

# Enterprise Surveillance Manager

system administrator manual | version 5.4



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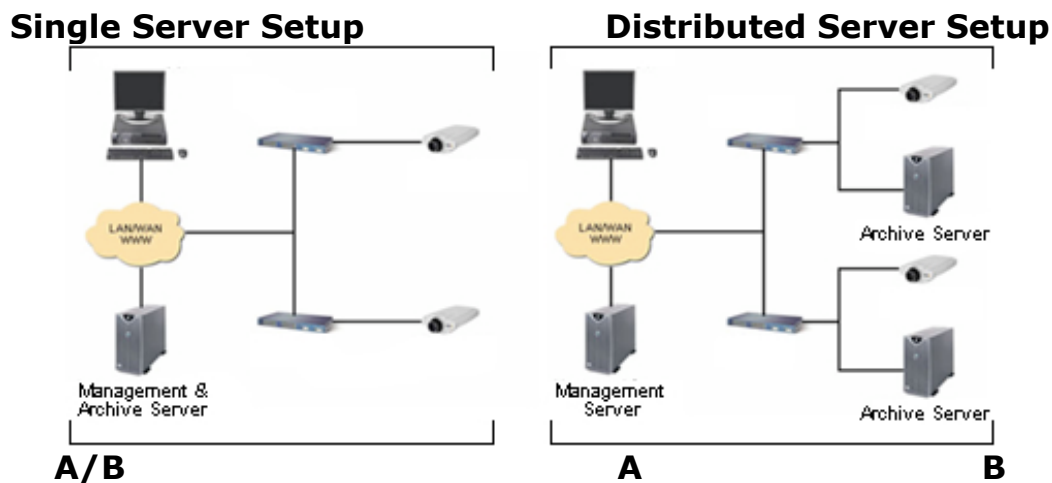
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## Pre-Installation Guide with Windows 2008 Server & Microsoft SQL 2008 Express

This document provides detailed instructions on setting up a Microsoft Windows 2008 Server and installing all of the Pre-Requisites that are required by Microsoft and ipConfigure for use with ESM 5.4. The Installation guide utilizes screen shots for a step by step walk through on setting up the server correctly with Internet Information Services (IIS), Powershell, Windows Desktop Experience, Streaming Media Services and Microsoft SQL 2008.



### SINGLE SERVER SETUP

#### PART A: SERVER SETUP

Ensure supported version of Windows Server 2008 operating system is installed

1. Install Internet Information Services (IIS)
  - a. Install (IIS) before the .net frame work versions, the .net frameworks write information on the server and register into IIS during install.
 

**Note:** Do not Install IIS and SQL at one sitting, reboot after each item, and install them one at a time and perform Windows Updates after each item is installed.
  - b. Validate Active Server Pages
  - c. Validate ASP.NET
2. Install Windows Features (Powershell and Desktop Experience)
3. Install Windows Media Services
4. Ensure .NET Framework 2.x (included in W2K3 SP 2)
5. Ensure .NET Framework 3.5 (includes 2.0 updates)
6. Ensure .NET Framework 4.0
7. Install ADO.NET Data Services Update for .NET Framework 3.5 SP1 for Windows 7 and Windows Server 2008 R2 (<http://www.microsoft.com/en-us/download/details.aspx?id=2343>)
8. Windows Update until no more updates available
9. Install SQL 2008 Express
10. Validate SQL TCP/IP
11. Install Flash 10 or higher
12. Configure Virus Scan to exclude archive storage directory
13. Turn-off 'Indexing' on storage drives
14. Enable 'ActiveX download' and enable 'File Download' in the Internet Explorer security settings.

Note: To ensure cameras have the correct time documented on videos, the archive server must be setup as an authoritative time server. The Windows Time Service ensures that a common time is used. For more information on how to configure the time server to ensure an accurate time display, visit <http://support.microsoft.com/kb/816042> for the latest support documentation.

