



INSTALLATION GUIDE

CASAS
Technical
Support
800.255.1036

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Version 100917

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CASAS eTests Installation Supplements:

Installing and Activating ASP.NET for CASAS eTests on Windows Vista and Windows 7, pg. 26

Implementing ASP.NET on Microsoft Windows 2008 Server, pg.27

CASAS eTests Patch for Version 3.1, pg. 32

1. INTRODUCTION

This document provides the necessary information to install CASAS eTests on both client and server computers. It covers two main Operating Systems – Microsoft Windows 2003 Server and Microsoft Windows XP – and provides steps for each installation type.

- Note!**
1. If your Operating System is Microsoft Windows Vista, Microsoft Windows 7 or Microsoft Windows Server 2008, follow this Installation Guide to install CASAS eTests on your system and then follow the instructions from the annex that matches your Operating System.
 2. If your Operating System is Microsoft Windows Vista, Microsoft Windows 7 or Microsoft Windows Server 2008 (R2 edition included), you must turn off “User Account Control” service while installing CASAS eTests. Otherwise the installation may fail because of incompatibilities with some prerequisites that will install. You can safely turn the service back on after completing installation of CASAS eTests.
 3. Installation of Version 3.1 is a two-step process. First install V3.1 (Build 25) according to instructions on pages 2 through 23 of this Guide, then apply Patch 3.1.25b according to instructions on page 30. This patch applies to Form 513 and Form 514 in the V3.1 Reading for Language Arts series and to Form 38 in the Life & Work Math series (to correct minor errors in the build).

1.1 General Information

Application name: **CASAS eTests**
 Database: **SQL Server Express**
 User Interface: **C#**

1.1.1 Hardware and Software Requirements

Minimum System Configuration Requirements

	HARDWARE				SOFTWARE	
	<i>Processor</i>	<i>RAM</i>	<i>Disk Space</i>	<i>Monitor</i>	<i>Windows</i> †	<i>Browser</i>
Server	Pentium IV*	2 GB	5-80 GB	1024 x 768	XP / Vista / Server 2003 / Server 2008 / Windows 7	Internet Explorer 7.0
Client	Pentium IV*	512 MB	2 GB	1024 x 768	XP / Vista / Windows 7	Internet Explorer 7.0
Standalone	Pentium IV*	1.5 GB	5-30 GB	1024 x 768	XP / Vista / Windows 7	Internet Explorer 7.0

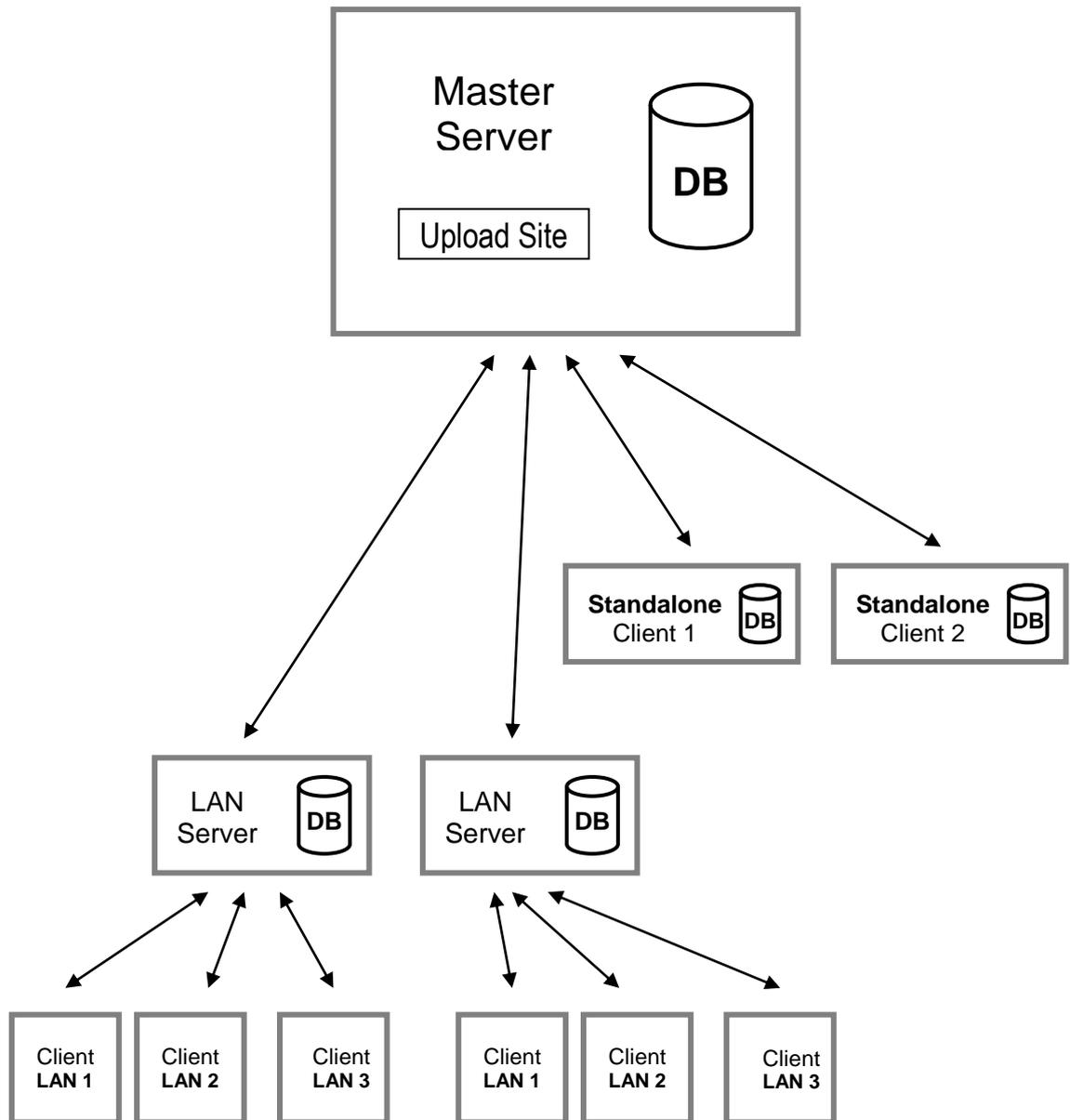
* or equivalent

† Call CASAS Tech Support (800.255.1036 ext.4) for assistance with the latest Windows operating systems (Vista, 7, Server 2008) installations if necessary.

Note! CASAS eTests application can be installed on 64bit Operating Systems also, starting with this release. The following 64bit Operating Systems are supported: Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008 (R2 editions included) and Windows 7.

Note! CASAS is unable to confirm support of systems other than those that meet the requirements above. CASAS eTests does not currently support implementation on a Novell network.

1.2 General Architecture

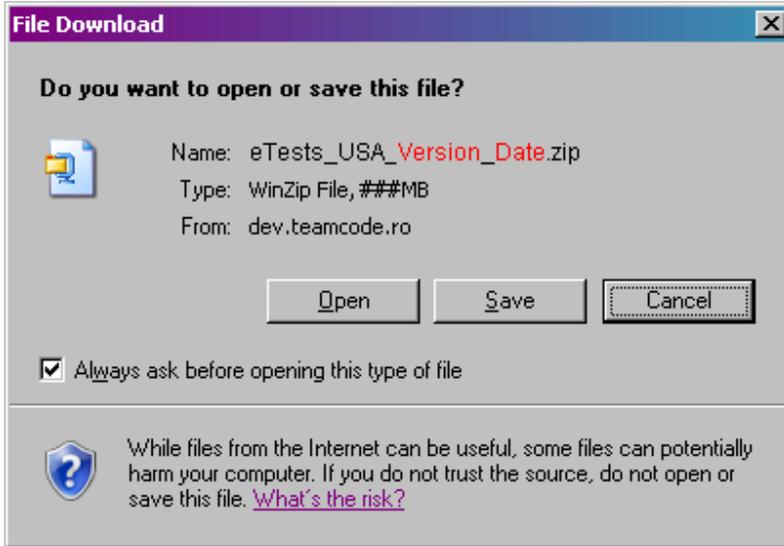


Note! Communication between LAN Servers and Standalone clients requires an Internet connection. The synchronization service will upload and download data on a daily basis.

