



DSI FinePointe™ Software v3.0.x

Installation Guide

Table of Contents

Overview	3
Planning Your Installation	3
FinePointe Installation	4
FinePointe Server Configuration	12
FinePointe Client Configuration	16
UPGRADE ALL STUDIES – For upgrades to systems with existing studies	17
Appendix 1 – Installing .NET 3.5 on Windows 10	19
Appendix 2 – Migrating data to SQL Server 2014	20
Appendix 3 – Manual Driver Installation	27
FinePointe hardware drivers under Windows 7	27
FinePointe hardware drivers under Windows 10	29
Appendix 4 – Manual Microsoft SQL Server 2014 Configuration	32
Appendix 5 – Firewall Configuration	34
Contact Information	35
DSI Technical Support	

Overview

This guide covers the installation and configuration of the FinePointe software application. FinePointe v3.0.x is compatible with Windows 10 (64 bit).

In order to successfully install FinePointe, the following actions must be performed:

- 1. Install FinePointe Software
- 2. Configure Microsoft SQL Server
- 3. Configure FinePointe Server
- 4. Connect the FinePointe license dongle (Sentinel HASP HL dongle) to the Controller server PC
- 5. Install FinePointe license file
- 6. **Note:** For upgrades to systems with existing datasets Upgrade All Studies

Note: If upgrading from FinePointe version 2.3 or earlier version please first: Uninstall the previous version of the application prior to proceeding with the new install.

Planning Your Installation

Important Note: Upgrading will affect custom modifications made to Profile XML files saved within the Profiles folder (example: Algorithim.XML file that has been modified to support custom analysis requirements for unique applications). Any changes made to the Profile XML files were likely done with the assistance of the Technical Support staff.

The FinePointe Setup wizard will make a backup copy of all Profile XML files and save them to a Backup folder within the Profile folder, before overwriting the existing XML files. Therefore, if any Profile XML files have had customizations, those customizations will be retained and will be available in the Backup folder.

If you have reason to believe you have had customizations made to any Profile XLM files it is recommended that you contact Technical Support to get assistance determining if your customization(s) need to be added to the new V3.0.x Profile XML files. In many cases previous customizations made to Profile XML files to support unique applications have been integrated into the new V3.0.x Profile XML files.

The FinePointe installation program includes 4 installation options.

- Client and Server Installation, with SQL Server (Installation of SQL Server can take several minutes)
- Client and Server Installation (Recommend for users upgrading from a previous version for FinePointe)
- Client Only Installation
- Isolated Station Installation

New FinePointe users should select the first (default) option, *Client and Server Installation, with SQL Server*, when installing software on the primary computer used for the system. This option includes FinePointe Station (data acquisition), Review (data management and reporting), and Controller (SQL database for report processing, data storage, system security, and licensing). Please note; if using Windows 10, Microsoft .NET Framework v3.5 must be installed to support SQL Server 2014 SP2 Standard Edition that comes with FinePointe 3.0.x (refer to **Appendix 1**).

The *Client and Server Installation* option is necessary when connecting to a preexisting SQL database located either on the primary computer being used for data acquisition or on the network via remote connection. This option is recommended when setting up a FinePointe Member Server. Member Servers enable you to connect additional data acquisition Stations to your Controller. <u>DSI also recommends that users upgrading from prior</u> versions of FinePointe use the *Client and Server Installation* when installing the latest version on the controller server. This will permit FinePointe v3.0.x to be configured using the SQL database installed with the previous

<u>version of the software, SQL Server 2012 Express.</u> FinePointe v3.0.x comes with SQL Server 2014 SP2 Standard Edition, which removes the data storage limitation imposed by the Express editions. Using the Client and Server Installation option will also permit you to update the previous version of SQL Server to the 2014 Standard Edition and migrate your data to the new database once the installation is complete. Refer to **Appendix 2** to learn how to upgrade SQL Server.

The *Client Only Installation* is intended for users licensed to connect to the FinePointe Controller (SQL database) for review of data from a remote computer (e.g. office computer). Data acquisition is not intended to be performed on computers with this option installed. The remote computer must be connected to the same network as the FinePointe Controller.

The *Isolated Station Installation* is used to allow licensed users to acquire data when the data acquisition computer cannot be connected to the network. In this case, acquired data must be manually transferred (e.g. via flash drive) to a FinePointe Server from a Client on the network and logged into the FinePointe Controller.

FinePointe Installation

This section covers the installation procedure for a standalone FinePointe system for data acquisition and analysis.

- 1. Turn on your PC and log in as an administrator.
- 2. Find the FinePointe installation software, generally provided on a DSI flash drive. For the purposes of this description, the flash drive is mapped to drive F: when plugged into your PC. Your system may map it to a different drive, and if it does, replace the F: with that drive letter.
- 3. Double-click on the file named **FinePointeSetup.exe**.
- 4. The *FinePointe Setup Wizard* will appear. Click **Next**.