## **PART B: CLIENT WORKSTATION SETUP**

1. Install [Adobe Flash](#) 10 or higher
2. Enable 'ActiveX download' and enable 'File Download' in the Internet Explorer security settings.

To get ActiveX enabled, you will have to go to Internet Options, then select Security; for Internet and Local Intranet, select Custom Level...

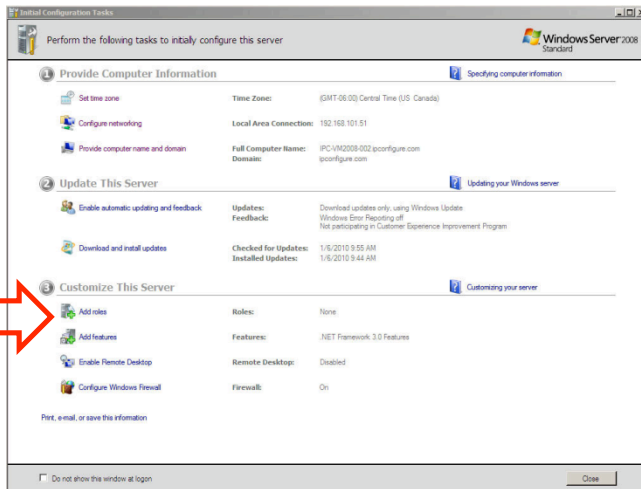
- 1.) Enable 'ActiveX download' and enable 'File Download' in the Internet Explorer security settings.
  - A. Enable: Allow previously unused ActiveX controls to run without prop
  - B. Enable: Allow Scriptlets
  - C. Enable: Display video and animation on a webpage that does not use external media player
  - D. Prompt: Download signed ActiveX controls
  - E. Enable: Run ActiveX controls and plug-ins
  - F. Enable: Script ActiveX controls marked safe for scripting\*
  - G. Enable: Automatic prompting for file downloads
  - H. Enable: File download
  - I. Enable: Font download

This will have to happen on each workstation/server that you will want to view the Matrix or Archive on, along with making sure that Adobe Flash is installed.