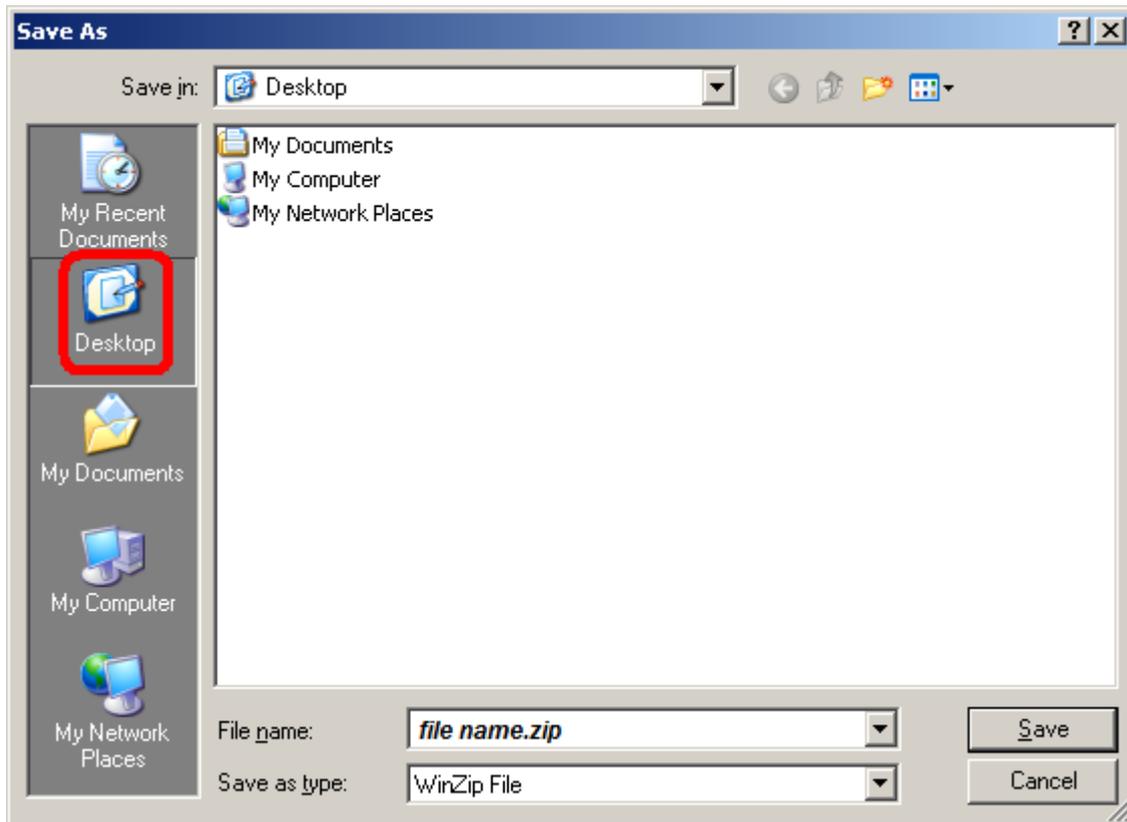
2. DOWNLOAD AND SETUP FOLDER

2.1 Download the Software

Note! If installing from a CD, skip to Section 3.
Click on the download link. A File Download window appears.



Click **Save**. Choose the location where you want to save (Desktop recommended).

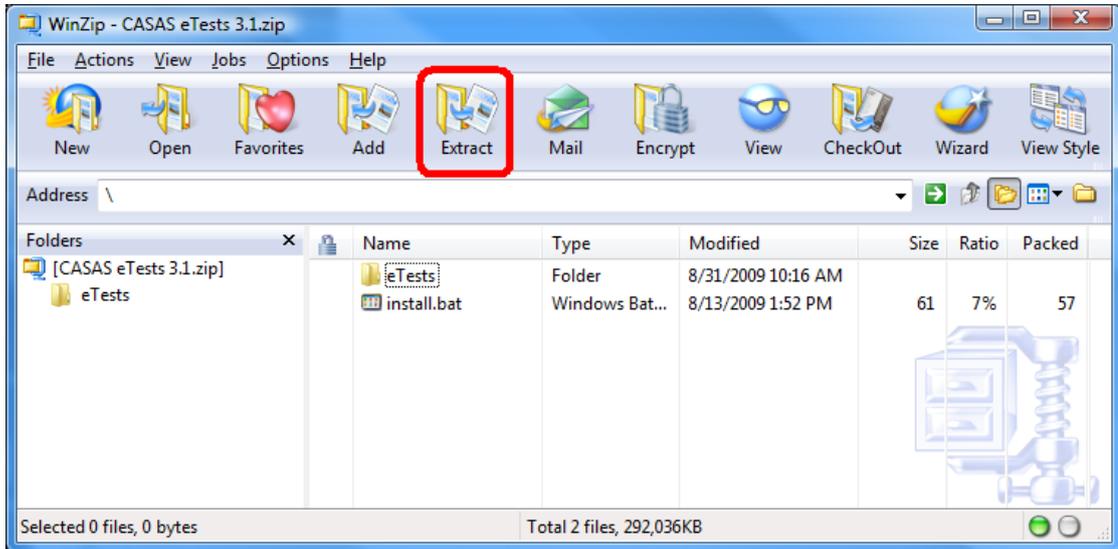


Close the window after the download is complete.

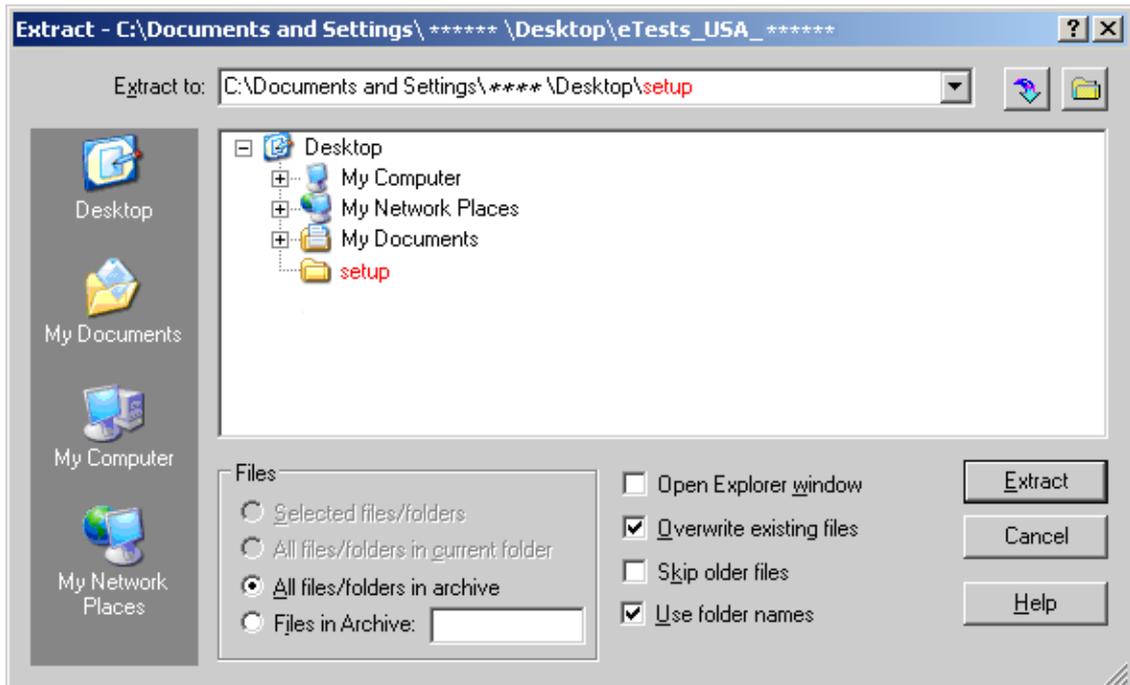
2.2 Extract to Setup Folder

Right click on your desktop and chose **new** then **folder**. Name the new folder **Setup**.

Double click the file **CASAS_eTest_Version.zip** that you downloaded to your desktop.



Click **Extract**.



Choose the *Setup* folder you created on your desktop and then click **Extract**.

The setup folder should now contain the following folders and files:

Name	Date modified	Type	Size
eTests	8/25/2009 2:32 PM	File Folder	
install.bat	8/13/2009 1:52 PM	Windows Batch File	1 KB

You can also burn these files to CD for client computer installation.

3. SOFTWARE INSTALLATION

3.1 LAN (Local Area Network) Server Installation

3.1.1 Firewall and Accessibility

If you have a series of computers connected in a LAN environment, the following conditions should be met in order to install the LAN version of the application:

- a. The server and clients should be located in the same LAN
- b. The clients have to be logged on with a domain user account
- c. If the LAN server has a firewall, following ports should be opened: TCP 1433 for SQL Server and TCP 139, TCP 445, UDP 137 and UDP 138 for file sharing.

Perform the following steps when installing the LAN Server version:

- a. If you are upgrading an existing installation, backup your database by clicking on the “CASAS eTests – Admin” icon to open the *Admin Module*. Login and click, **Security / Counter → Database Backup**. Backup your database to a safe place different than the installation folder. Logout and close the *Admin Module*.
- b. From either the setup folder you created on your desktop or from an install CD, double click on the file, *install.bat*.
- c. Prerequisite components may also be installed in the background (in case they are not already installed). The setup will notify you when the prerequisites have been installed and it can continue installing the application. The prerequisites are: *.Net Framework 2.0* and *SQL Server 2005 Express Edition SP1*.

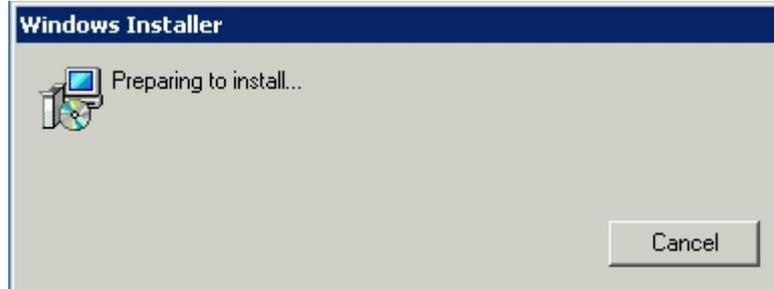
Note! Depending on the installation type and selected options during installation, the *SQL Server 2005 Express Edition SP1* may not install. Please read Section **3.2.f** for details.