📥 Setup - FinePointe	- 🗆 X
	Welcome to the FinePointe Setup Wizard
	This will install FinePointe version 3.0.0 on your computer.
	It is recommended that you close all other applications before continuing.
HOM	Click Next to continue, or Cancel to exit Setup.
	Next Cancel

5. The Select Installation Folder screen will appear. Accept the defaults and click Next.

etup - rinePointe	
elect Destination Location Where should FinePointe be insta	Iled?
Setup will install FinePoin	nte into the following folder.
To continue, click Next. If you wo	ould like to select a different folder, dick Browse.
C: Program Files DSI FinePointe	Browse
At least 269.1 MB of free disk soa	sce is required.
At least 269. 1 MB of free disk spa	sce is required.

6. The Select Components screen will appear.

For a <u>New Installation</u> of a stand-alone system, select **Client and Server Installation, with SQL Server**. Note: If <u>upgrading</u> an existing FinePointe system, select **Client and Server Installation**.

Click Next.

Note: Above screen is an example from a full new installation including SQL Server

7. The *Select Start Menu Folder* screen will appear. By default, FinePointe software appears within the **Start Menu** within a **FinePointe** folder. Click **Next**.

B Setup - FinePointe	
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start !	1enu folder.
To continue, click Next. If you would like to select a different folder, click	Browse.
FinePointe	Browse
< <u>B</u> ack Next >	Cancel

8. The *Select Additional Tasks* screen will appear. If desired, create a shortcut icon on the desktop to start FinePointe. Click **Next**.

📴 Setup - FinePointe
Select Additional Tasks Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing FinePointe, then dick Next.
Additional icons:
Create a desktop icon
< <u>B</u> ack <u>N</u> ext > Cancel

9. The Ready to Install screen will appear. Review the selected options, then click Install.



Note: Above screen is an example from a full new installation including SQL Server

10. The FinePointe installation will begin, followed by SQL Server installation if a complete new installation is being performed. *Note: Installation of SQL Server can take several minutes.*

🔂 Setup - FinePoi	nte 📃 📃 🗙
Installing Please wait w	ihile Setup installs FinePointe on your computer.
Extracting file C:\Program F	es iles\DSI\FinePointe\ibiomp5md.dll
	🖯 Setup - FinePointe 📃 🔍 🛛
	Installing Please wait while Setup installs FinePointe on your computer.
	Setup Setup
	SQL Server will now be installed. This may take a few minutes.
	ОК
	Cancel

- 11. For the *Microsoft .NET Framework 3.5 runtime* <u>you may see</u> the following messages: (please refer to Appendix 1 for instructions how to update the Windows Update service)
 - a. Click **OK** to install the Framework.



b. Click Download and install this feature.

The days Factors	×
itis windows reatures	
An app on your PC needs the following Windows feature:	
.NET Framework 3.5 (includes .NET 2.0 and 3.0)	
Download and install this feature Windows will get the files that it needs from Windows Update and complete the installation.	
→ Skip this installation Your apps might not work correctly without this feature.	
Tell me more about this feature	
]	Cancel

c. Select Close when the Framework is installed.



12. If **Client and Server Installation, with SQL Server** is chosen as the installation option, Microsoft SQL Server 2014 will automatically install. *Note: Installation of SQL Server can take several minutes.*

🏫 SQL Server 2014 Setup		T	1 10 10 10	
Installation Progress				
Install Setup Files Installation Progress	Install_RsFx_Cpu64_A	ction : RegisterProduct. Registering	product	
	1		Next > Ca	incel Help

13. If prompted to install the device software from Data Sciences International, click Install.



14. The *Completing the FinePointe Setup Wizard* screen will appear. Click **Finish**.

🔂 Setup - FinePointe	
	Completing the FinePointe Setup Wizard Setup has finished installing FinePointe on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup.
	Einish

FinePointe License Dongle File Installation -

The following steps are required to perform the initial install or upgrade of a FinePointe license dongle using a license upgrade file. The purpose of the step is to enable a new version of FinePointe, or to add new features to an existing FinePointe system, or to install a Temporary Finepointe License. Typically the license file is supplied on the USB flash drive which also contains the FinePointe software. It will be located within the root director of the flash drive with the ".mlf" extension.

- 15. Connect the FinePointe license dongle (Sentinel HASP HL dongle) to an available USB port located in a safe location.
- 16. Copy the license file to the Windows desktop of the computer that has the FinePointe Controller program installed. The file will be located within the root director of the flash drive with the ".mlf" extension.
- 17. Launch FinePointe Control Panel and log in using the Windows Administrator account.
- 18. If this is a new installation do the "FINEPOINTE SERVER CONFIGURATION" before going to the next step.
- 19. Click the "View License Details" button. The view will take a few seconds to open while it retrieves the license information.

- 20. The attached dongle information should be displayed. This includes the HASP ID, FinePointe version, and enabled options.
- 21. In the "License Management" section on the top tool bar, click the "Install" button.



22. A Windows file browser dialog should open. Navigate to the Windows desktop and select the license file you copied there in step #1.