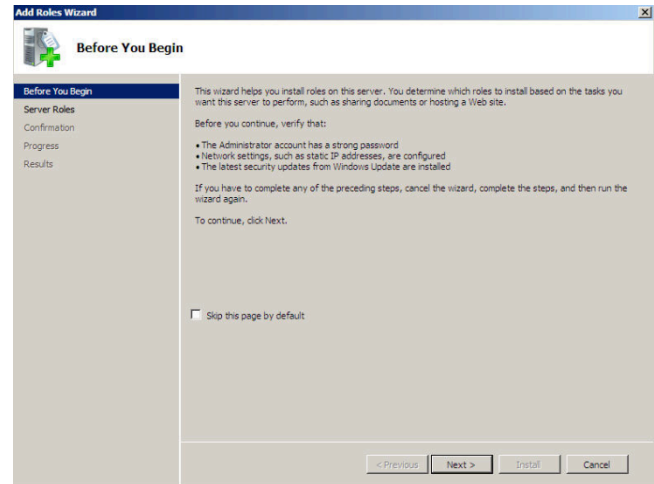
## INTERNET INFORMATION SERVICES (IIS) INSTALLATION PROCESS

### Step 1: Internet Information Server (IIS) Installation— Initial Configuration Task



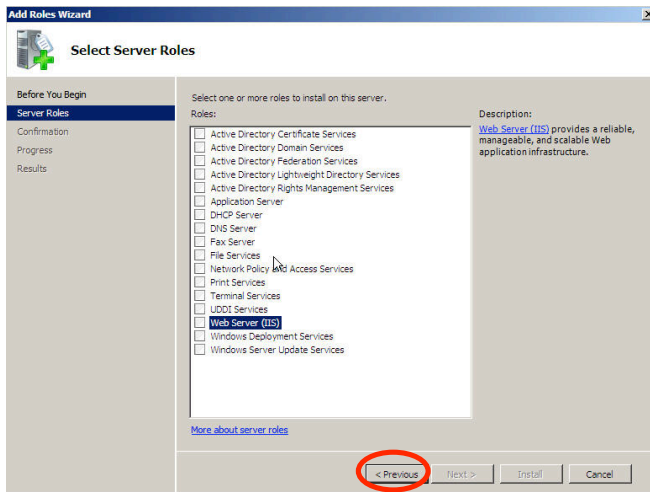
1. Click: Add Roles

### Step 2: Internet Information Server (IIS) Installation



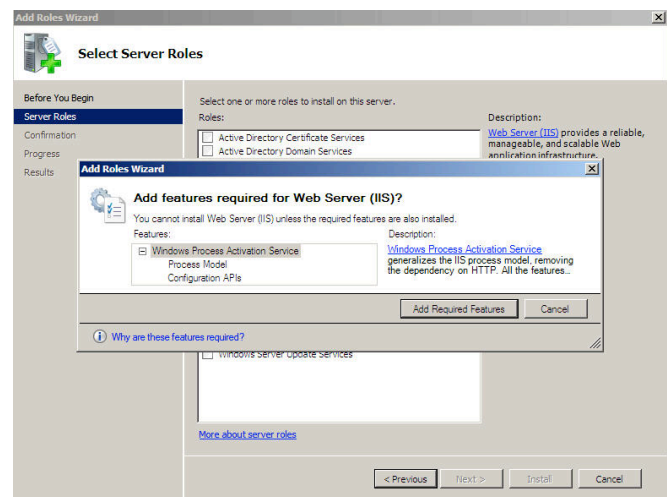
1. Click Next

### Step 3: Internet Information Server (IIS) Installation— Select Server Roles



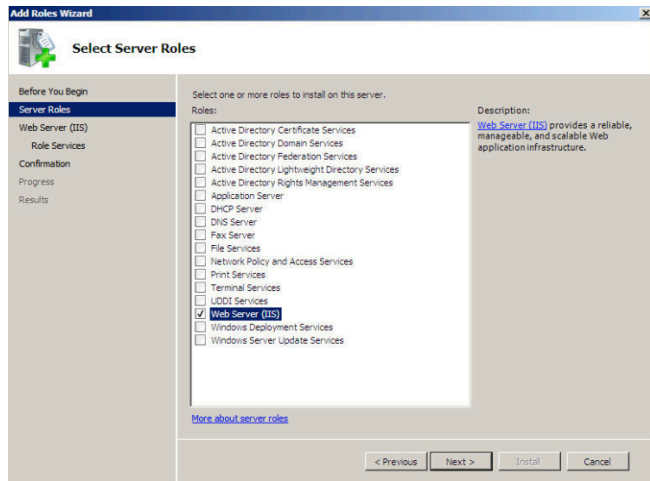
1. Enable Web Server (IIS)

