added DataConnect server from the dropdown menu. Click on “Save” and restart DataConnect.



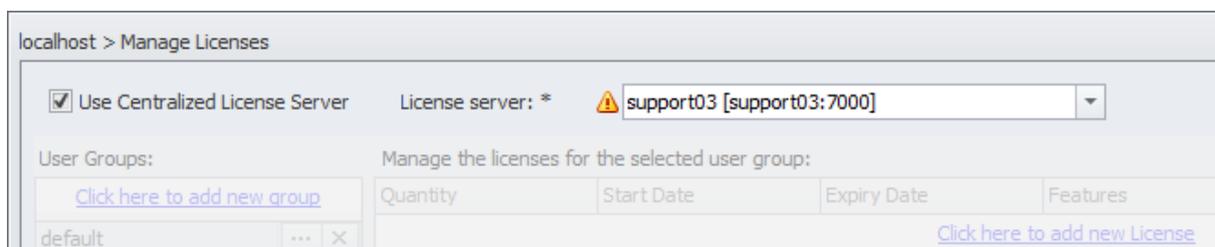
Note: You need to click on/highlight **< localhost (5.x) >** and then click on “Manage Licenses” to be able to add the license server. If you mix this up by pointing the central DataConnect to the local installed (e.g. with EIKON/Bloomberg), you will disable the central DataConnect.

When the license server has been added, you can delete the DataConnect Connection. Mark/Highlight the DataConnect of the license server entry in the console and click at the top left of the DataConnect Console. Select "Remove DataConnect Connection".



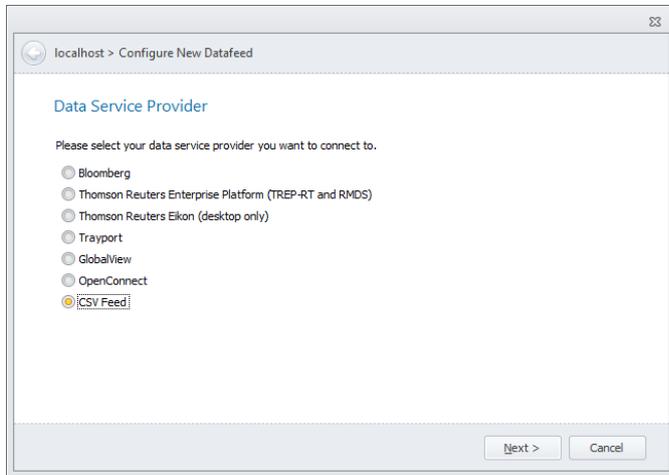
Note: If you do not remove the license server from the Console, a "normal" user might be able to restart (not stop) the central DataConnect server by accident.

When the license server is deleted from the Console, the "Manage Licenses" window will look like the example pictured below. You can ignore the exclamation mark since the remote license will continue to work.



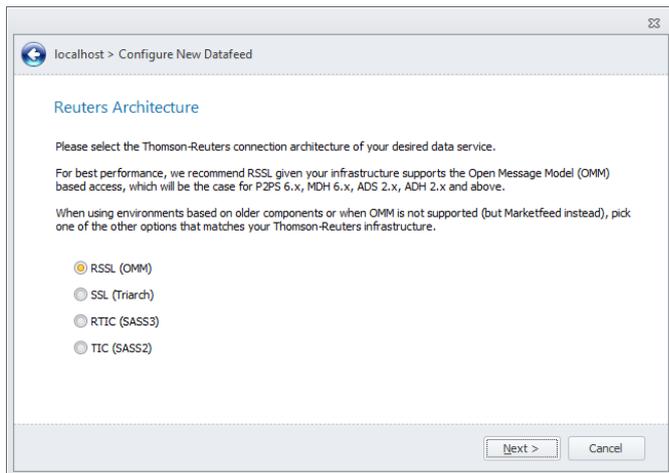
1.4. CONFIGURING THE DATAFEEDS

After the licensing, a wizard for setting up the datafeed will show up. This wizard can also be launched from the “Manage Datafeeds” menu by selecting “Click here to add new datafeed”.

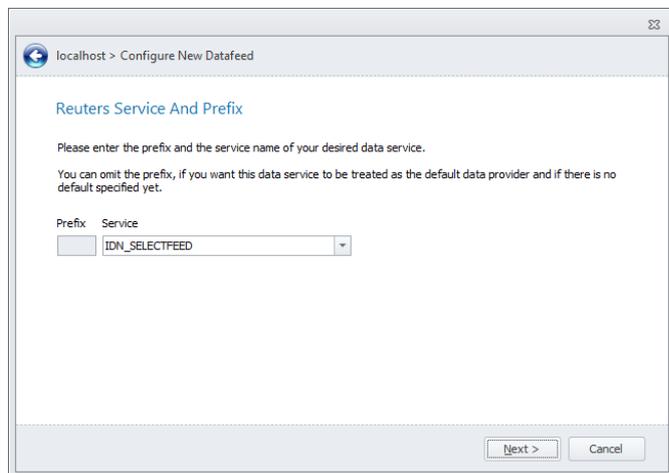


1.4.1. CONFIGURING REUTERS (TREP-RT AND RMDS)

Select the architecture. RSSL and SSL are the most common solutions.



