Installing T-HUB on multiple computers

T-HUB can be installed on multiple computers on the same local network. T-HUB has a SQL Server database that needs to be installed on a Server or Host computer. All user installations of T-HUB can share the same T-HUB database on the host computer. For the sake of this document, let's consider you have a host computer named HCServer and two client computers named CC1 and CC2. The objective here is to install the T-HUB Server database on host computer HC1 and then install T-HUB client application on CC1 and CC2 and then connect T-HUB application from CC1 and CC2 to the same T-HUB database on HC1. You need to identify one computer that will host the T-HUB database. This can be any desktop computer (running windows XP, vista, Windows 7) OR a Server computer running Windows Server operating system.

Installing and Configuring T-HUB on Host Server Computer HC1

- 1. Download and install T-HUB application and database on HC1 from <u>www.atandra.com/downloads/ThubInstaller.exe</u>
- 2. Open T-HUB application after installation. You will be prompted to select the T-HUB database. Select the option to Create a new T-HUB Server and Database and select all default options.
- 3. Open T-HUB application again and make sure you are able to open the application and login to T-HUB with default login and password.
- 4. Now click on Start > Programs > Microsoft SQL Server 2005 > Configuration Tools > SQL Server Surface Area Configuration



5. Click on Surface Area Configuration for Services and Connections

🗃 SQL Server 2005 Surface Area Configuration	
Microsoft SQL Server 2005 Help Protect Your SQL Server	Windows Server System
 Minimize SQL Server 2005 Surface Area SQL Server 2005 improves manageability and security by giving administrators more control over the and remote instances of SQL Server 2005. With the SQL Server 2005 Surface Area Configuration to: Disable unused services and network protocols for remote connections. Disable unused features of SQL Server components. For new installations, use these tools to enable required features, services, and network protocols the default. For upgraded instances, use these tools to identify and disable unused features, services, an Users with administrative privileges on Microsoft Windows Vista and later versions will no longer have privileges on this SQL Server installation by default. To explicitly add yourself as a SQL Server administerious will have a solution by default. 	surface area of local ols, you can easily: at are disabled by d protocols. e administrative istrator, click on the
Read more about configuring the SQL Server surface area.	
Configure Surface Area for localhost (change computer)	

6. Select THUBDBSERVER in list and click on Remote Connections. Set the option to enable local and remote connections using both TCP/IP and named pipes as shown below.

🐐 Surface Area Configuration for	Services and Connections - localhost	X
SQL Server 2005 Surface Help Protect Your SQL Server	Area Configuration	
Enable only the services and connection type protect your server by reducing the surface a Seject a component and then configure its ser	es used by your applications. Disabling unused services and connections helps rea. For default settings, see <u>Help</u> . vices and connections:	
Image: Service	y default, SQL Server 2005 Express, Evaluation, and Developer editions allow local ient connections only. Enterprise, Standard, and Workgroup editions also listen for mote client connections over TCP/IP. Use the options below to change the protocol n which SQL Server listens for incoming client connections. TCP/IP is preferred over amed pipes because it requires fewer ports to be opened across the firewall. Local connections only Local and remote connections Using ICP/IP only Using pamed pipes only Using both TCP/IP and named pipes 	8
	OK Cancel Apply Help	

- 7. Click on Apply and click OK to close this screen.
- 8. Restart the computer. This is not required but sometimes remote connections are allowed only after computer restart.

Name of Host computer

Follow these steps to note down the exact name of the computer on which you installed the THUB database server.