### Step 4: Internet Information Server (IIS) Installation— Server Roles

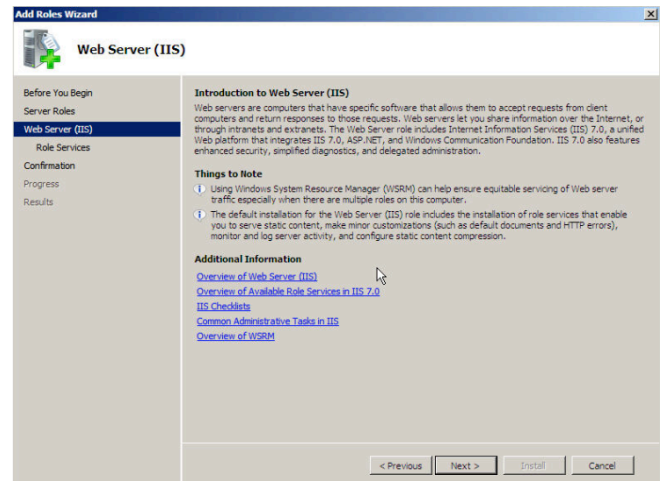


Note: Enabling IIS on the screen requires additional Components to be selected

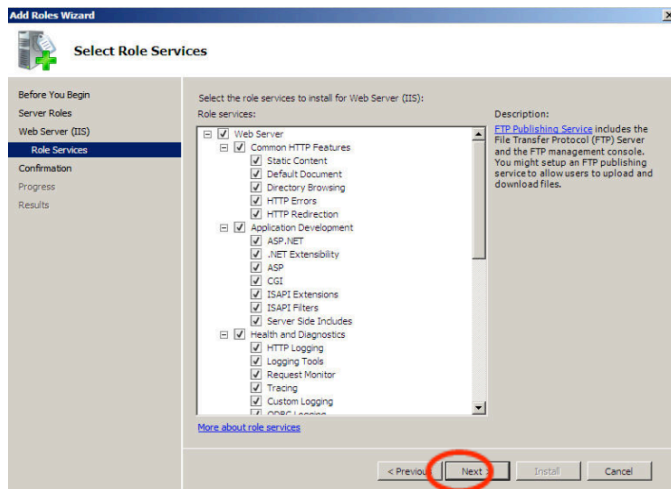
1. Click: Add Requested Features

**Step 5: Internet Information Server (IIS) Installation**

1. Click: Next >

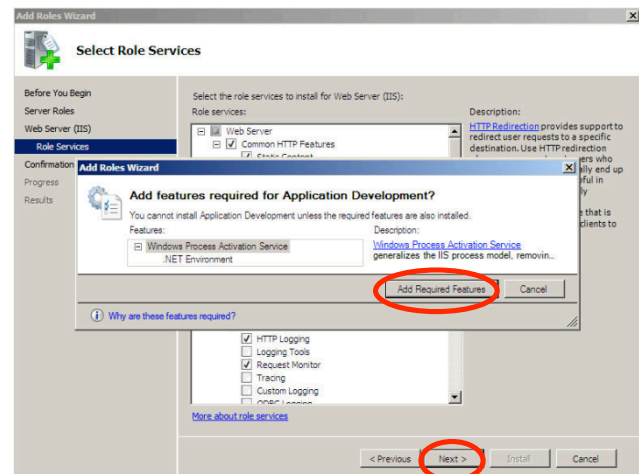
**Step 6: Internet Information Server (IIS) Installation**

1. Click: Next >

**Step 7: Internet Information Server (IIS) Installation**

Note: Please **enable all entries** for this screen by placing a check mark in each box as you scroll down thru the entries.

1. Click: Next >

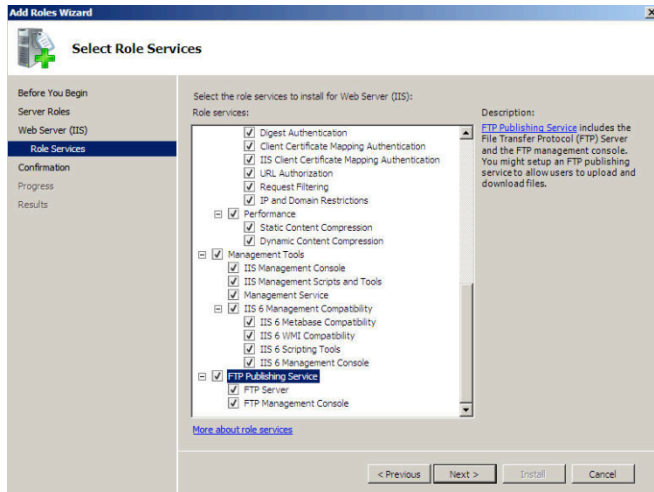
**Step 8: Internet Information Server (IIS) Installation**

\*Note: There are several requirements in this screen selection that need to be added, **please enable all entries for this screen** by placing a check mark in each box as you scroll down thru the defaults that are entries.