- d. Follow the installation wizard and wait for the setup to complete. See Section **3.2** for a complete description of the installation wizard.
- e. Click on the “CASAS eTests – Admin” icon to open the *Admin Module* and login. If this is a new install or if you’re upgrading a version older than 2.4, an Admin Wizard will appear. Follow the instructions from the Admin Wizard (see Section **3.4** for a complete description of the Admin Wizard).
- f. Insert the dongle in order for LAN Clients to have access to the *Test Module*. See Section **4** for a complete description of dongle installation.

3.2 Installation Wizard

After launching *install.bat*, the installation starts by preparing the necessary files for the setup process to continue. These files are placed in a temporary folder that is deleted when the installation is complete.

- a. After unpacking the setup files, they are being loaded and executed.



Note! While the temporary files are being loaded, the setup will have no open window displayed for some time. Please wait until the next window appears. Do not restart the setup or the computer.

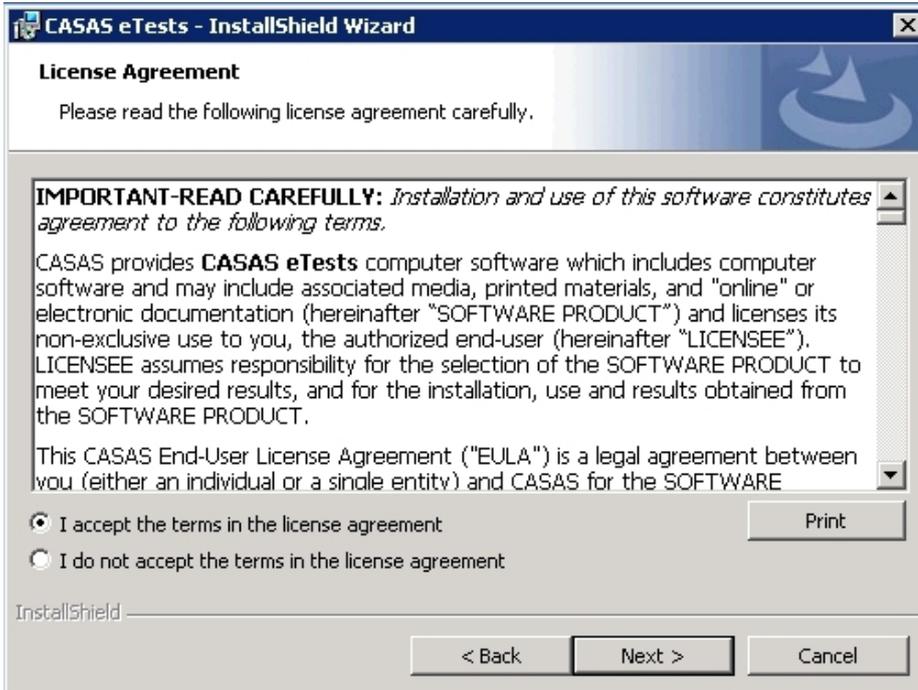
- b. The InstallShield Wizard starts with the Welcome screen:



Click **Next**.

- c. The CASAS EULA (End User License Agreement) now displays. Read it carefully and select “I accept the terms in the license agreement”, then click Next.

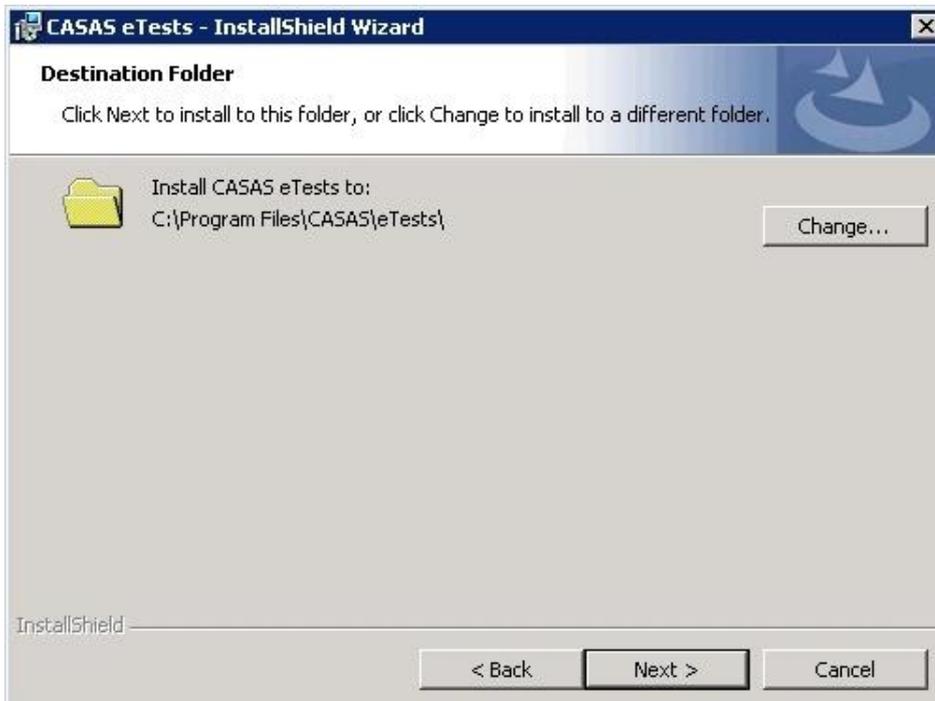
If you do not agree with the terms in the EULA, click **Cancel** to exit the installation wizard.



- d. The Destination Folder screen is where you chose the location to install CASAS eTests. To change the default path, click **Change**.

Note! CASAS recommends you leave the default path.

Then click **Next**.



- e. The following screen lets you choose the setup type.
For LAN Server installation, select “LAN Server” and then click **Next**.



Note! To install LAN Client, Standalone, or Database only (without the application itself): follow the directions in Sections 3.6, 3.7, and 3.8 respectively.

For more information about installing the Replication Server, please contact CASAS Tech Support at 800.255.1036 ext.4

- f. The setup includes a standard database support: *SQL Server 2005 Express Edition SP1* . You can select the “*SQL Express 2005*” option to install this default database support on machines that don’t have any type of database support already installed, or:

You can select “*Other SQL Server*” to skip the installation of the *SQL Server 2005 Express Edition SP1* (default option). If this second option is selected, the setup will not install the *SQL Server 2005 Express Edition SP1* for database support. This option will install the database on the database support currently installed on your machine.

Choose the second option only if you’re sure to have another database support installed, otherwise the setup will fail.



- g. After selecting the setup option, click **Next** and the wizard moves on to the Installing prerequisites screen. This screen informs you that the prerequisites installation can begin, and also which prerequisites need to be installed.

Click **Next** to continue.

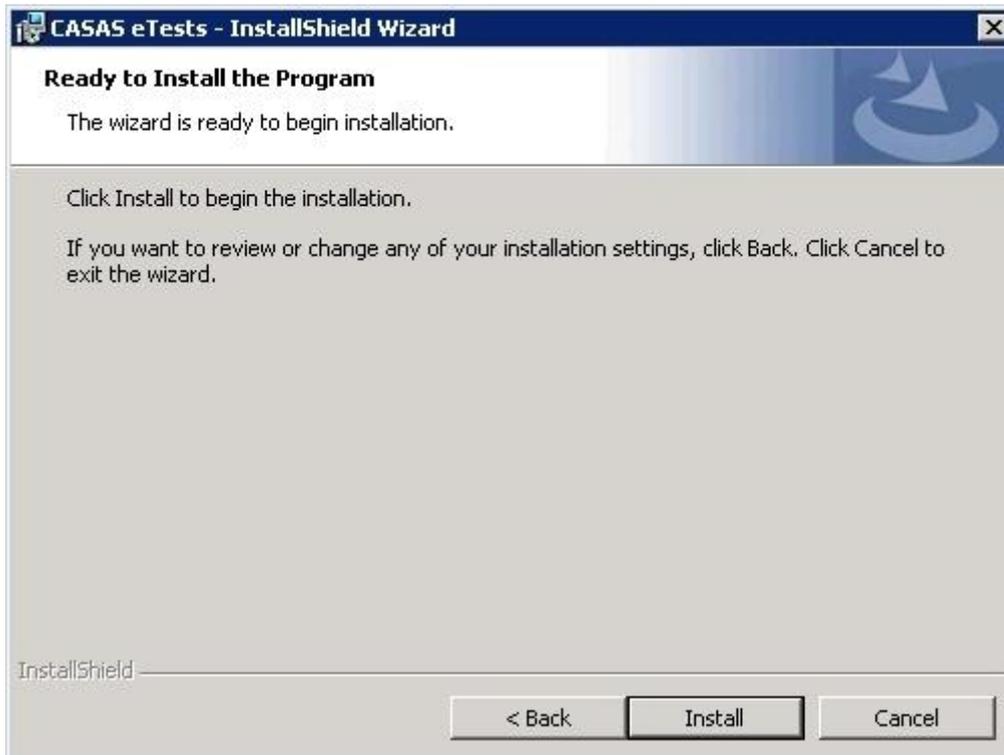


- h. Wait while the setup verifies if the prerequisites are already installed. If found missing, the setup will install the required prerequisite.