Select the service and prefix (you can't change the prefix, if the datafeed is unique)



Enter the dedicated DACS user (remember, this user will need access to everything, that all connected users can access)

localhost > Configure New Datafeed

Reuters DACS User

Please enter the DACS user DataConnect will use for entitlement purposes.

DACS User

Next > Cancel

Depending on the selected architecture, in this step, you need to fill in the server address.

RSSL Architecture SSL Architecture

localhost > Configure New Datafeed

RSSL Connection Settings

Automatic Configuration (recommended)

Please enter the host where your RSSL based data service resides on. Multiple failover hosts have to be separated by blanks. When connecting to a non-standard RSSL port (other than 14002), enter host:port (e.g. myhost:123). An RSSL config file will be auto-generated based on the entered hosts.

Configuration via a user-provided RSSL configuration file (advanced infrastructure setups)

RSSL Configuration File

RSSL Session Identifier (used to identify this connection in the RSSL configuration file)

Next > Cancel

localhost > Configure New Datafeed

SSL connection settings

Please enter the host where your SSL based data service resides on. Multiple hosts have to be separated by blanks. The default SSL connection port is already entered, you only have to adjust this value, if your desired data service uses a different setting.

Host(s)

Port

Next > Cancel

Define the DACS Daemon / Open DACS Server(s)

localhost > Configure New Datafeed

DACS Permissioning for Connected Users

DataConnect will perform DACS entitlement checks on behalf of connected users. In accordance to exchange rules, DACS permissioning has to be enabled for all feeds that support DACS entitlement control.

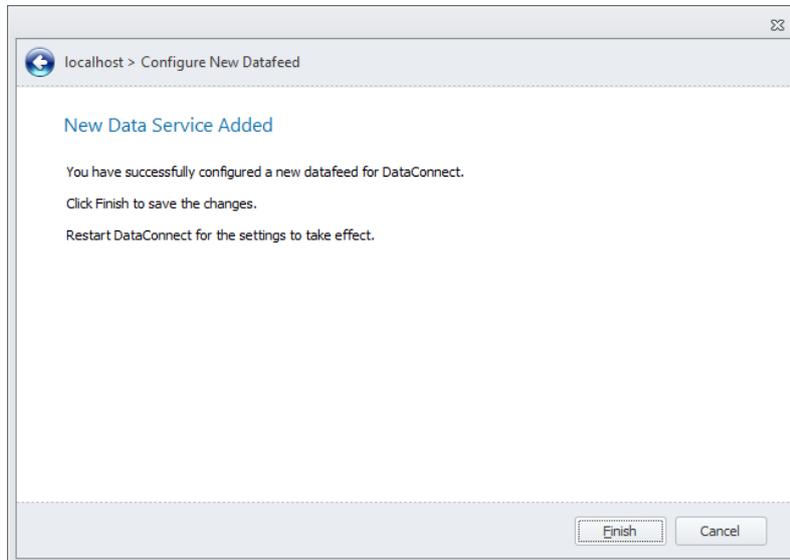
Please enter the host where your DACS daemon / OpenDACS service resides on. Multiple servers have to be separated by blanks. The default DACS connection port is already entered, you only have to adjust this value, if your desired data service uses a different setting.

DACS Daemon / Open DACS Server(s)

DACS Daemon Port

Next > Cancel

Finish the installation



When the installation is finished, you can add another datafeed or get back to the “*Manage Datafeeds*” page. You can review your settings there. If everything is correct, “*Apply*” and “*Close*”. The service will be restarted.