1. Click on Start > Programs > Accessories > System Tools > System Information

m Accessories	• 6	Accessibility	•	1
	1	Communications	- E	
	6	🛅 Entertainment		
	6	Microsoft Interactive Training	- E	1
	6	👔 System Tools	×	🛃 Backup
	0	🕽 Address Book		🔞 Character Map
	1	Calculator		💰 Disk Cleanup
	G	Command Prompt		💕 Disk Defragmer
		🗼 Notepad		嬼 🛛 Files and Settin
	1	🕴 Paint		🏉 Internet Explor
		🌶 Program Compatibility Wizard		🙆 Scheduled Task
	ę	j Synchronize		🗓 System Inform

2. Note the value of System Name under System Summary. This is the name of the Server Host computer where THUB database has been installed. In this example the name is HC1

System Information	ala		X
Elle Edit View Loois H System Summary Hardware Resources Components Software Environment Internet Settings Office 2003 Applications	elp Item OS Name Version OS Manufacturer System Name System Manufacturer	Value Microsoft Windows XP Professional 5.1.2600 Service Pack 3 Build 2600 Microsoft Corporation HC1 ECNOVO	~
i ⊡ Office 2007 Applications	System Type Processor BIOS Version/Date SMBIOS Version Windows Directory System Directory Boot Device	X86-based PC x86-based PC x86 Family 6 Model 15 Stepping 11 GenuineIr LENOVO 7LETA9WW (2.09), 12/27/2007 2.4 C:\WINDOWS C:\WINDOWS C:\WINDOWS\system32 \Device\HarddiskVolume1	
	Locale Hardware Abstraction Layer User Name Time Zone Total Physical Memory	United States Version = ''5.1.2600.5512 (xpsp.080413-2111 MJHA2008\Manish Jha Eastern Daylight Time 3,072.00 MB	~
Find <u>w</u> hat: Find <u>w</u> hat: Search selected category only	Search category names only	Find Close Find	

Installing T-HUB on Client Computers C1 and C2

1. Download and install T-HUB application and database on C1 from <u>www.atandra.com/downloads/ThubInstaller.exe</u>

- 2. Open T-HUB application after installation. You will be prompted to select the T-HUB database.
- 3. Select the option to connect to a Remote T-HUB database and click Next.
- 4. Click on the Server name drop down. You should see the THUBDBSERVER appear in list as HC1\THUBDBSERVER. If you select this item from list, the database name, database login and password will be automatically filled in. If you do not see the HC1/THUBDBSERVER in list then type in the following values
 - a. Server = HC1/THUBDBSERVER
 - b. Database = THUBDB
 - c. Login = sa
 - d. Password = sa\$123456
- 5. Click OK to connect to the remote database.
- 6. This will connect the T-HUB application to the THUB database running on host computer HC1.
- 7. Repeat the steps in this section for all other computers such as C2 in this example.

Troubleshooting - T-HUB application not connecting to the T-HUB database

If T-HUB application is not prompting for database connection and not opening even after the connection has been made, there could be two most common issues

- 1. T-HUB Database server on the Host computer that hosts THUB database is not running.
 - a. Click on Start > Run > services.msc and click OK

Run	? 🛛
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.
Open:	services.msc
	OK Cancel Browse

b. In the Services list, look for Service named "SQL Server (THUBDBSERVER)". Make sure the status is Started. If not right click on this service and click on Start

Name 🔺	Description Stat	us 🔄 Startup Type
🏶 Smart Card	Manages	Manual
🏶 SQL Server (MSSMLBIZ)	Provides s	Manual
SQL Server (THUBDBSERVER)	 Provides s Start 	ed Automatic
🏶 SQL Server Active Directory Helper	Enables in	Disabled
🏶 SQL Server Browser	Provides S Start	ed Automatic
SQL Server Integration Services	Provides Start	ed Automatic
SQL Server VSS Writer	Provides t Start	ed Automatic

- 2. Firewall on Server or Client computer is blocking access to the SQL Server database.
 - a. Close local firewall software on the Server computer and the T-HUB client computer
 - b. Open T-HUB application with local firewall softwares closed. If the connection works then the firewall is blocking T-HUB application. Depending on the firewall software used, you have to follow steps to unblock T-HUB application in your firewall settings.