Open						
) - 🕨 - 🔘	ompute	r + OSDisk (C:) + FinePointe Licenses +	 ✓ 4₇ Ser 	arch FinePointe Lice	nses 🔎	
Organize 🕶 🕴	ew folde	8		≡ •	EI @	
Downloads Buxco Buxco Docs Camtasia Sti Customer D Customer V DSI Main DSI Manuali DSI - Buxco DSIgrafx	idio ita sits E Dist	Name CD3A.MLF Christina_01.MLF emergency test.MLF fidelta 001.MLF Hushan Hospital.MLF UBR_01.MLF IBR_01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF istituto_Ramazzini01.MLF	Date modified 10/1/2014 12:03 PM 1/20/2015 11:07 AM 4/30/2015 8:09 AM 4/28/2015 3:23 PM 6/17/2014 10:36 AM 1/6/2015 1:25 PM 3/31/2015 8:25 AM 10/8/2014 1:57 PM 7/28/2014 10:1 AM 8/22/2014 10:52 A	Type MLF File MLF File MLF File MLF File MLF File MLF File MLF File MLF File MLF File	Size •	Max Sites: Unlimited Enable GLP Export Formats
 Expenses FinePointe D FinePointe L Manuals Ponemah ar PrimeTech Sales Screen Shot 	ata cen: d PT	mike01.MLF mike01.MLF mike01.MLF washan Zhong_license.MLF washan Zhong_license.MLF with test01.MLF pft upgrade.MLF pft upgrade.MLF orlf001.MLF	0/22/2014 10:32 AM 10/21/2014 3:19 PM 3/28/2014 12:00 PM 8/21/2014 12:15 PM 1/5/2015 12:33 PM 9/12/2014 9:25 AM 11/3/2014 2:27 PM	MLF File MLF File MLF File MLF File MLF File MLF File	,	Microsoft Excel GraphPad Prism SPSS SAS OpenOffice Microsoft Word

- 23. Click the "Open" button.
- 24. The license file should install and a success message should appear.
- 25. Close the message.
- 26. In the "License Management" section on the top tool bar, select the "Re-read license" button.
- 27. After a few seconds, the displayed license information will refresh. The new options that were added by the upgrade should appear.
- 28. Verify the new version and /or features have been added.
- 29. Close the FinePointe Control Panel.

30. When first running the application, select **Allow access** when prompted by the Security Alert.



This completes the FinePointe software and license file installation.

FinePointe Server Configuration

The following details the process to configure the FinePointe Server for the workstation based on the installation type chosen for the workstation.

- 1. In Windows, click **Start | All Programs | FinePointe** and launch the **FinePointe Control Panel** application.
- 2. Log in using your *Windows Administrator* account. *FinePointe Control Panel* can only be launched by Windows Administrators.



- 3. The Change Server Type screen will appear.
 - a. If the *Client and Server Installation, with SQL Server* option was selected, select **Controller Server.**
 - b. If Client and Server Installation was selected, select Member Server.
 - c. If Isolated Station Installation was selected, select Isolated Station.
 - d. Once the appropriate selection has been made, click **Apply Changes**.

G Member Server Home Page/Change Server Type Buxco FinePointe Control Panel	- • ×
General Actions Apply Changes	
Define the role of this server	
Controller Server	
The central controller coordinates other servers and clients. It also manages the licensing and security.	
Member Server	
A satellite server which is connected to the Controller Server through the network. This server can host Studies, BioSystem XA data, and FinePointe Station.	
Controller server of Member server:	
select server	
Isolated Station A FinePointe Station computer is not connected to the Controller Server through a network connection.	

4. The *Controller Home Page* screen will appear. Click the **View License Details** button.

🚯 Controller Home Page FinePointe Control Panel	
General Actions Database Management	
Tools	ند مار <u>م</u>
Manage Data Vew, delete, or begin processing tasks Manage Users Create, modify, or delete users and user roles Manage Users Create, modify, or delete users and user roles Manage Studies and Laboratories View, modify, or upgrade laboratories and studies Manage Studies and Laboratories View, modify, or upgrade laboratories and studies	
View License Details Wodify Server Settings Modify Server Settings Modify Security Policies Modify Security Policies	
Satus	
Display DSOPER-20672 Location: Database: Ready and online.	
Server tcp://dsoper-20672:35000/ SQL Server: DSOPER-20672\FINEPOINTE	
Log	
5/14/2 5/14/2 5/14/2 5/14/2 5/14/2 5/14/2 5/14/2 5/14/2 5/14/2019 8/5/5/2 AM: FinePointe Server Started.	
5/14/2019 8:55:42 AM: Service is now configured as a Controller Server.	
5/14/2019 8:55:43 AM: Server self-registered successfully.	
5/14/2019 8:55:49 AM: Successfully contacted the member server DSOPER-20672 at 'tcp://dsoper-20672:35000/.	

5. The *License Details* screen will open. Confirm the **License Type** is **Normal**. An ID number should appear in the **HASP ID** field. No warnings or errors should appear. If there are any issues, please contact your DSI representative. If the settings are valid, click the **Home** button to return to the *Controller Home* page.