1.4.2. CONFIGURING THOMSON-REUTERS EIKON

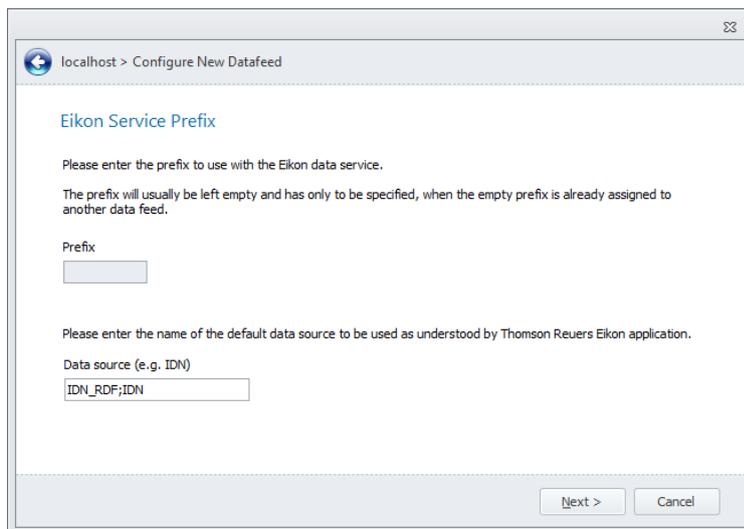
Setting up EIKON is very easy. You only need to know, what your EIKON version is.

Please use the following settings for the respective EIKON version and make sure, that you are running at least DataConnect 5.10.13.

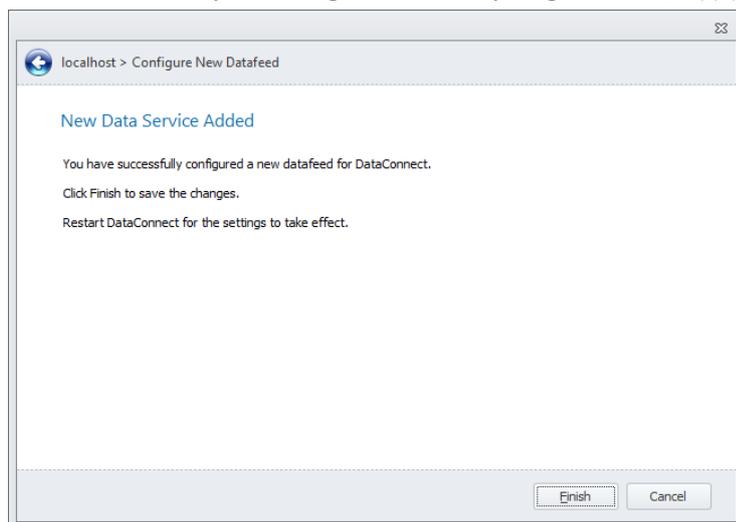
EIKON 3.3 = IDN_RDF

EIKON 4.0.2 (4.0.25339) = IDN

EIKON 4.0.2 (4.0.26424 or newer) = IDN_RDF;IDN (might also be IDN_SELECTFEED;IDN)



When the installation is finished, you can add another datafeed or get back to the “*Manage Datafeeds*” page. You can review your settings there. If everything is correct, “*Apply*” and “*Close*”. The service will be restarted.



1.4.3. CONFIGURING TRAYPORT

If you set up Trayport, keep the connection details on hand

The screenshot shows a dialog box titled 'localhost > Configure New Datafeed'. The main heading is 'Trayport Service Prefix'. Below it, the text reads: 'Please enter the prefix to use with the Trayport data service.' There is a text input field containing 'TPT'. Below the input field, there is a checkbox labeled 'Adjust feed handler service connection settings (resides on a different machine)'. At the bottom right, there are two buttons: 'Next >' and 'Cancel'.

Type in all the connection details

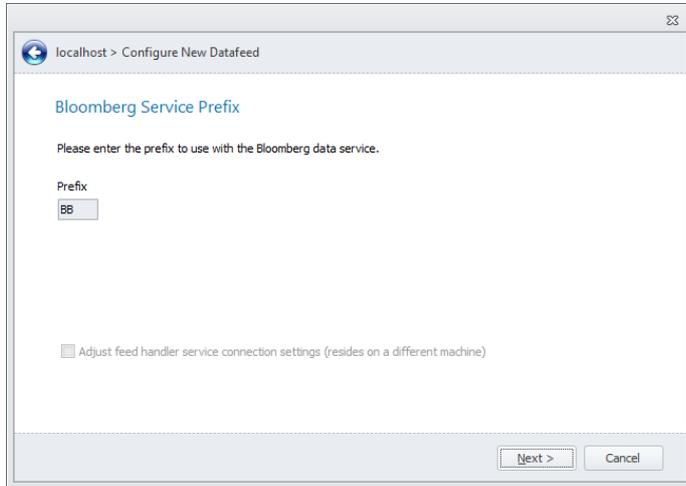
The screenshot shows a dialog box titled 'localhost > Configure New Datafeed'. The main heading is 'Trayport settings'. Below it, the text reads: 'Please enter the Trayport server settings.' There are several input fields: 'Trayport Server' (empty), 'Port' (dropdown menu showing '11997'), 'Trayport User Name' (empty), and 'Trayport Password' (empty). There is a checked checkbox labeled 'Obtain deal history directly from the Trayport SQL Database Server'. Below that, there is a text input field for 'Trayport Database SQL Server (normally the same as the Trayport Server)'. At the bottom, there are three input fields: 'Database Name' (dropdown menu showing 'GVLOCAL80'), 'Database User Name' (empty), and 'Database Password' (empty). At the bottom right, there are two buttons: 'Next >' and 'Cancel'.

