TRADING TECHNOLOGIES

X_TRADER®
Version 7.X
Command-Line
Install Guide

VERSION 7.X
DOCUMENT VERSION 7.17.0.DV1 3/5/14

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Installing X_TRADER

This document lists the minimum steps necessary to begin using X_TRADER. In addition, your particular trading environment (e.g., back office requirements or quoting) may require you to perform additional installation steps.

Note: For additional documentation on X_TRADER, refer to the Related Documentation section within this document.

Installation Checklist

	Task	Comments
☐	Review Special Considerations	
☐	Pre-Installation or Upgrade • Verify the workstation software and hardware match X_TRADER requirements • Obtain trader login information • Verify license file • Read Release Notes • Close all applications	If the X_TRADER workstation is on a network segment separate from the TT Gateway, refer to the *TT Trading Systems - Network Administration Manual* for detailed information on setting up WAN Routing
☐	Install X_TRADER	Install X_TRADER using the Installation Wizard or Command-Line.
☐	Reboot Workstation	
☐	Review Additional Setup Tasks	Verify Guardian Settings

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Pre-Installation Tasks

Follow these pre-installation points to ensure your workstation is ready to install or upgrade X_TRADER.

- Determine if you are installing or upgrading.

    Note: If installing X_TRADER on multiple workstations, verify whether you need a new client license. If loading a license file, verify that all components are listed accurately.

- Obtain the administrator login information for the workstation you are installing X_TRADER on.
- Ensure the workstation hardware and software match X_TRADER requirements.
- Identify WAN Routing requirements.

    Note: Refer to the TT Trading Systems - Network Administration Manual for detailed information on setting up WAN Routing.

- Obtain an X_TRADER universal login username and password from your system administrator.
- Read the release notes included with the setup as this may contain additional instructions that supersede the following procedures.
- Close any open or running applications on the workstation.
- For Window 7 and Vista you will need to disable User Account Control (UAC) and Base Filtering Engine (BFE).

Hardware and Software Requirements

Refer to *TT Trading Systems - Hardware and Software Requirements* document for the latest X_TRADER requirements.

To use the Guardian account lockout alert feature, you must install an MAPI enabled email client onto the X_TRADER workstation.

Special Considerations

When using this document take the following points into consideration:

- This document does not include network configuration information. If you need to configure the trading network, refer to the *TT Trading Systems - Network Administration Manual*.

- Installing X_TRADER also automatically installs the following:

  - Guardian

    Note: For new installations and upgrades the Guardian mode is set to **Production**.

  - X_TRADER® API

    Note: You must have an X_TRADER® Pro License to use X_TRADER API

  - TT Messaging

  - X_STUDY

  - The install script creates a series of installation log files in the **<installroot>\tt\logfiles** directory. Installation log files begin with **ins_**.

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Command-Line Installation

Use the command-line interface to expedite the installation process by suppressing some or all of the dialog boxes that appear during a GUI installation. This is useful when installing multiple instances of X_TRADER, or when you want to perform a silent or remote installation.

The command-line installer uses the following syntax:

```
[packagename].exe –a [arg1] [arg2] …
```

- **[packagename]** is the name of the X_TRADER package to install (e.g. **X_TRADER_r7.9.1p130**).
- **-a** identifies the start of installation parameters you want to pass directly to the installer.
- **[argn]** is one or more supported command-line arguments.

Supported Command-Line Arguments

The following table lists the command-line arguments you can use.

Argument Name	Description
--accept_eula	Automatically accepts and bypasses the End-User License Agreement (EULA) dialog. When used in an install configuration file, set the value to yes (accept_eula=yes).
	Note: By providing this explicit parameter in a package command-line installation, the person/group preparing the installation is accepting the license agreement for any and all users which will receive the software through this means.
--installroot = [path]	Sets the directory path for all install files and folders and suppresses the **Setup Type** dialog. The **tt** folder is not automatically appended to the path.
	Note: Do not use quote encapsulated paths.
--installcfg = [file]	Sets the filename and location for the installation configuration file containing all applicable command-line interface commands. Enter one command per line, omitting the leading hyphens (--). Additionally, all commands must have a value.
	Note: See *Creating a Installation Configuration File* for more information.
	Note: Do not use quote encapsulated paths.
--installconfig = [path]	Directory in which to create and store the X_TRADER and child application configuration files. The default location is **<installroot>\config**. When using this argument you must also specify the *installroot*.
	Note: Do not use quote encapsulated paths.

Argument Name	Description
--installdata = [path]	Directory in which to store X_TRADER data files. The default location is **\<installroot\>\data files**. When using this argument you must also specify the *installroot*. **Note**: Do not use quote encapsulated paths
--installuserdata = [path]	Directory in which to store user data files. The default location is **\<installroot\>\data files**. When using this argument you must also specify the *installroot*. **Note**: Do not use quote encapsulated paths.
--installlog = [path]	Directory in which to store X_TRADER files. The default location is **\<installroot\>\logfiles**. When using this argument you must also specify the *installroot*. **Note**: Do not use quote encapsulated paths
--installpathlist= [pathlist]	Suppresses the **Setup Type** dialog and sets the location for the configuration, log, user and system data files. The pathlist must be a comma-separated list of installation paths. You must supply the paths in the following order: ● installroot ● installconfig ● installlog ● installuserdata ● installdata If you omit a path, you must account for it with a comma at thatposition. For omitted paths, the installer uses the corresponding default location. **Note:** You cannot use this argument when using the installcfg method. **Note**: Do not use quote encapsulated paths.
--reboot = [action]	Reboot action to use when the installation completes. Choices include: ● **norestart**, which does not reboot following the installation. The **Reboot Now** dialog does not display. ● **force**, which automatically reboots the system following the installation, without displaying the **Reboot Now** dialog. ● **promptrestart**, which displays a prompt following the installation that asks whether to restart the workstation.
--skipdesktopicon=yes	Installs X_TRADER without X_TRADER desktop icon. **Note:** The Guardian icons are still installed.