1. For any item selected that pops up with a secondary screen to Add Required Feature, click Add Required Features.

2. Click: Next >

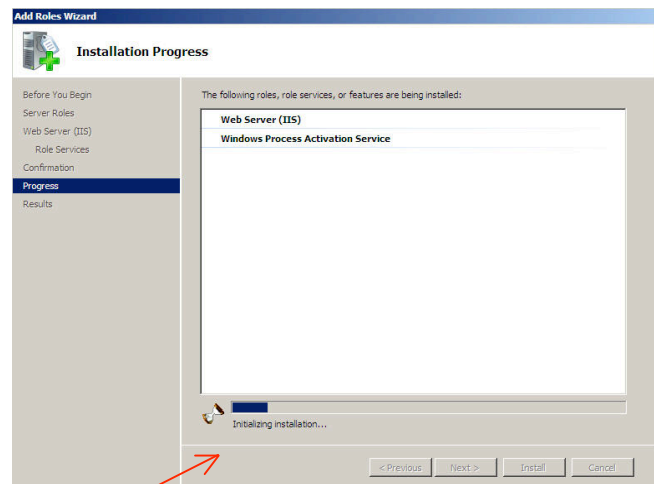
## Step 9: Internet Information Server (IIS) Installation



This screen is a continuation of the prior screen shot from Step 8, just scrolled down to show that all entries are enabled