General roos License Mana	pement atar [stend] POC1-KE01	Hasp ID:	
icense Type: Normal Max Users:	Version: Any Version Max Clients:	Max Member Servers:	Max Sites:
Unlimited	Unlimited	Unlimited	Unlimited
icense Expiration:	Maintenance Expiration:		
Never	Never	Single Machine Installation	Enable GLP
Study Types		Site Types	Export Formats
A Antosekeponse X Antosonist X Antosonist Antosonist Couph Toxicity For Couph For Time Activity For Activity For Activity For Activity For Activity For CoupD COUPD		Will ALR WBP ALR WBP Volume WINAM WBP Volume WINAM WP Volusatie Tissue WMetabolism WBP WMetabolism FDP WR SC Static WDiaphragm WEG Transfer Impedance WInput Impedance WInput Impedance WInput Rossiler WR CP neumtach WP	Microsoft Excel Point Sophar Prinm Sophar Prinm Sophar Prinm Sophar Prinm Sophar Sophar Print Microsoft Word

6. Click the **Modify Server Settings** button.

🚯 Controller Home Page FinePointe Control Panel		
General Actions Database Management		
	Tools	
Manage Data View, delete, or begin processing tasks	Manage Users Greate, modify, or delete users and user roles	Manage Member Servers Upgrade servers and add controllers
View License Details	Modify Server Settings Modify Security Policies	Hardware Configuration Create, modify, and delete configurations
	Status	
Display Name: DSOPER-20672	Location:	Database: Ready and online.
Server URI: tcp://dsoper-20672:35000/	SQL Server: DSOPER-20672\FINEPOINTE	
	Log	
5/14/2019 8:55:40 AM: FinePointe Server Started. 5/14/2019 8:55:42 AM: Controller database loaded successfu 5/14/2019 8:55:42 AM: Service is now configured as a Contro	ully. oller Server.	
5/14/2019 8:55:43 AM: Server self-registered successfully. 5/14/2019 8:55:49 AM: Successfully contacted the member s	server DSOPER-20672 at 'tcp://dsoper-20672:35000/'.	

- 7. The *Modify Server Settings* screen will open. Configure the following items:
 - a. Select the **Enable Station Server** checkbox if data acquisition is desired from this workstation (i.e. it is not a *Client only* installation).
 - b. Enter your Company Name.
 - c. Enter your State or Province.
 - d. Enter your Country.
 - e. Select Use Windows Authentication
 - f. Select the SQL server from the SQL Server: dropdown menu. This should be the same SQL server name that was used when installing SQL server earlier. The default SQL Server name is "<computer name>\FINEPOINTE".

If the dropdown menu is empty, wait about 5 seconds and try again.

g. Once all items above are configured, click the Apply Changes button.

G Controller Home Page/Modify Server Settings For Controller Buxco FinePointe Co	ontrol Panel
General Actions Apply Changes G	
Basic Information	Controller Database and Study Server
Display Name: CHRISK-20469	SQL Server: CHRISK-20469/SQLEXPRESS
Location: Server URI: (tcp://chrisk-20469:35000)	Use Windows Authentication Use SQL Server Authentication User Name:
Host chrisk-20469 Port: 35000 This server will not be accessible over the network	Password:
	Database:
	bmc Meridian Controller
	Specify Database Folder
BioSystem XA Data Import Server	Laboratory Information
Enable BioSystem XA Data Import Server Data Folder:	Company Name: DSI B
L Browse	State/Province:
Ole DB Provider:	Constan
FinePointe Station Server	

8. A confirmation dialog will appear asking if you would like to create a new controller database. Click **Yes**.



9. After a few seconds, the Update Successful message will appear. Click the **OK** to continue.



10. Next, click the **Home** button. The *Controller Home* page will appear. All options in the **Tools** section should be active.

FinePointe Client Configuration

1. Select the Windows Start menu | All Programs | FinePointe to launch the FinePointe application.



- 2. The first time FinePointe connects to a server, the server name and port number must be manual entered (TCP://servername:port#) or select the server name (PC name) from the drop down list.
- 3. Select the **Create New Account** button or enter the user credentials to log into the server.

UPGRADE ALL STUDIES – For upgrades to systems with existing studies

The following details the process to Upgrade All Studies after completing the installation process.

- 1. In Windows, click **Start | All Programs | FinePointe** and launch the **FinePointe Control Panel** application.
- 2. Log in using your *Windows Administrator* account. *FinePointe Control Panel* can only be launched by Windows Administrators.



The Controller Home Page screen will appear. Click the View License Details button.

3. The Controller Home Page screen will appear. Click the Manage Studies and Laboratories button.

G Controller Ho	ome Page FinePointe Control Panel		2 0 J
General Action	s Database Management		
P	Manage Data View, delete, or begin processing tasks	Tools Manage Users Greate, modify, or delete users and user roles Manage Studies and Laboratories View, modify, or upgrade laboratories and studies	Manage Member Servers Upgrade servers and add controllers
	View License Details	Modify Server Settings Mr Po	Hardware Configuration Create modify and delete configurations
Display Name:	DSOPER-20672	Location:	Database: Ready and online.
Server URI:	tcp://dsoper-20672:35000/	SQL Server: DSOPER-20672\FINEPOINTE	
		Log	
5/14/2019 8:55:	40 AM: FinePointe Server Started. 42 AM: Controller database loaded successfu	lv.	
5/14/2019 8:552	42 AM: Service is now configured as a Contro	ller Server.	
5/14/2019 8:55:	43 AM: Server self-registered successfully.		
5/14/2019 8:55:	49 AM: Successfully contacted the member s	erver DSOPER-20672 at 'tcp://dsoper-20672:35000/.	

4. Click on the **Upgrade All Studies** button. Depending on the number and size of the existing Studies this process can take a few minutes. When the process is completed the system will return a "Ready to use" message under the Status column for each study.