Note! If your operating system is Microsoft Windows Vista, Microsoft Windows 7 or Microsoft Windows Server 2008, a message will display during the dongle driver installation informing the user that Windows can't verify the publisher of the driver software. The user must choose to install the driver or not. Select "Install this driver software anyway" to continue the installation.



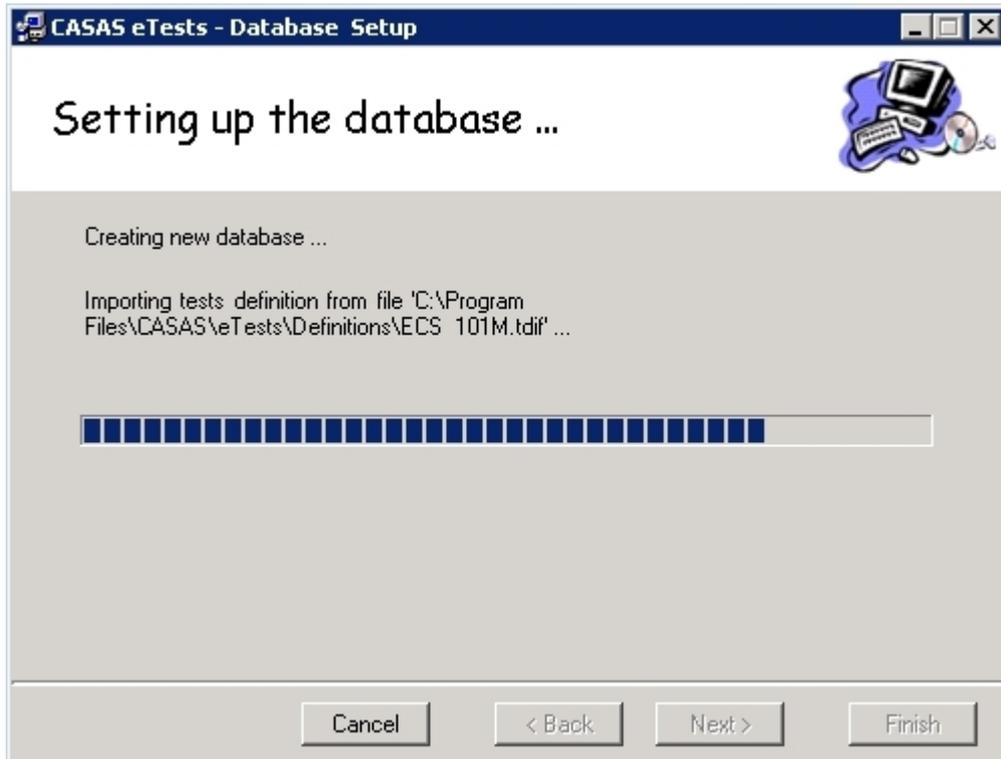
- i. When the prerequisite installation is complete, the setup displays a new window stating the installation can continue with the application files. Click **Install** to continue.



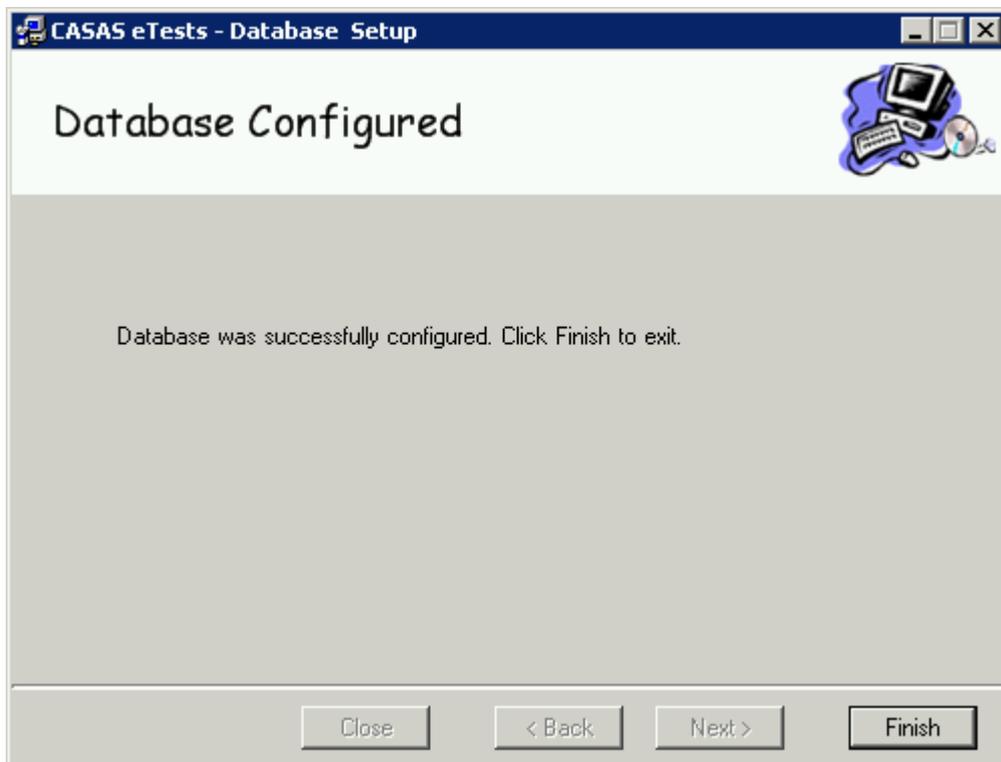
- j. The setup creates the folders tree and installs the application files.



- k. Setup opens a new window to monitor the installation / upgrade of the database.



- l. Click **Finish** in the database configuration window to close and continue the installation process.



- m. Setup is now complete. Click **Finish** in the setup window to finish the installation.



3.3 Windows Firewall Exceptions

These steps apply to the version of Windows Firewall that is included in Windows XP Service Pack 2 (SP2) and in Windows Server 2003. If you are using a different firewall system, see your firewall documentation for more information.

If you are running a firewall on the computer that is running SQL Server 2005, external connections to SQL Server 2005 will be blocked unless SQL Server 2005 and the SQL Server Browser service can communicate through the firewall. For this to be possible, you must first create an exception for each instance of SQL Server 2005 that you want to be able to accept remote connections and create an exception for the SQL Server Browser service.

SQL Server 2005 uses an instance ID as part of the path when you install its program files. To create an exception for each instance of SQL Server, you must identify the correct instance ID. To obtain an instance ID, follow these steps:

- a. Click Start, point to Programs, point to Microsoft SQL Server 2005, point to Configuration Tools, and then click SQL Server Configuration Manager.
- b. In SQL Server Configuration Manager, click the SQL Server Browser service in the right pane, right-click the instance name in the main window, and then click Properties.
- c. On the SQL Server Browser Properties page, click the Advanced tab, locate the instance ID in the property list, and then click OK.

To open Windows Firewall, click **Start**, click **Run**, type **firewall.cpl**, and then click **OK**.

3.3.1 Create Exception for SQL Server 2005

To create an exception for SQL Server 2005 in Windows Firewall, follow these steps:

- a. In Windows Firewall, click the **Exceptions tab**, and then click **Add Program**.
- b. In the Add a Program window, click **Browse**.
- c. Click the C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Binn\sqlservr.exe executable program, click **Open**, and then click **OK**.

Note! The path may be different depending on where SQL Server 2005 is installed. MSSQL.1 is a placeholder for the instance ID that you obtained in step **c.** of the previous procedure (3.3.1).

3.3.2 Create Exception for SQL Server Browser Service

To create an exception for the SQL Server Browser service in Windows Firewall, follow these steps:

- a. In Windows Firewall, click the **Exceptions tab**, and then click **Add Program**.
- b. In the Add a Program window, click **Browse**.
- c. Click the C:\Program Files\Microsoft SQL Server\90\Shared\sqlbrowser.exe executable program, click **Open**, and then click **OK**.

Note! The path may be different depending on where SQL Server 2005 is installed.

3.4 Configure SQL

After the first installation of the LAN server you must configure SQL to allow remote connections to the database server, using “SQL Server Configuration Manager”.

Click on **Start → Programs → Microsoft SQL Server 2005 → Configuration Tools → SQL Server Configuration Manager**.

On the left side, double click **SQL Server 2005 Network Configuration**

Click on **Protocols for SQLEXPRESS**

Right click on **TCP/IP** on the right side and select **Enable**.

Right click on **Shared Memory** and select **Disable**.

Right click on **Names Pipes** and select **Disable**.

Right click on **TCP/IP** again and select **Properties**.

Click on the **IP Addresses** tab.

Under **IP1**, locate the **Enabled** and click on **No** to change it to **Yes** and then click **OK**.

On the left side, click on **SQL Server 2005 Services**.