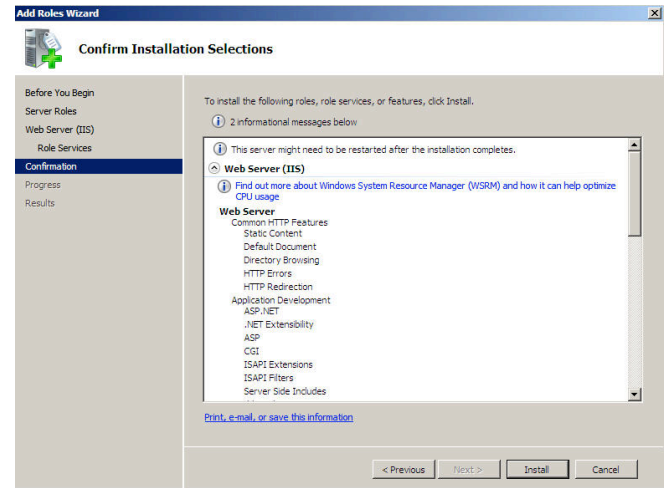
1. Click: Next >

## Step 11: Internet Information Server (IIS) Installation



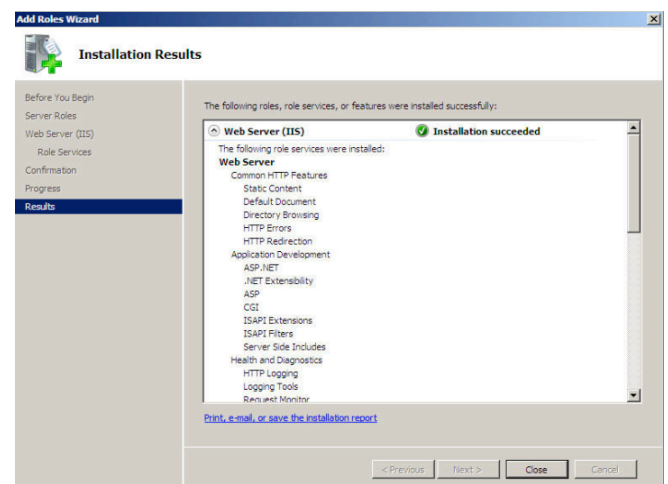
Installation Progress

## Step 10: Internet Information Server (IIS) Installation



1. Click: Install

## Step 12: Internet Information Server (IIS) Installation



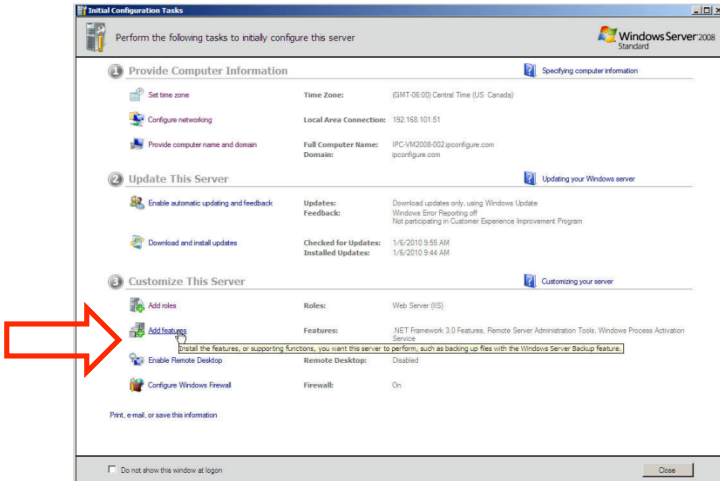
Installation Results

1. Click: Close

\*\*\*\*\* If you are running Windows Server 2003 64-bit, ESM will not function correctly. There is a fix; the server will need to be set up to run as 32-bit. Navigate to the following MSDN Article and perform the steps listed under: **ASP.NET 2.0, 32-bit version**.

<http://support.microsoft.com/kb/894435>.

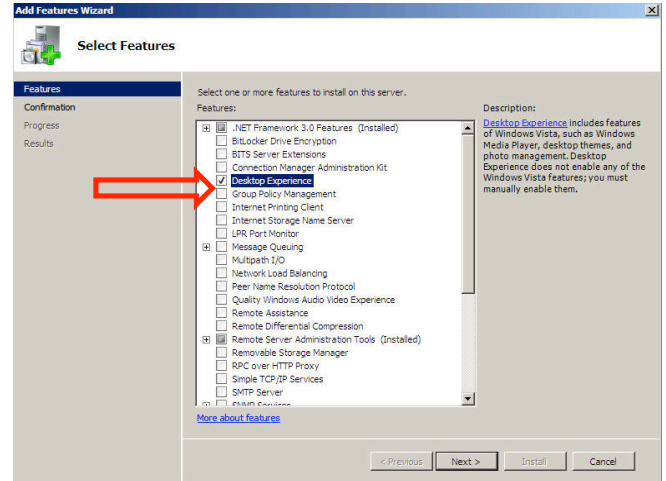
### Step 13: Server Manager – Add Features – Windows Desktop Experience and Powershell



\*Note: A few new requirements in using Windows 2008 SQL Server and IIS are the additions of the Windows Desktop Experience and Powershell. These are needed for Web Media and SQL 2008 Pre-Requisites.