💊 Controller Home Page/Manage Studies And Laboratories FinePointe Control Panel			
General Actions Laboratory Managemen		Study Management	
n 🕇 🚦 💌 New Laboratory 😵	🍐 🛛 🛨 Upgrade All Studies ∓	Archive Study 🔻 🔍 🔤	
Select an item from the left panel to view its members in the right panel			
Name	Study Name	Machine	Status
My Laboratory	Cough Guinea Pig	20672	Ready to use
	NAM 2 Site Mouse	20672	Ready to use
	NAM Rat	20672	Ready to use

Appendix 1 – Installing .NET 3.5 on Windows 10

The install package will automatically install the .NET Framework 3.5. Note that the Windows Update Service must be turned ON prior to installation and you must have an Internet connection.

To enable the Windows Update service:

- 1. Right-click on the 📕 icon.
- 2. Right-click Computer Management
- 3. Under Services and Applications, select the Services log.
- 4. Ensure the *Windows Update* service is **Enabled**.
- 5. You may have to configure the properties and change the *Startup type* to **Automatic**.
- 6. Apply the setting and then you can manually **Start** the service.

To manually enable the .NET Framework 3.5 through Control Panel, follow the steps below. This option also requires an Internet connection.

- Press the Windows key and your keyboard, type Windows Features, and press <Enter>. This brings up the Turn Windows features on or off dialog box. Alternately, open Control Panel, click on the Programs items, and then click on "Turn Windows features on or off" under Programs and Features.
- 2. Select the **.NET Framework 3.5 (includes .NET 2.0 and 3.0)** check box, select **OK**, and reboot your computer if prompted.

Appendix 2 – Migrating data to SQL Server 2014

This section covers installing SQL Server 2014 with Tools 64 Bit.



CAUTION: It is strongly recommended to backup the existing database prior to proceeding with this procedure as a precautionary measure.

- 1. Turn on your PC and log in as an administrator.
- 2. Find the SQL Server 2014 installation software, generally provided on a DSI flash drive. For the purposes of this description the flash drive is mapped to drive F: when plugged into your PC. Your system may map it to a different drive, and if it does, replace the F: with that drive letter.
- Navigate to this folder on the DSI flash drive:
 F:\SQL Server 64bit\SQLServer_2014Standard_x64
- 4. Double-click the file named **Setup.exe**.
- 5. The files will extract and the SQL Server Installation Center will appear.

Please note: the installer might prompt you to download and install Microsoft .NET 4.0 at this point. If so, run the .NET 4.0 installation wizard that appears. It will download and install .NET 4.0 before continuing with the steps listed below. If you are prompted to restart Windows, do so and then start the installation procedure from the beginning.

6. The first screen gives you a list of tasks on the left and the details on the right. Select **Installation** from the list on the left, and then click "**Upgrade from SQL Server...**"

1 SQL Server Installation Center	
Planning Installation Maintenance Tools Resources Advanced Options	 New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2014 in a non-clustered environment or to add features to an existing SQL Server 2014 instance. New SQL Server failover cluster installation Launch a wizard to install a single-node SQL Server 2014 failover cluster. Add node to a SQL Server failover cluster Launch a wizard to add a node to an existing SQL Server 2014 failover cluster. Upgrade from SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012 Launch a wizard to upgrade SQL Server 2005, SQL Server 2008, SQL Server 2008 R2 or SQL Server 2012 to SQL Server 2014.

7. The *Product Key* page will display. The key should automatically be entered in this field. Click **Next** to continue.

Upgrade to SQL Server 2014		×
 Upgrade to SQL Server 2014 Product Key Specify the edition of SQL Server Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Features Feature Rules Ready to Upgrade Upgrade Upgrade Progress Complete 	er 2014 to install. Validate this instance of SQL Server 2014 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server, such as Evaluation nor Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. To upgrade from one edition to another, run the Edition Upgrade Wizard. Specify a free edition: Evaluation Evaluation PTERV-Y6X6Y-YBC6Q-TB4QR-DMTTK	E
	< <u>B</u> ack Next > Cancel	•

8. The License Terms screen will appear. Accept the license terms. Click the Next button.

👼 Upgrade to SQL Server 2014	
License Terms To install SQL Server 2014, you	must accept the Microsoft Software License Terms.
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Features Feature Rules Ready to Upgrade Upgrade Progress Complete	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2014 STANDARD These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft • updates, • supplements,
	Copy Print Copy Print I accept the license terms. Iurn on Customer Experience Improvement Program ("CEIP") and Error Reporting to help improve the quality, reliability and performance of Microsoft SQL Server 2014. See the Microsoft SQL Server 2014 Privacy Statement for more information. * Microsoft SQL Server 2014 also includes a Visual Studio component that will have CEIP settings turned off by default. If Visual Studio is installed, this component will use the CEIP settings for Visual Studio.
	< <u>B</u> ack <u>N</u> ext > Cancel

9. The *SQL installer* will check the *Global Rules* for installation. If any errors appear, read the messages and correct the problems as described. If a yellow warning message appears about the Windows

firewall, you can ignore it for now. Contact DSI Technical Support if needed.