Proceed to the next page and finish the installation

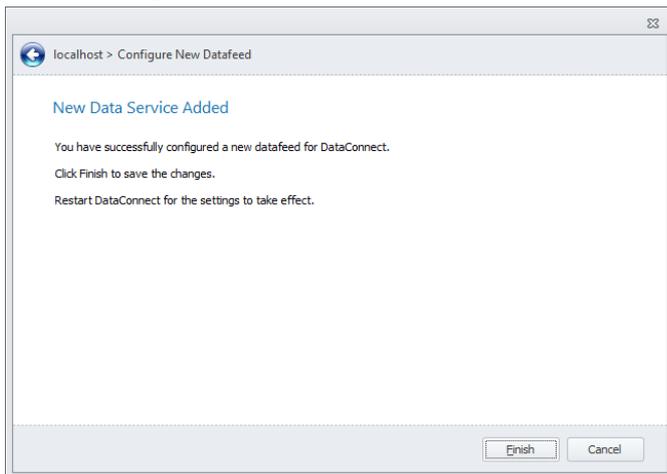
The screenshot shows a dialog box titled 'localhost > Configure New Datafeed'. The main heading is 'New Data Service Added'. Below it, the text reads: 'You have successfully configured a new datafeed for DataConnect. Click Finish to save the changes. Restart DataConnect for the settings to take effect.' At the bottom right, there are two buttons: 'Finish' and 'Cancel'.

1.4.4. CONFIGURING BLOOMBERG

After selecting Bloomberg, you can immediately proceed to the next step.

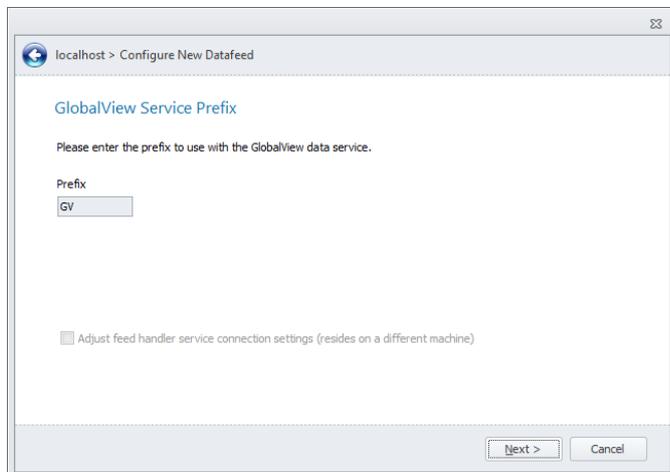


The configuration is complete. For an immediate connection, make sure the Bloomberg terminal is online.

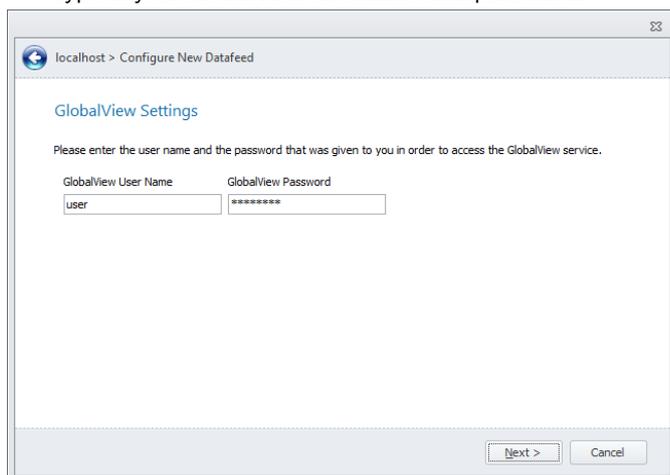


1.4.5. CONFIGURING GLOBALVIEW

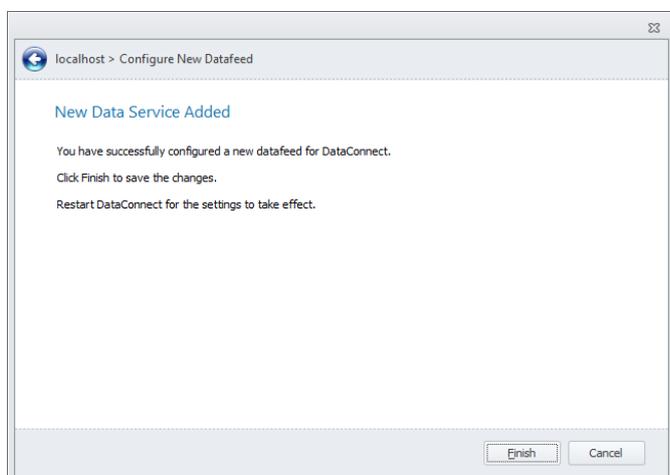
After selecting GlobalView, proceed to the next page.