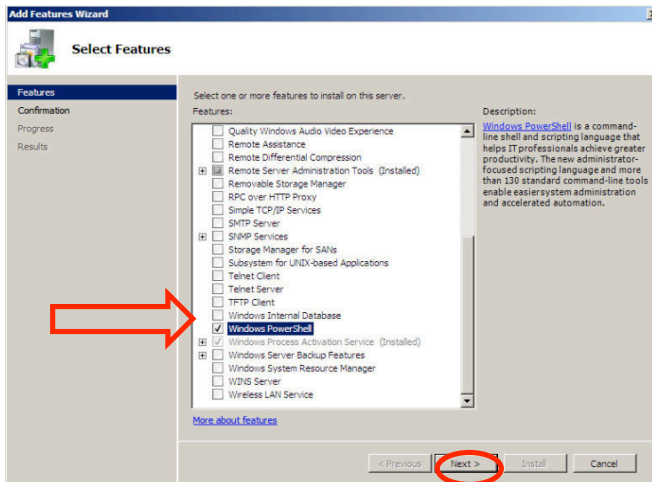
1. Click: Add Features

### Step 14: Server Manager – Add Features – Windows Desktop Experience and Powershell



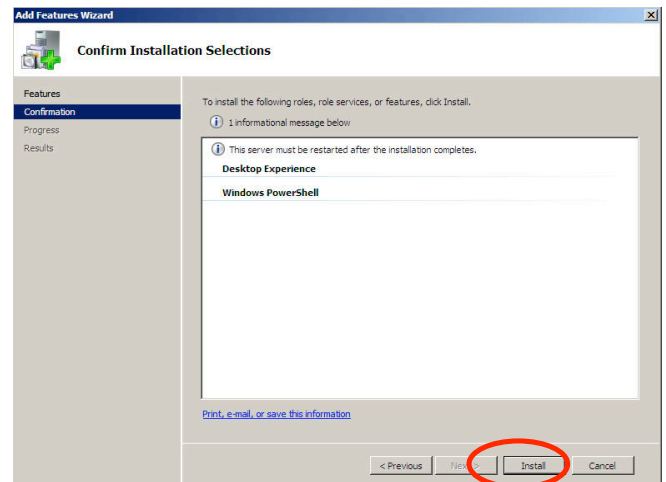
1. Enable Desktop Experience
2. Scroll down to bottom of this screen for other entries.

### Step 15: Server Manager – Add Features – Windows Desktop Experience and Powershell



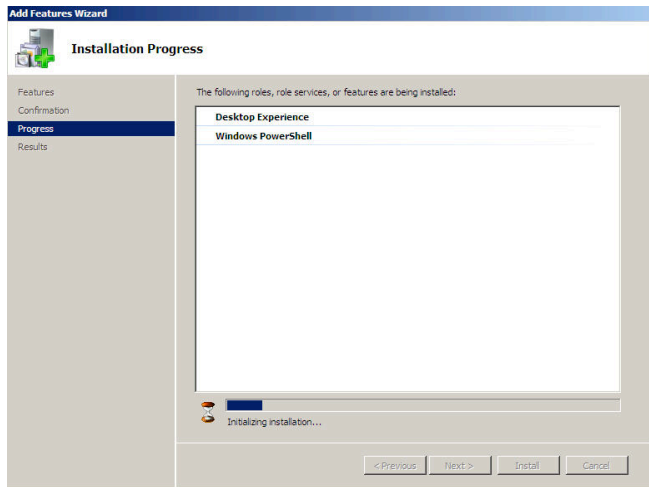
1. Enable Windows Powershell
2. Click: Next >