Upgrade to SQL Server 2014	
Global Rules	
Setup Global Rules identify pro corrected before Setup can cor	blems that might occur when you install SQL Server Setup support files. Failures must be ttinue.
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Features Feature Rules Ready to Upgrade Upgrade Progress Complete	Rule check in progress Show details >> Re-run
	< <u>B</u> ack <u>N</u> ext > Cancel

10. The next screen will scan for any recent product updates from Microsoft that are required for the installation. If updates are found, click the **Next** button to download and install them. (If no updates are required, it will indicate they have been skipped.)

Upgrade to SQL Server 2014	er Setup is found and specified to be included, t	he update will be installed.	X
Product Key License Terms			
Global Rules	Task	Status	
Product Updates	Scan for product updates	Completed	
Install Setup Files	Download Setup files	Skipped	
Upgrade Rules	Extract Setup files	Skipped	
Select Features	Install Setup files	Skipped	
Feature Rules			
Ready to Upgrade			_
Upgrade Progress			
Complete			
		< <u>B</u> ack <u>N</u> ext > Cancel	ן כ

11. The Upgrade Rules screen will run to check for any potential issues that may occur while running the Setup. Any failures will need to be addressed prior to moving forward. This should automatically progress to the next screen.

Upgrade to SQL Server 2014 Install Setup Files If an update for SQL Server Set	tup is found and specified to be included, th	he update will be installed.	×
Product Key			
License Lerms			
Global Rules	Task	Status	
Product Updates	Scan for product updates	Completed	-11
Install Setup Files	Download Setup files	Skipped	-11
Upgrade Rules	Extract Setup files	Skipped	-11
Select Features	Install Setup files	Skipped	-11
Feature Kules Ready to Upgrade Upgrade Progress Complete			
		< <u>Back</u> <u>N</u> ext > Cancel	

12. The *Select Instance* page will appear. Select the SQL instance to upgrade. In this case, select the previous SQL instance used for FinePointe. The default instance name used with previous FinePointe version was **SQLEXPRESS**. Click **Next** to continue.

Upgrade to SQL Server 2014					
Select Instance Specify the instance of SQL Ser	ver to modify.				
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules	Select the instance of select "Upgrade share Instance to upgrade: SQLEXPRESS Installed instances:	SQL Server to upgrad d features" and then cl	e. To upgrade only Ma ick next.	inagement Tools and s	hared features,
Select Instance	Instance Name	Instance ID	Features	Edition	Version
Select Features	SQLEXPRESS	MSSQL11.SQLEXPR	SQLEngine	Express	11.1.3000.0
Feature Rules	P3PLUS	MSSQL10.P3PLUS	SQLEngine,SQLEng	Express	10.1.2531.0
Ready to Upgrade	<shared compone<="" th=""><th></th><th>SSMS, Adv_SSMS</th><th></th><th>11.1.3000.0</th></shared>		SSMS, Adv_SSMS		11.1.3000.0
Upgrade Progress Complete					
< <u>B</u> ack Cancel Help					

13. The *Feature Selection* screen will display. The *SQL Installer* will automatically select the features that can be upgraded. Click **Next** to continue.

Upgrade to SQL Server 2014 Select Features It is not possible to change th	e SQL Server features to be upgraded in this release.	
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Instance Select Features Instance Configuration Feature Rules Ready to Upgrade Upgrade Progress Complete	Eestures: SQLEXPRESS Database Engine Services Shared Features Management Tools - Basic Management Tools - Complete Redistributable Features	Description:
	< <u>B</u> ack	<u>N</u> ext > Cancel Help

14. The Instance Configuration screen will appear. Accept defaults values and click Next.

Upgrade to SQL Server 2014					
Instance Configuration Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.					
Product Key License Terms Global Rules	 <u>D</u>efault instance <u>Na</u>med instance: 	SQLEXPRESS			
Product Updates Install Setup Files Upgrade Rules	Instance <u>I</u> D:	SQLEXPRESS			
Select Instance Select Features Instance Configuration	SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL12.SQLEXPRESS Installed instances:				
Ready to Upgrade	Instance Name SOLEXPRESS	Instance ID MSSOL11.SOLEXPR	Features SOLEngine	Edition Express	Version 11.1.3000.0
Complete	P3PLUS <shared compone<="" th=""><th>MSSQL10.P3PLUS</th><th>SQLEngine, SQLEn SSMS, Adv_SSMS</th><th>Express</th><th>10.1.2531.0 11.1.3000.0</th></shared>	MSSQL10.P3PLUS	SQLEngine, SQLEn SSMS, Adv_SSMS	Express	10.1.2531.0 11.1.3000.0
			< <u>B</u> ack <u>N</u> ex	t > Cancel	Help

15. The *SQL installer* will check the *Feature Rules*. Once complete, the next page of the wizard should automatically display.

Upgrade to SQL Server 2014	
Feature Rules Setup is running rules to detern Advisor to completely analyze to	mine if the upgrade process will be blocked. It is recommended that you run Upgrade your prior installations. See help for more information.
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Instance Select Features Instance Configuration Feature Rules Ready to Upgrade Upgrade Progress Complete	Rule check in progress Show details >> Re-run
	< <u>B</u> ack <u>N</u> ext > Cancel Help

16. The *Ready to Upgrade* screen will display, summarizing the upgrade for final verification. Click **Upgrade** to continue.