Type in your GlobalView username and password.



Finish the installation.



1.4.6. CONFIGURING MORNINGSTAR

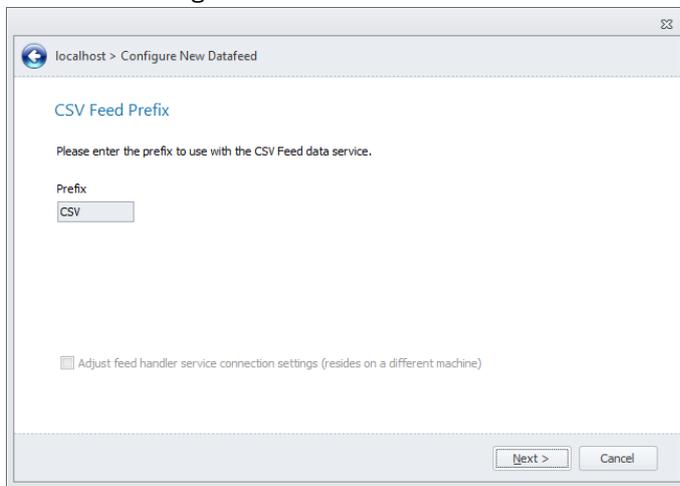
After selecting Morningstar, proceed to the next page.

Type in your Morningstar username and password

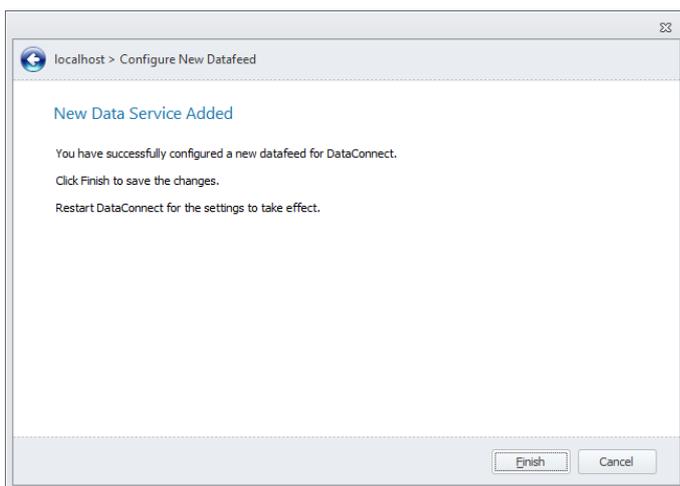
Finish the installation

1.4.7. CONFIGURING CSV-DATAFEED

After selecting the CSV feed handler click on next



Finish the setup of the data feed



2. INSTALLING TRADESIGNAL

2.1. INSTALLATION PROCESS

Step 1: Run the Tradesignal installer and proceed to the first step



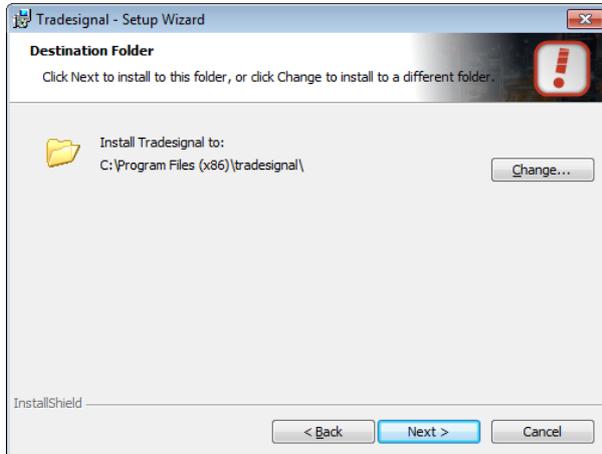
Step 2: Read the EULA and click on "Next"



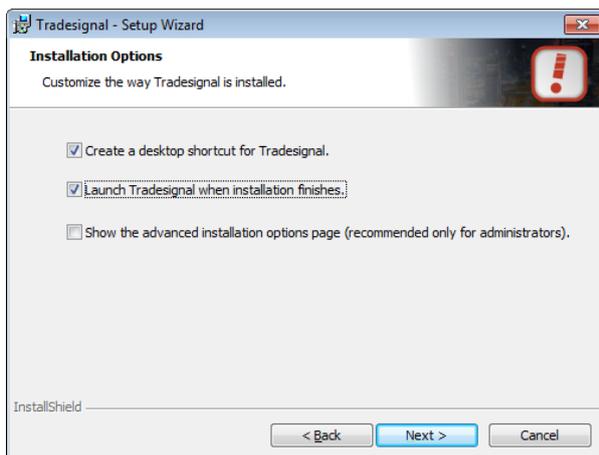
Step 3: Read the Tradesignal disclaimer and click on "Next".