Argument Name	Description
--startupworkspace = [name]	Workspace name to use as the default X_TRADER workspace. The value must be a valid workspace name.
--updatehost = [hostname]	For Update Service Enabled Setups only. Hostname or IP address of the Update Service host. **Note:** This argument is only valid for TT_TRADER®.
--workspaces = [path,[ovr]]	Directory containing existing workspace files that you want to include with the installation. If provided, the installer copies the contents of the specified directory to the **<installuserdata>\ttconfig** folder. The optional ovr string instructs the installer to overwrite existing values. You typically use this parameter when upgrading to a newer X_TRADER version. **Note**: Do not use quote encapsulated paths.
--instlang = [Language]	Overrides installation language handling and forces the language specified. Available languages are "English" for English and "Japanese" for Japanese.
--confirmupgrade	Bypass the upgrade confirmation messages.
--nofinaldialogs=yes	Suppress the final success or fail messages.

Specifying Arguments on the Command-Line

If you only need to make minor changes to the default installation you can specify the custom arguments on the command-line and accept the default values for the others.

Note: The command-line limits the number of characters to 211. If you need to use more than 211 characters you must create an installation configuration file and pass the install arguments within the file.

The following examples illustrate some different ways you can automate an X_TRADER installation using the command-line:

- To install X_TRADER in the default location (**c:\tt**), store configuration files in the cfg directory, and force a reboot after installation, you could use the following command:

```
X_TRADER_r7.9.1p130.exe –a --installconfig=c:\tt\cfg --reboot=force
```

- To install X_TRADER in **c:\program files\tt**, user data in the **userdata** directory, and application data in the **sysdata** directory, with no reboot, you could use the following command:

```
X_TRADER_r7.9.1p130.exe –a --installpath=c:\program files\tt,,,c:\tt\userdata,
c:\tt\sysdata --reboot=norestart
```

Creating a Installation Configuration File

To automate the installation process you can create an installation configuration file that contains a list of arguments you want to use. When creating an installation configuration file, you must list each argument on a separate line.

To install X_TRADER using a configuration file:

1. Create an ASCII (**.txt**) file with the appropriate arguments and values.

   Example: Installation Configuration File
   ```
   installroot=c:\program files\tt
   accept_eula=yes
   reboot=force
   ```

2. Download the X_TRADER installation package to the workstation.

3. Copy the installation configuration file, created in Step 1, to the workstation.

4. Open the command-line prompt and change to the directory containing the installation package. For example:

   ```
   cd\install
   ```

5. Enter the following command:

```
X_TRADER_R7*.exe –a --installcfg=<pathto>\<configfile>
```

Where ***** is current release, build, and package number of X_TRADER and <pathto>\<configfile> is the location of the installation configuration file.

Example: X_TRADER_r7.9.1p130.exe

6. Press **Enter.**
X_TRADER installs with the arguments included in the installation configuration file

Note: If you require additional deployment information, please contact your TAM.

Post-Installation Tasks

Perform the following tasks after installing X_TRADER.

Note: For further documentation on each of these items, refer to the Related Documentation section.

1. Verify TT Gateways are listed within the Guardian exchange tree.

   - Double-click the Guardian icon in the lower-right corner of the system tray.
   - Click the **+** to the left of Exchanges to list all TT Gateways available.
   - Verify that all required TT Gateways are listed.

     Note: If TT Gateways do not display you will need to verify that the Mode and Daemon Setup are correct.

2. Verify Guardian Mode.

   - Double-click the Guardian icon in the lower-right corner of the system tray.
   - From the Mode menu, click the mode in which you want to run X_TRADER (i.e., Production or Simulation).

3. Verify Daemon Settings.

   - Double-click the Guardian icon in the lower-right corner of the system tray.
   - Select **Config | Daemon Setup**.
   - Verify the Daemon Setup settings match the settings given to you by your system administrator.

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Related Documentation

Refer to list below for documentation on particular subjects relevant to setting up your trading system:

- **Requirements:** *TT Trading Systems - Hardware and Software Requirements*
- **Installation Notes:** *Release Notes*
- **License Files:** *TT Gateways Architecture System Administration Manual*
- **Login information:** *TT Gateways Architecture System Administration Manual and the System Administration Manuals specific to the type of TT Gateways you use.*
- **Network setup:** *TT Trading Systems - Network Administration Manual*
- **Product Tables:** *TT Gateways Architecture System Administration Manual*
- **Risk Parameters**: *Guardian Help*
- **Software Requirements:** *TT Trading Systems - Hardware and Software Requirements*
- **Switching Modes:** *TT Gateways Architecture System Administration Manual*
- **Tuning Recommendations:** *TT Trading Systems - Systems Tuning*
- **WAN Routing:** *TT Trading Systems - Network Administration Manual*
- **Sales Setup:** *X_TRADER® Version 7.9.X Setup Guide*