Upgrade to SQL Server 2014 Ready to Upgrade Verify the SQL Server 2014 fe	atures to be upgraded.	
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Instance Select Features Instance Configuration Feature Rules Ready to Upgrade Upgrade Progress Complete	Ready to upgrade SQL Server 2014:	
	Source Source Cancel Help	

17. The upgrade process will begin. It may take 5-10 minutes to install.

Upgrade to SQL Server 2014	
Upgrade Progress	
Product Key License Terms Global Rules Product Updates Install Setup Files Upgrade Rules Select Instance Select Features Instance Configuration Feature Rules Ready to Upgrade Upgrade Progress Complete	ConfigEvent_SQL_PowerShell_Engine_CNS_sql_engine_core_shared_Cpu64_Install_Validation_validation
	Next > Cancel Help

18. Once the *SQL Installer* has completed the installation process, a summary of the product updates in displayed. Click **Close**.

Upgrade to SQL Server 2014			x
Complete Your SQL Server 2014 upgrade	completed successfully with product update	5.	
Product Key	Information about the Setup operation or	possible next steps:	
License Terms	Feature	Status	
Global Rules	Management Tools - Complete	Succeeded	
Product Updates	Management Tools - Basic	Succeeded	
Install Setup Files	Database Engine Services	Succeeded	
Upgrade Rules	Setup Support Files	Succeeded	
Select Instance			
Select Features			
Instance Configuration			
Feature Rules	Details:		
Ready to Upgrade Upgrade Progress Complete	Viewing Product Documentation for Only the components that you use to been installed. By default, the Help Vi SQL Server, you can use the Help Lib your local computer. For more informa	r SQL Server view and manage the documentation for SQL Server have ever component uses the online library. After installing any Manager component to download documentation to tion see Use Microsoft Bonks Online for SQL Server	A III
	(<http: ?linkl<="" fwlink="" go.microsoft.com="" td=""><td>D=299578≥).</td><td>-</td></http:>	D=299578≥).	-
	Summary log file has been saved to the fol	lowing location:	
	C:\Program Files\Microsoft SQL Server\12 20469 20160126 144950.txt	0\Setup Bootstrap\Log\20160126 144950\Summary chrisk-	
		Close Help	

Appendix 3 – Manual Driver Installation

This section covers the installation of the following Windows drivers:

- FinePointe hardware drivers under Windows 7
- FinePointe hardware drivers under Windows 10
- Sentinel HASP HL license dongle drivers

This operation is normally performed by the FinePointe installation, but details are included here for users who may need to troubleshoot installation issues.

FinePointe hardware drivers under Windows 7

To install FinePointe hardware drivers under Windows 7:

- 1. Turn on your PC and log in as an administrator.
- 2. Find the FinePointe installation software, generally provided on a DSI flash drive. For the purposes of this description the flash drive is mapped to drive F: when plugged into your PC. Your system may map it to a different drive, and if it does, replace the F: with that drive letter.
- 3. Navigate to the driver folder F:\Drivers\FinePointe\FinePointe 2.5 Drivers on the DSI flash drive and double-click on Setup.BAT.
- 4. An installation wizard is launched showing the following welcome page. Click **Next**.

FinePointe Device Driver Installer			
USE	Welcome to the FinePointe Device Driver Installer!		
	This wizard will walk you through updating the drivers for your FinePointe hardware.		
	To continue, click Next.		
	< <u>B</u> ack Next > Cancel		

5. Accept the license agreement by clicking the radio button associated with "*I accept this EULA*" and click **Next**.

FinePointe Device Driver Installer				
End User L	icense Agreement			
	To continue, accept the following license agreement. To read the entire agreement, use the scroll bar or press the Page Down key.			
	SOFTWARE LICENSE AGREEMENT PLEASE READ THIS LICENSE CAREFULLY BEFORE INSTALLING THE ENCLOSED SOFTWARE. BY USING THE SOFTWARE, YOU AGREE TO THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE. PROMPTLY RETURN THIS SOFTWARE TO DSI AT THE ADDRESS SPECIFIED ON THE DOCUMENTATION. IF YOU DO SO, DSI WILL REFUND THE LICENSE FEE YOU PAID FOR THE SOFTWARE. This software license agreement (hreinafter called "Agreement") is			
	 I accept this EULA I do not accept this EULA 			
	< <u>B</u> ack <u>N</u> ext > Cancel			

6. After a few seconds, installation will complete and the final wizard page is presented confirming successful installation of the drivers:

FinePointe Device Driver Installer				
USF	Congratulations! You are finished installing your FinePointe devices.			
10.	The drivers were successfully in	stalled on this computer.		
199	You can now connect your device to this computer. If your device came with instructions, please read them first.			
	Driver Name	Status		
B E	V Buxco Research System	Ready to use		
	< <u>B</u> ack	Finish Cancel		

7. Click Finish.

FinePointe hardware drivers under Windows 10

To install FinePointe hardware drivers under Windows 10:

- 1. Turn on your PC and log in as an administrator.
- 2. Move the cursor over the top or bottom right corner of the screen and extra options will be displayed on the right side of the screen.
- 3. Choose the **Settings** option (The icon looks like a gear).