Step 4: Select another destination folder or keep the default installation path

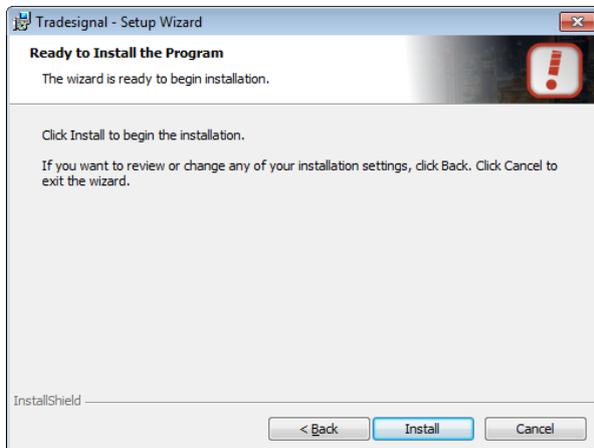


Step 5: Select the installation options*



*The "advanced installation options" are for administrators only. If you are not sure, please call the Tradesignal Support

Step 6: Start the installation

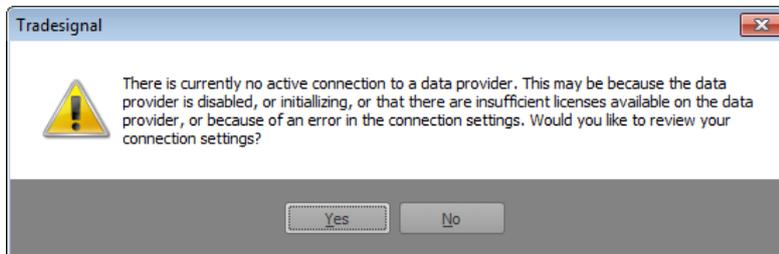


Step 7: Finish the installation



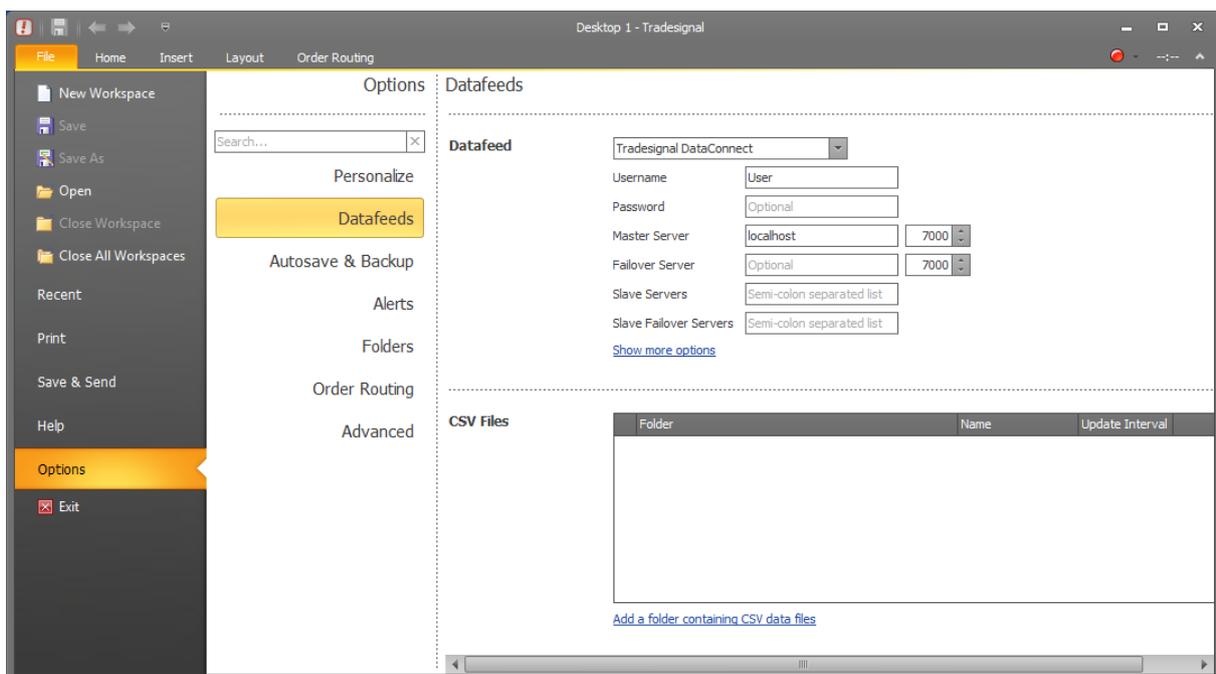
2.2. CONFIGURING TRADESIGNAL

Based on the datafeed, you might get an error message regarding a missing license. Tradesignal will look for licenses on a local installed DataConnect first (EIKON, Bloomberg or GlobalView) and if there is no local installed DataConnect, Tradesignal won't get a license and drops an error message.