On the right side, right click on **SQL Server (SQLEXPRESS)** and select **Properties**.

Click the **Service** tab and locate the **Start Mode**.

If necessary, click on **Disabled** to change it to **Automatic** and click **apply**.

Click the **Log On** tab, select **Built in account: Local System** and click **Restart** or **Start**.

After the service starts, click on **OK**.

Right click on **SQL Server Browser** and select **Properties**.

Click the **Service** tab and locate the **Start Mode**.

If necessary, click on **Disabled** to change it to **Automatic** and click **apply**.

Click the **Log On** tab, select **Built in account: Network Service** and click **Restart** or **Start**.

After the service starts, click on **OK**.

Close the window.

Verify that the ASP.NET State Service is configured

Open **Control Panel > Administrative Tools > Services**.

Locate and double click on **ASP.NET State service**.

Select **Automatic** as the **Startup Type**.

If the **Service status** is not **Started**, click on the **Start** button.

After the service starts, click the **OK** button and then close the **Services** window.

3.5 Admin Wizard

Note! If your Operating System is Microsoft Windows Vista or Microsoft Windows 7, it's important to also read *Annex 1 – Implementing ASP.NET on MS Vista Operating System* before proceeding further.

Click on the “CASAS eTests – Admin” icon to open the *Admin Module* and login.

During initial installation of CASAS eTests (or during upgrades of a version older than 2.4), an initial wizard will appear when the installer first launches the Admin Module. This initial wizard requires the following information:

- | | | |
|---|---------------------------|--|
| 1 | State | Select appropriate state |
| 2 | Agency Type | WIA Title II Agencies or others |
| 3 | Agency ID and Name | Name and ID of the default agency <ol style="list-style-type: none"> a. Agency ID should be noted on a card included with CASAS eTests package materials (if not, please contact CASAS Tech Support). If you intend to export CASAS eTests data to TOPSpro, Agency ID <u>number must be the same</u> in both applications. b. If <u>upgrading</u> a CASAS eTests version older than 2.4, all existing Sites, Classes, Students and Test records will be assigned in this default Agency. |
| 4 | Site ID and Name | Name and ID of the default site. <ol style="list-style-type: none"> a. Select one of the existing Sites (if any), or add a new Site by choosing <i>New site</i> from drop down list. b. All new students and test records are assigned to this default Site. c. If <u>upgrading</u> a CASAS eTests version older than 2.4., all existing Sites will automatically be assigned with an ID. You can change the default Site ID from <i>Admin panel – Agency Settings – Sites – Edit/View Site</i>. All existing Students and Test records without a Site are assigned to the default site. All existing Students and Test records already assigned in a Site will be kept in that Site. See Upgrade table in Item 5 (Class ID and Name) below. d. The link between a Test record and a Site is permanent and cannot be changed. |
| 5 | Class ID and Name | Name and ID of the default class. <ol style="list-style-type: none"> a. Select one of the existing Classes (if any) or add a new Class by choosing <i>New Class</i> from the drop down list. b. All new test records are assigned to this default Class. c. If <u>upgrading</u> a CASAS eTests version older than 2.4, all existing Classes will automatically be assigned with an ID. You can change this ID from <i>Admin panel – Agency Settings – Sites – View Classes – Edit/View Class</i>. All existing Test records without a Class are assigned to this default Class. All existing Students and Test records already assigned in a Class will be kept in that Class. See Upgrade table below. |

d. Choose 9999 — No class when existing Test records are coming from different classes.

<i>(eTests version 2.3 or older)</i> Assigned in Class?		<i>(Current eTests version)</i> What happens with existing Students and Test records?	
Student	Test	Student Placement	Test Placement
Yes	Yes	Class' site	Existing Site/Class
Yes	No	Class' site	9999 — no class
No	Yes	Default site*	Existing Site/Class
No	No	Default site*	Default Class*

* Defined in the wizard.

6 Instructional Program

Name of instructional program.

- a. Select one of the existing Instructional Programs or choose No Program.
- b. All new Test records will be assigned in this Instructional Program.
- c. If upgrading a CASAS eTests version older than 2.4, all existing Test records will be assigned in the default Instructional Program.
- d. Choose No program when existing Test records are coming from different programs.

7 Workstation Name

Name of your computer. This information is useful during data synchronization.

3.6 LAN Client Installation

Perform the following steps when installing or upgrading the LAN Client version:

- a. From either the setup folder you created on your desktop or from an install CD, double click on the file, *install.bat*.
- b. Prerequisite components will also be installed in the background (in case they are not already installed). The setup will notify you when the prerequisites have been installed and it can continue installing the application. The prerequisites are: .Net Framework 2.0 and VFPOLEDB provider.

Note! When you select installation type “LAN Client”, the setup automatically skips the database installation because the LAN Client connects to the LAN Server’s database. The prerequisite “SQL Server 2005 Express Edition SP1” does not install because there is no need.

- c. Follow the first five steps from the installation wizard (see Section 3.2 for a complete description of installation wizard).
- d. During the installation wizard select “LAN Client” when prompted to select installation type.
- e. The application will prompt you to provide the LAN Server’s name, instance type (database support type):

Note! Do not use backslash characters (\\) before the server name.

- f. The setup also prompts for the database authentication type. If “Windows Authentication” is selected, you can click **Next** to continue the installation. If “SQL Authentication” is checked, you must provide a username and password before proceeding.
- g. Click on the “CASAS eTests-Admin” icon to open the Admin Module and login. An Admin Wizard may appear in case the LAN Server Admin Wizard was not completed. See Section 3.5 for a complete description of the Admin Wizard.

- h. Before opening the “CASAS eTests” Test Module, make sure the LAN Server has the dongle inserted. See Section 4 for a complete description of dongle installation.

3.6.1 Installation of LAN Client over Standalone Client

Perform the following steps when installing a LAN Client over a Standalone Client:

- a. Click on the “CASAS eTests – Admin” icon to open the Admin Module. Login and click, **Security / Counter -> Database Backup**. Backup your database to a safe place different than the installation folder. Logout and close the Admin Module.
- b. Install LAN Client version following the instructions from Section 3.6.
- c. Click on the “CASAS eTests – Admin” icon to open the Admin Module and login.

Your database is now connected to the server. You will see all data from the LAN Server.

3.7 Standalone Client Installation

Install Standalone Client application on computers with direct access to Internet.

Perform the following steps:

- a. If you are upgrading an existing installation, backup your database by clicking on the “CASAS eTests – Admin” icon to open the *Admin Module*. Login and click, **Security / Counter → Database Backup**. Backup your database to a safe place different than the installation folder. Logout and close the *Admin Module*.
- b. From either the setup folder created on your desktop or from an install CD, double click on the file, *install.bat*.
- c. Prerequisite components will install in the background (in case they are not already installed). The setup will notify you when the prerequisites are installed and it can continue installing the application. The prerequisites are: *.Net Framework 2.0* and *SQL Server 2005 Express Edition SP1*.

Note! Depending on the installation type and selected options during installation, the *SQL Server 2005 Express Edition SP1* may not be installed. Please read Section 3.2.f for details.

- d. Follow the installation wizard and wait for the setup to complete. See Section 3.2 for a complete description of installation wizard.
- e. Click on the “CASAS eTests – Admin” icon to open the “*Admin Module*” and login. If this is a new install or if you’re upgrading a version older than 2.4, an Admin Wizard will appear. Follow the instructions from the Admin Wizard (see Section 3.4 for a complete description of the Admin Wizard).
- f. Before opening the “CASAS eTests” Test Module, insert the dongle. See Section 4 for a complete description of dongle installation.

3.7.1 Installation of Standalone Client over LAN Client

Perform the following steps when installing a Standalone Client over a LAN Client:

- a. Click on the “CASAS eTests – Admin” icon to open the “*Admin Module*”. Login and click, **Data Exchange → Data Synchronization → Export**. Choose a period of time long enough to capture all your data. Export data and save the file to your desktop.
- b. Logout and close the *Admin Module*.
- c. Install Standalone Client version following the instructions from Section 3.7.1.
- d. Open “CASAS eTests – Admin” Module. The database will be empty, because is located on your local computer. If you want to import the previously exported data, go to **Data Exchange → Data Synchronization → Import**. Locate and select the previous exported *.dat file on your desktop and import it into the application.

3.8 Database Only Installation

Perform the following steps when installing the database only:

- a. From either the setup folder created on your desktop or from an install CD, double click on the file, *install.bat*
- b. Prerequisite components will install in the background (in case they are not already installed). The setup will notify you when the prerequisites are installed and it can continue installing the application. The prerequisites are: *.Net Framework 2.0* and *SQL Server 2005 Express Edition SP1*.
- c. Follow the installation wizard and wait for the setup to complete. See Section 3.2 for a complete description of installation wizard.
- d. When the installation is complete, there will be no icon shortcuts on the desktop or any other way to start the application, as only the database structure and the files it requires installed.

4. KEYLOK AND DONGLE MANAGEMENT

4.1 Keylok

KEYLOK is a third party application for dongle management. The installer starts automatically. (It is built into the CASAS eTests install kit). The operating system does not display the KEYLOK installer window. It displays a message informing the user a window was not displayed. The user can click the message / button in this display. A background screen displays with the KEYLOK installer. The user can choose to install the application or cancel it, and then return to desktop.