4. Select the Change PC Setting" option.



5. Click General on the left side and then click Restart now on the right under Advanced Startup.



6. Click Troubleshoot.



7. Select Advanced options.



8. Select Startup Settings.

Advanced options			
	System Restore Use a restore point recorded on your PC to restore Windows	C:\	Command Prompt Use the Command Prompt for advanced troubleshooting
	System Image Recovery Recover Windows using a specific system image file	\$	Startup Settings Change Windows startup behavior
	Automatic Repair		

9. Click the Restart button.



10. Windows will restart and the following screen will appear. Strike the **<7>** or the **<F7>** key to disable driver signature enforcement. Windows will finish booting.

Startup Settings Press a number to choose from the options below: Use number keys or functions keys F1-F9. 1) Enable debugging 2) Enable boot logging 3) Enable low-resolution video 4) Enable Safe Mode 5) Enable Safe Mode with Networking 6) Enable Safe Mode with Networking 6) Enable Safe Mode with Command Prompt 7) Disable driver signature enforcement 8) Disable early launch anti-malware protection 9) Disable automatic restart after failure

11. Complete the driver installation by following the *Windows 7* procedure in the previous section.

Appendix 4 – Manual Microsoft SQL Server 2014 Configuration

The 3.0.x install will automatically configure the database server roles. However, if you are manually configuring the roles, please complete the following steps for proper operation.

- Run SQL Server Management Studio by navigating through the following menus: Start | All Programs | Microsoft SQL Server 2014 | SQL Server Management Studio Right-click the program and click Run as Administrator.
- 2. In the *Server Name* field select the **FinePointe** server. This item is normally preceded by the computer name, as in "<computer name>\FINEPOINTE".
- 3. Click Connect.
- 4. On the left side of the window, open the folder **Security | Logins**. Next, double-click on the login **NT AUTHORITY\SYSTEM**.
- 5. The *Login Properties* dialog for "*NT AUTHORITY**SYSTEM*" should open. Select **Server Roles** from the "*Select a page*" section on the left.

Login Properties - NT AUTHO	DRITY\SYSTEM			- 0 ×
Select a page	🔄 Script 🔻 📑 Help			
Server Roles				
Securables	Login name:	NT AUTHORITY\SY	STEM	Search
🚰 Status	Windows authentication			
	SQL Server authentication			_
	Password:			
1	Confirm password:			
	Specify old password			
	Old password:			
	Enforce password policy			-
	Enforce password expira	tion		
	User must change passv	vord at next login		
	 Mapped to certificate 		v	
	 Mapped to asymmetric key 		Ŧ	
Connection	Map to Credential		Ŧ	Add
Server:	Mapped Credentials	Credential	Provider	
SATURN9				
Connection: BUXCO\Rolf Almekinder				
View connection properties				
Progress				Remove
Ready	Default database:	master	•	
~4P*	Default language:	English	•	
			ОК	Cancel

6. A list of Server roles should appear. Make sure "**public**" and "**sysadmin**" are selected. Click the **OK** button.

🚦 Login Properties - NT AUTHC	DRITY\SYSTEM	_ D X
Select a page Page General	Script 🔻 🎼 Help	
Server Roles User Mapping Securables	Server role is used to grant server-wide security privileges to a user.	
🚰 Status	Server milee:	
	Delveriores.	
	dbcreator	
	diskadmin processar	
	V public	
	setupadmin	
	V sysadmin	
Connection		
Server: SATURN9		
Connection: BUXCO\Rolf Almekinder		
Mew connection properties		
Progress		
Ready		
, db.		
	OK	Cancel

7. Close SQL Server Management Studio.

This completes the *Microsoft SQL Server 2014 Configuration*. Please continue to the *FinePointe Server Configuration* section.

Appendix 5 – Firewall Configuration

Firewall software installed on the FinePointe server and client computers will need to be configured to allow them to communicate with one another. This is not an issue when everything is installed on one computer. The most common firewall in use is the Windows 7 and Windows 10 firewall. This firewall is turned on by default, and it may keep turning itself on after Microsoft updates are installed. There is also a chance that network domain policy may force the client computers to turn the firewall on. Below is a list of the settings that are required on all FinePointe servers and clients.

Please check the firewall settings to ensure the following are allowed:

- FinePointeSVR.exe must be allowed. Default path: C:\Program Files\BuxcoDSI\FinePointe\FinePointeSVR.exe
- FinePointeReview.exe must be allowed. Default path: C:\Program Files\BuxcoDSI\FinePointe\FinePointeReview.exe
- FinePointeStation.exe must be allowed. Default path: C:\Program Files\BuxcoDSI\FinePointe\FinePointeStation.exe
- UDP Port 777 must be allowed
- sqlbrowser.exe must be allowed. Default path for SQL 2014: C:\Program Files (x86)\Microsoft SQL Server\90\Shared\sqlbrowser.exe
- sqlservr.exe must be allowed.
 Default path for SQL 2014: C:\Program Files\Microsoft SQL
 Server\MSSQL12.FINEPOINTE\MSSQL\Binn\Sqlservr.exe
- The specific network subnet that the FinePointe computers reside on must be allowed in the Scope setting for each of these ports. Alternately, the Scope setting can be configured to allow "any computer".

Contact Information

We are available to help you with your questions and concerns. Should you hit a roadblock or need some additional training, please feel free to visit the DSI Support Center at https://support.datasci.com to find articles and helpful information in our knowledge base, Chat with an agent, or setup time to receive one-on-one consultation. We are happy to help!

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