If you have a central DataConnect installation (e.g. Trayport, TREP-RT), you need to specify the server address.

Specify the correct server address, if you are using a central DataConnect installation. The default value is "localhost" and works only immediately with EIKON, Bloomberg or GlobalView.



Note: If you are using a central DataConnect installation with a Reuters datafeed (TREP-RT/RMDS), be aware, that **the username in the connection settings is the actual DACS user** being used by the trader.

2.3. ADDITIONAL SETTINGS FOR TRAYPORT AND BLOOMBERG (B-PIPE/SERVER API)

Additional client connection options are available, when clicking on “Show more options”. You can define user settings for Trayport and Bloomberg (B-Pipe/Server API).

Trayport:

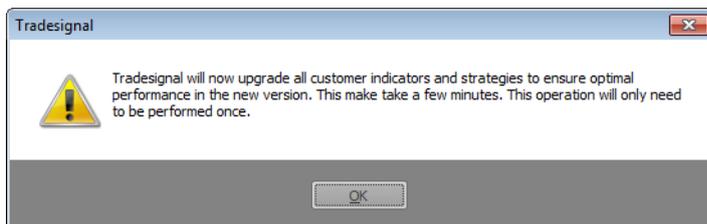
Note: These options are mandatory for accessing the Trayport data feed.

Bloomberg:

Note: These options are mandatory for accessing the Bloomberg data feed using B-Pipe or Server API.

Please leave the “**Thomson Reuters**” and “**General**” settings untouched, unless being told so by the support.

When the connection settings are updated and the connection is established (green dot in the top right corner), Tradesignal will upgrade all built-in indicators and strategies. The installation is finished.



2.4. ADDITIONAL SETTINGS FOR TELETRADER

When using TeleTrader, you don't have to install DataConnect at all. The MachineID will be presented, after selecting TeleTrader in the Datafeed settings.

Please make sure, you do have your TeleTrader login credentials in the Username/Password section.

Datafeeds

Datafeed TeleTrader

Machine ID 03B9A3

License Code

Username

Password

[Show more options](#)

3. UPDATING TRADESIGNAL AND DATACONNECT

3.1. UPDATING TRADESIGNAL

Updating the Tradesignal client is as simple as possible. You can just install it right away, it will automatically un-install the old version. All data will be kept.

If necessary, downgrading might be an option but it can always lead to unexpected behavior. Please ask the support in advance.

3.2. UPDATING DATACONNECT

Updating the DataConnect installation is always a delicate thing to do, but it is not that difficult.

First, you need to un-install the old version. ALL USER DATA WILL BE KEPT, this includes special settings, connection settings, license and of course the database.

Once you have un-installed the old version, you can start installing the latest DataConnect. Please make sure, that all components necessary are installed (DataConnect Service and Console) and especially the respective feed handlers for your datafeed (e.g. EIKON, Bloomberg or Trayport).

You won't get the wizard for setting up the data feed, since this information has already been provided with the initial installation.

3.3. DATACONNECT 32-BIT -> 64-BIT MIGRATION

The latest version of DataConnect is a 64-Bit version. This means a lot of changes and some things need to be prepared before upgrading.

Since the process is a little bit more difficult than usual, Tradesignal provides as much help as you need. We can even accompany the process via telephone or do it for you (remote, on site). **The 32-Bit -> 64-Bit migration requires a new license to be generated for you.** Make sure to contact us in time.

To start the process, you need to un-install the old version of DataConnect first. Depending on your data feed, you can copy specific files (configuration, database or its backup) in order to keep your settings. Nothing gets deleted when uninstalling Tradesignal. You can easily roll back. Copying the database or the backup though only makes sense when using a TREP (Thomson Reuters Enterprise Platform) environment. For Bloomberg, EIKON, Trayport, Globalview and Morningstar, you might want to ditch the old database and just go for the settings. This only works, because these providers offer historic data via the API.

The default path for these files is **C:\Program Files (x86)\tradesignal\MDS.**

The new default installation path is **C:\Program Files\Tradesignal\MDS.**

You can copy the files in advance, thus creating the destination folder by hand, rather than having the installation process creating the new folder structure. The following files should be copied (do NOT move the files, to maintain a complete fallback scenario) in the new folder:

TMDS.INI (main configuration file)

TMDSTRTP.INI (settings for Trayport datafeed, if being used)

TMDS.DAT.BAK (if the Database backup location hasn't been altered).