KEYLOK might try to install after you install CASAS eTests and a user is logging on.



Follow these steps to complete the installation:

1. Click **Next** to start the installation.
2. Wait until the installer finishes copying the required dongle drivers.
3. When the installation is complete, click **Finish** to exit the installer.



4.2 First Time Dongle Installation

If the dongle is not installed, a warning message displays when the application's Test Module opens.

The security dongle is not connected or it is not valid.

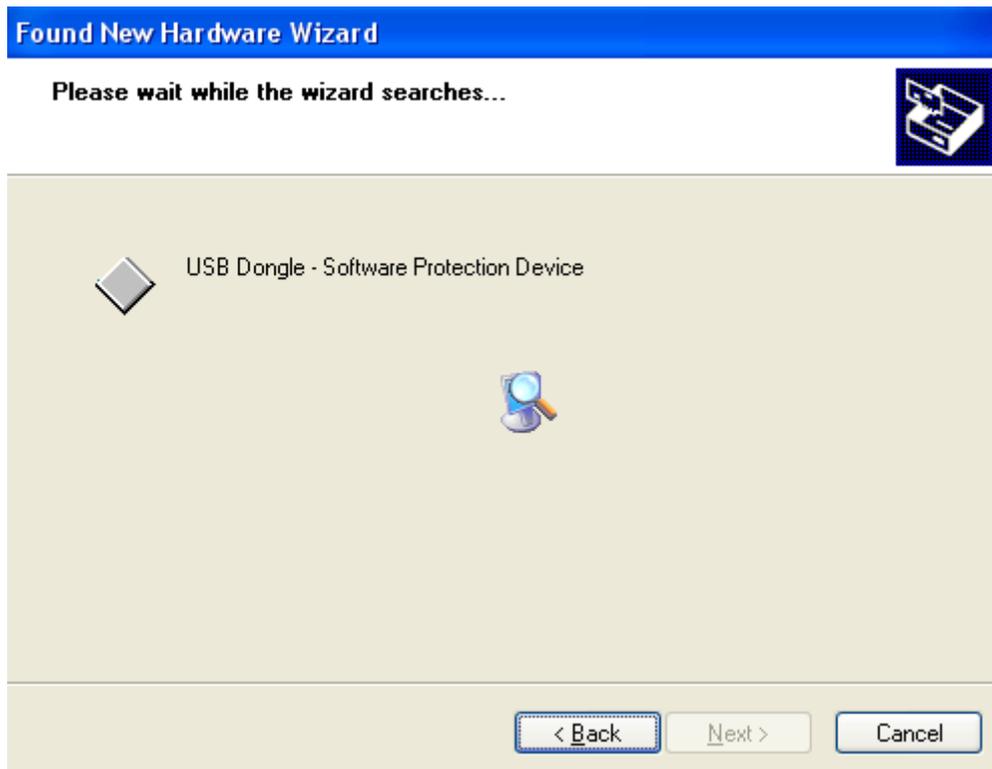
Insert the dongle into a USB Port on the computer where the database resides.

If you are not an administrator at that computer, a login window appears. You must login as an administrator to continue installing the dongle.

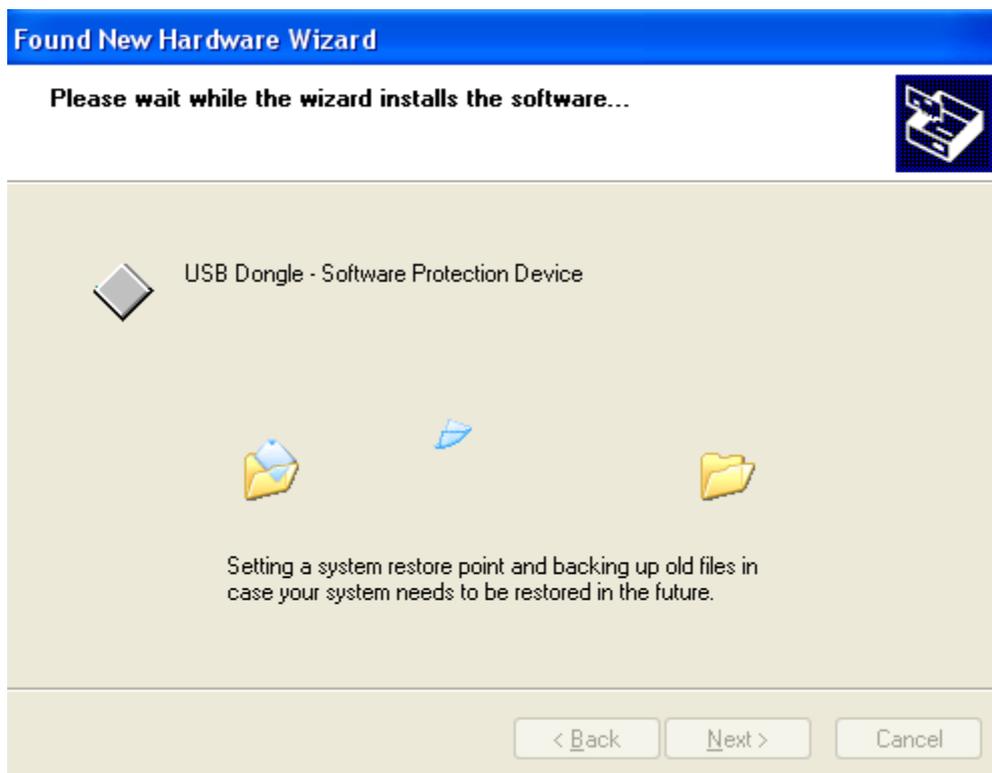
If username and password are valid, a hardware wizard appears.



Click **Next** and wait while the wizard searches for the drivers.



Next, the wizard installs the driver automatically or as specified from a list or location.



The last page of the wizard informs you that the dongle is installed.



Click **Finish** to close the window.

4.3 Reinserting a Dongle

When reinserting a dongle in a USB port other than the one used the first time, the wizard process does not repeat. Instead, two notifications appear:

- a. Found new hardware:



- b. Installing USB device automatically:



Note! CASAS does *not* recommend changing USB ports after the software is installed.

Installing and Activating ASP.NET for CASAS eTests on Windows Vista and Windows 7

The ASP.NET service is now part of the Vista / 7 OS and no longer automatically installs during installation of CASAS eTests.

I. Installing ASP.NET

- a. Open the **Control Panel** by clicking **Start** then either **Control Panel** or **Settings > Control Panel**.
- b. If **Control Panel Home** view is selected, click on **Uninstall a program**.
In case **Classic View** is selected, double click on **Programs and Features**.
- c. When the **Uninstall or change a program** screen is displayed, Select **Turn Windows features on or off** from left task panel.
Note: If User Account Control is active, a popup window is displayed and the user must press the **Continue** button.

A new window displays the installed and active features in Windows.
- d. Find **Internet Information Services** and click on the icon to expand it.
- e. Click on for **Web Management Tools** to expand it.
- f. Check the boxes for **IIS Management Console** and **IIS Management Service**.
- g. Click on for **World Wide Web Services** to expand it.
- h. Click on for **Application Development Feature** to expand it.
- i. Check the boxes for **.NET Extensibility, ASP** and **ASP.NET**.
- j. Click on for **Security** to expand it.
- k. Check the box for **Basic Authentication**.
- l. Find **Microsoft .NET Framework 3.5** and click on the icon to expand it.
- m. Check all boxes.
- n. Click the **OK** button to close the window.

If asked, choose to restart your computer now.

II. Activating ASP.NET

- a. Open **Control Panel > Administrative Tools > Services**.
Note: If User Account Control is active, a popup window is displayed and the user must press the **Continue** button.
- b. Locate and double click on **ASP.NET State service**.
- c. Select **Automatic** as the **Startup Type**.
- d. If the **Service status** is not **Started**, click on the **Start** button.
- e. After the service starts, click the **OK** button and then close the **Services** window.

The ASP.NET service is now up and running.

Your CASAS eTests application should now run successfully.

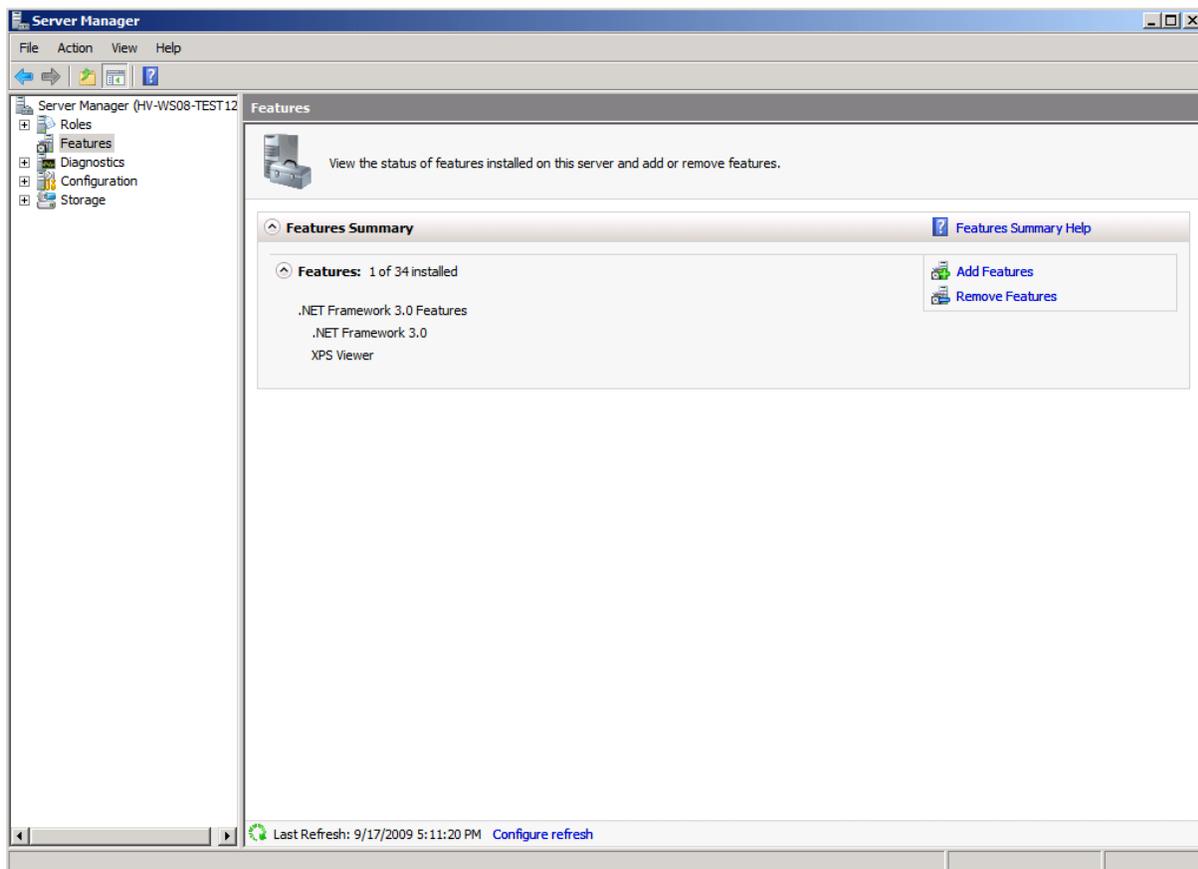
Implementing ASP.NET on Microsoft Windows 2008 Server

To have CASAS eTests installed and functional on Microsoft Windows 2008 Server, the ASP.NET service must be installed and activated. This supplemental procedure should be implemented by experienced onsite IT staff working with CASAS Tech Support.

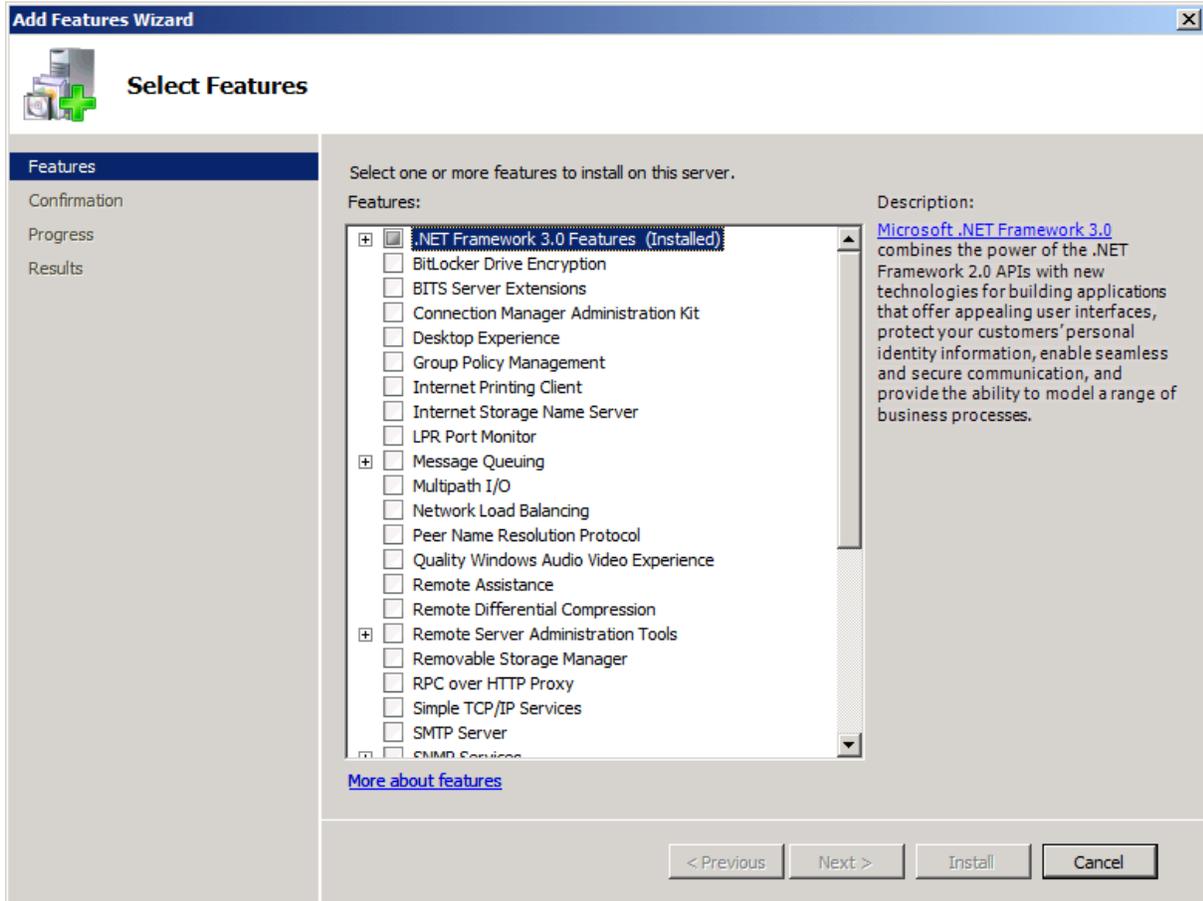
Please note that the screenshots displayed in this document were taken on a computer where Microsoft Windows 2008 Server was just installed. The onsite settings displayed might differ.

1. In order to install the ASP.NET service, follow the steps below:

- a. Open Server Manager Console. You can do this by clicking the shortcut from the quick launch bar or from opening Control Panel, selecting Programs and Features and then the option “Turn Windows features on or off”
- b. Open Features Summary window. Click on the “Features” option, in the left panel of the console. The Features Summary window is now displayed in the main panel.



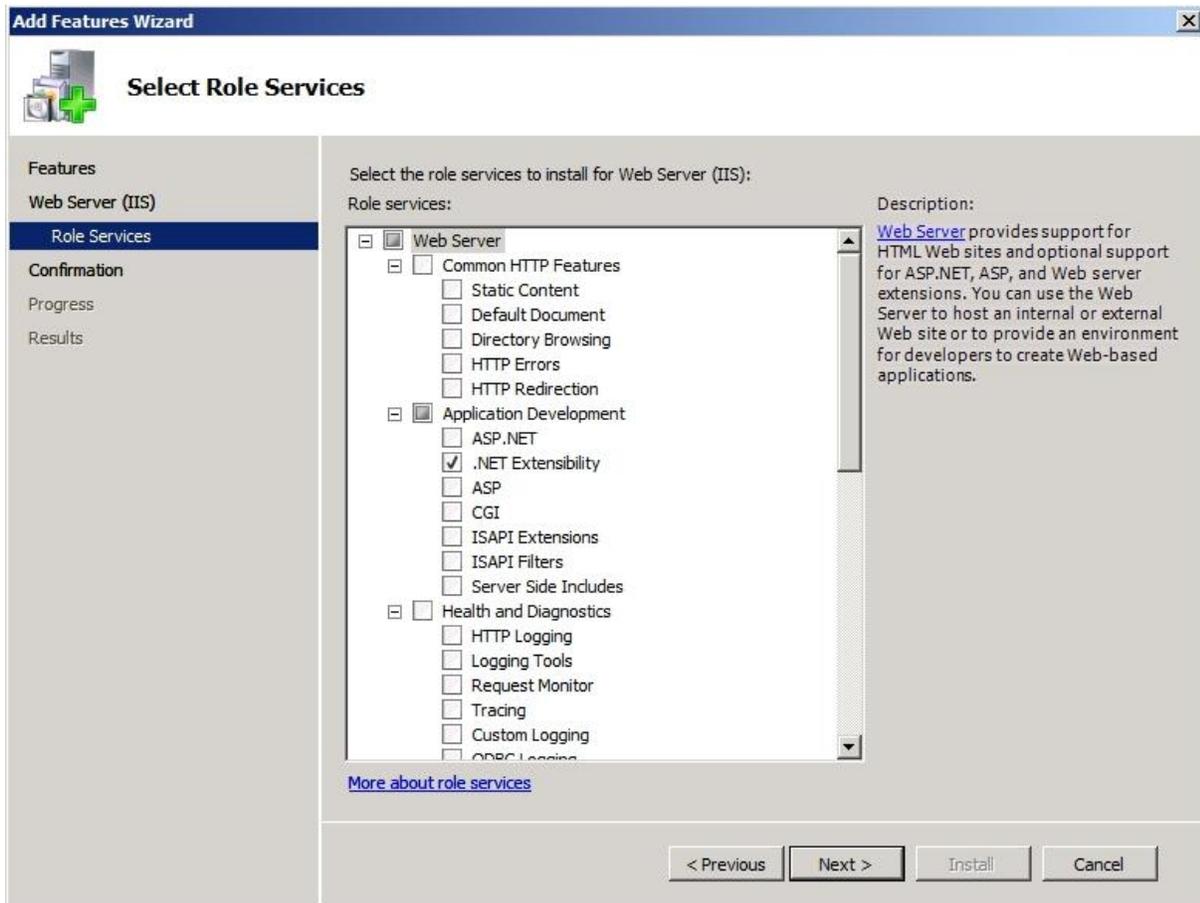
- c. Start the Features Wizard. Click on “Add Features” and the Features Wizard will open up.