Since EIKON, Morningstar, Globalview and Bloomberg have a super simple setup, you don't need to care about copying these settings.

Step by Step:

- Uninstall the old version
- Optional: Create a new folder structure
- Copy the ini-files and the database backup (make sure backup is not older than a day)
- Install the new version
- Get a new license from us (the old one won't work, new license is free of charge)
- Stop the DataConnect
- Copy the database backup and restore it
- Start up DataConnect

The first startup of DataConnect with the old database will take some time. The processing speed here highly depends on disc writing speed and size of the database. If you have the chance (and the historical data) you can skip this process and start with a new database.

4. SYSTEM REQUIREMENTS

4.1. REQUIREMENTS FOR DATACONNECT

Supported operating systems (32/64 Bit):

- Windows XP SP3
- Windows 2003 Server (incl. R2)
- Windows 2008 Server (incl. R2)
- Windows 7 / Windows 8

Recommended system requirements:

- Main processor: Xeon/Core i3,i5,i7
- Main memory: 4 GB (or more)
- Free disk space: 100 GB – 1 TB
- Monitor resolution: 1280x1024 or higher
- Striped and mirrored disk array
- Uninterruptable Power Supply (UPS)

Minimum system requirements:

- Main processor: 1,4 GHz P4
- Main memory: 2 GB
- Free disk space: 30 GB – 100 TB

Note: If you are going to install DataConnect on a Virtual Machine, please make sure, that the requirements are still being met. We recommend fast HDD writings, especially when a lot of fast ticking (500 and more) instruments are being used.

4.2. REQUIREMENTS FOR TRADESIGNAL

System requirements:

- Microsoft .NET Framework 4.0 (already included in the setup of Tradesignal)

Supported operating systems (32/64 Bit):

- Windows XP SP3
- Windows 2003 Server (incl. R2)
- Windows 2008 Server (incl. R2)
- Windows 7 / Windows 8 / Windows 10

Recommended system requirements:

- Main processor: Core i3 (or faster)
- Main memory: 4 GB (or more)
- Graphics memory: 256 MB
- Monitor resolution: 1280x1024 or higher

Minimum system requirements:

- Main processor: Pentium 4
- Main memory: 2 GB
- Monitor resolution: 1024x768
- Graphics memory: 64 MB

Tradesignal Support

DE Support: +49 (0) 421 2010 911

UK Support: +44 (0) 20 3455 0457

Available between 8 am and 7 pm
(UTC+1) or via e-mail to **sup-
port@tradesignal.com**

5. MAINTAINING TRADESIGNAL DATACONNECT

5.1. MANUAL CACHE MAINTENANCE

Tradesignal DataConnect does provide a separate tool that can be launched from the Console. This “Cache Maintenance Tool” will stop the DataConnect system, create an additional backup and then maintain the database. When done, the tool can send out notification and restart the DataConnect.

6. FAQ

6.1. HISTORICAL DATA NOT SHOWING UP WITH EIKON 3.3 OR 4.0.2 AKA ONLY ONE BAR VISIBLE

With EIKON 3.3, the default settings can't be used. Please use this setting:

Eikon Settings Log File

Historic data download: *

Automatic Detection

ThomsonReuters Excel Add-In

Eikon Desktop 4 TimeSeries API

Pass Through/Persistent Mode *

Pass-through price data directly to the client without storage

Store historic prices persistently in DataConnects data cache

Thomson Reuters Eikon Feeds*

Default Feed: IDN_RDF

With EIKON 4.x, you can work with the default settings

Eikon Settings Log File

Historic data download: *

Automatic Detection

ThomsonReuters Excel Add-In

Eikon Desktop 4 TimeSeries API

Pass Through/Persistent Mode *

Pass-through price data directly to the client without storage

Store historic prices persistently in DataConnects data cache

Thomson Reuters Eikon Feeds*

Default Feed: IDN

6.2. HISTORICAL DATA NOT SHOWING UP WITH TRAYPORT OR IT IS SHORTENED

There are two reasons why this can happen. Most common is a missing SQL server. Please check the connection options of your Trayport data feed. ,

Get **deal history** directly from Trayport SQL Database Server

Trayport SQL Database Server (normally the same as the Trayport Server)

Database Name

Database User Name Database Password

Use enhanced state for data filtering

Hybrid Backfilling

API download span for recent data [hrs]

Another reason could be a hosted solution by Trayport. Historical data might be provided via the realtime API but only provides up to two weeks of data. In that case, you might need access to a database for historical data, if necessary.