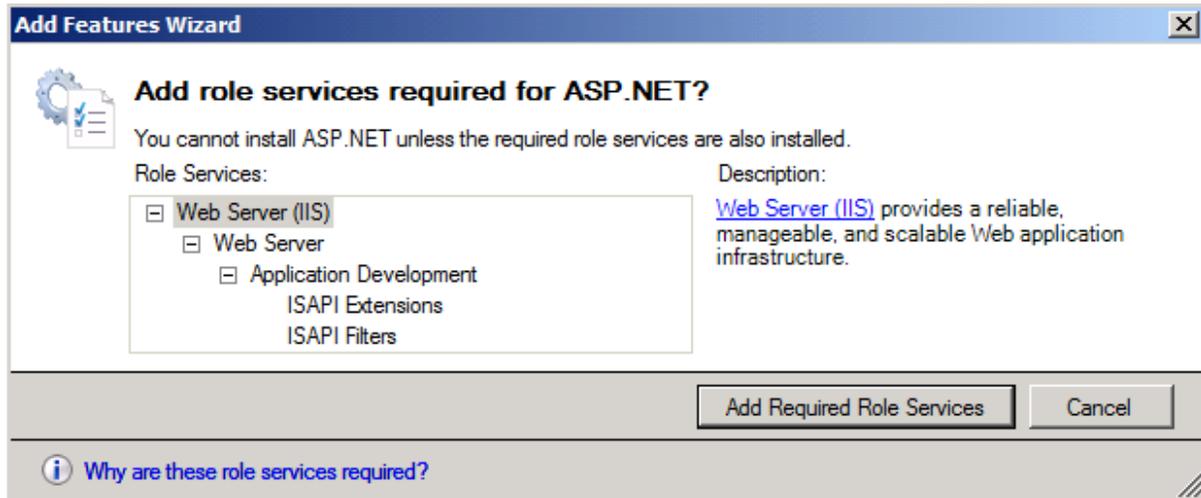
- d. Find and expand “.Net Framework 3.0 Features”, then expand “WCF Activation”. Click the checkbox in front of “HTTP Activation”. The Add Role Wizard is displayed
- e. Add Web Server (IIS) role to the server’s roles list. In the new Add Role Wizard displayed, click the option “Web Server (IIS)” and press the button “Add Required Role Service



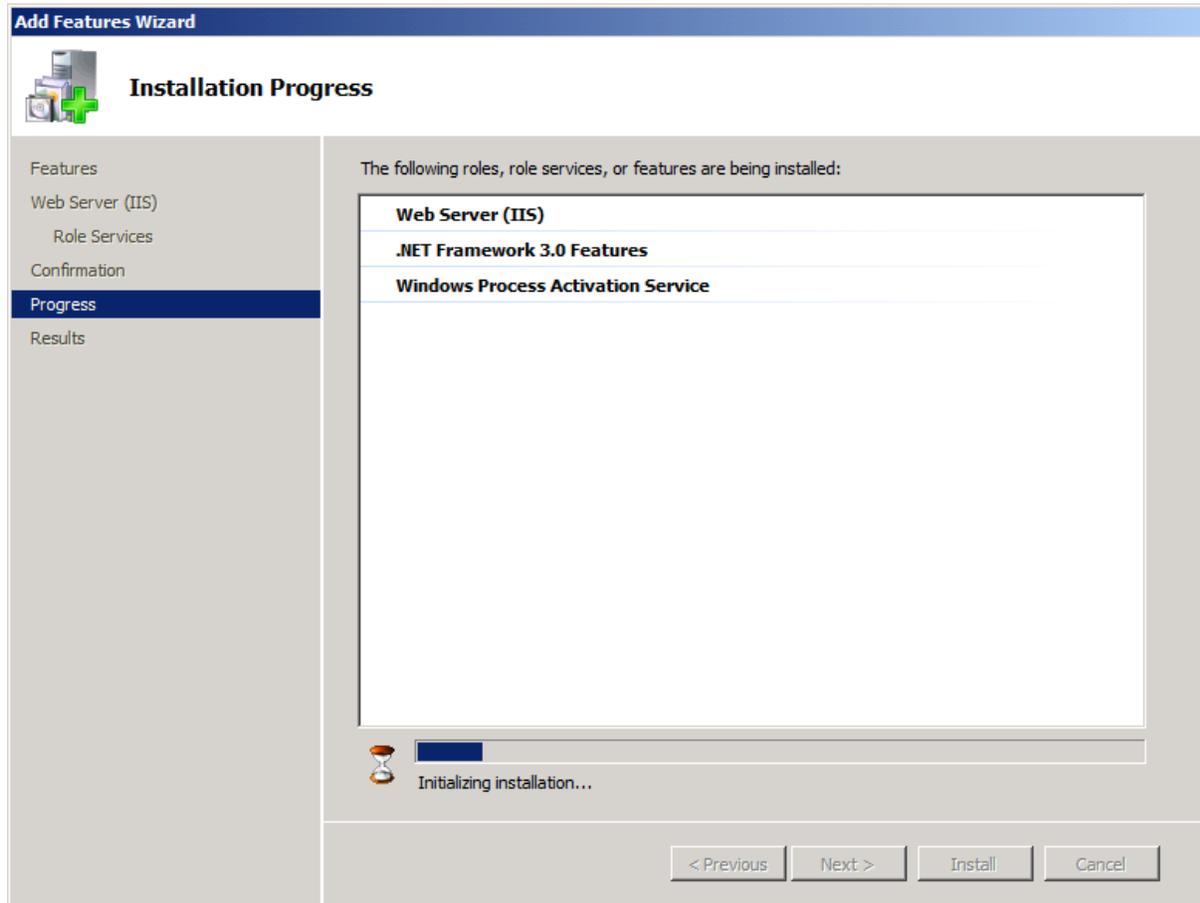
f. Move to Select Role Services screen by pressing the “Next” button two times.



- g. Check ASP.NET checkbox to install the service when the wizard is completed. Again, Add Roles Wizard is displayed. Press “Add Required Role Services” button and all necessary services will be automatically checked.



- h. Scroll down to Security category and check “Basic Authentication”.
- i. Press “Next” to reach the Confirmation Page. Review any roles, services or features if needed.
- j. Press “Install” to start the installation of the selected roles and services.



- k. The “Installation Result” screen is displayed when the installation process is completed. Press “Close” to exit the wizard. The new roles and services will be displayed in the main panel.

2. In order to activate ASP.NET service, follow the steps below:

- a. *Open Server Manager Console.* You can do this by clicking the shortcut from the quick launch bar or from opening Control Panel, selecting Programs and Features and then the option “Turn Windows features on or off”.
- b. Click and expand the “Configuration” category in the left panel.
- c. Click on “Services”. The list of installed services will be displayed in the main panel.
- d. Locate “ASP.NET State Service”. Double click on this service and choose startup type Automatic. In case the Service status is not Started, click on Start button. Click OK button. Window will close.

The ASP.NET service is now up and running on Microsoft Windows 2008 Server. You can now successfully run your CASAS eTests application. Please read CASAS eTests Installation Guide and CASAS eTests User Guide for details on how to install and run the application.

CASAS eTests Patch For Version 3.1

This patch overwrites Forms 513/514 and Form 38 in CASAS eTests V3.1 Reading for Language Arts.

1. Extract the file **eTestsPatch3.1.25b.zip** to the desktop of your installation (either Server or Client).
2. Double click on the extracted file: **eTestsPatch3.1.25b.exe**; the patch locates your CASAS eTests installation and upgrades accordingly. A confirmation message displays when the upgrade is complete.

Notes:

- a. Install this file **on both** Server and Client machines.
- b. Apply this file **only** over a CASAS eTests Version 3.1.25 installation.
- c. Apply the patch only when there is **no CASAS eTests activity in progress** on server or client machines.
- d. Applying the patch creates 2 log files in the installation folder:
 - i. PatchLog file – describes steps performed
 - ii. PatcheTests file – lists students and tests affected

Contact CASAS Technical Support if you require additional assistance:

techsupport@casas.org / 800-255-1036 extension 4.