### Step 16: Server Manager – Add Features – Windows Desktop Experience and Powershell



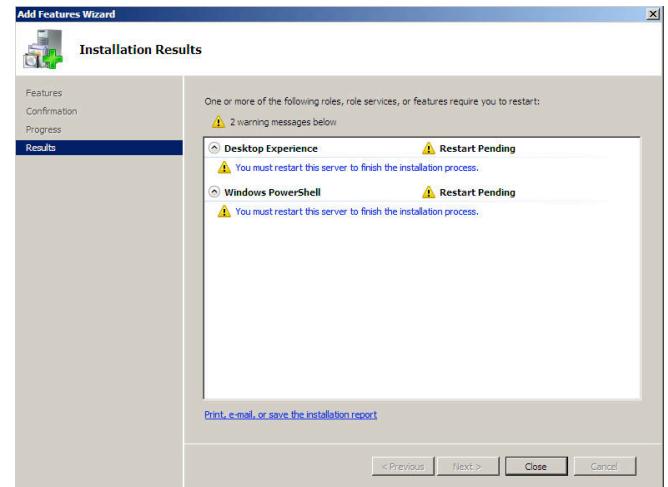
1. Click: Install

### Step 17: Server Manager – Add Features – Windows Desktop Experience and Powershell



Progress Indicator

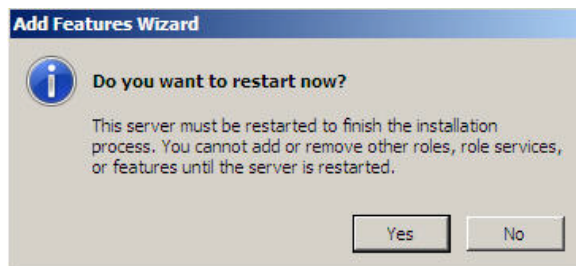
### Step 18: Server Manager – Add Features – Windows Desktop Experience and Powershell



\*Note: The Warning Indicators for this screen just require a System Restart

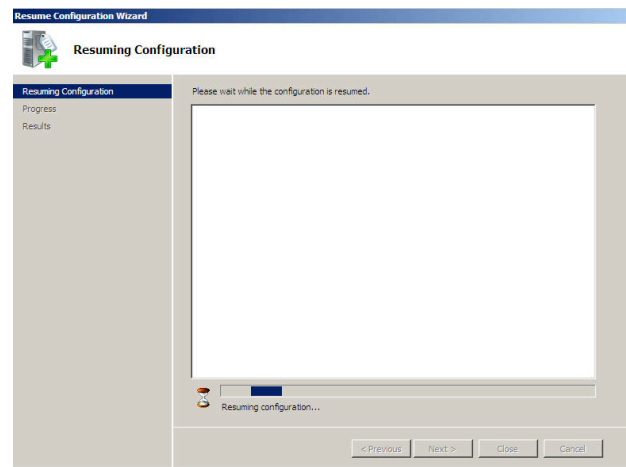
1. Click: Close

### Step 19: Server Manager – Add Features – Windows Desktop Experience and Powershell



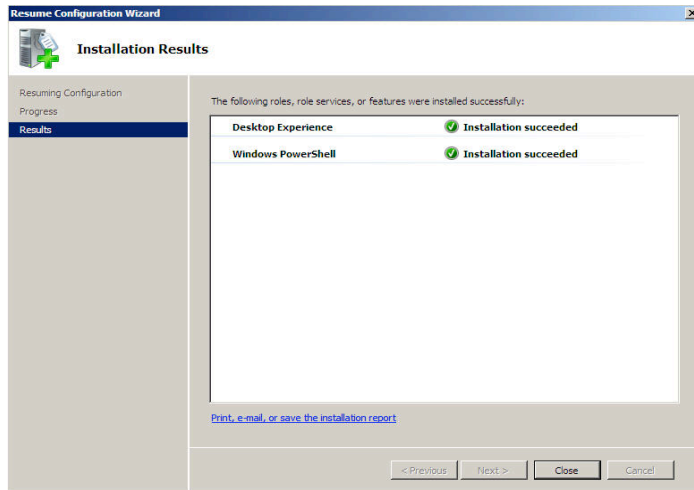
1. Click: Yes

### Step 20: Server Manager – Add Features – Windows Desktop Experience and Powershell



\*Note: After the system reboots and you log back on to the server, the installation of the Windows Desktop Experience and Powershell resumes installation.

## Step 21: Windows Media Services and Internet Information Server (IIS) Installation



1. Click: Close

### Windows Installer 4.5

#### \*32-bit Operating Systems ONLY\*

**Windows Installer 4.5 needs to be downloaded; it is a requirement to be able to install Windows 2008 SQL Server.**

Microsoft Windows Installer is a component of the Windows operating system. Windows Installer provides a standard foundation for installing and uninstalling software.

Download of redistributable file can be found at:

<http://support.microsoft.com/kb/942288>  
Windows Installer 4.5 for Windows 2008  
Server, 32 Bit –  
[Windows6-0-KB942288-v2-x86.msu](http://support.microsoft.com/kb/942288)

### Windows Media Services

**Windows Media Services is not included with Windows Server 2008 or Windows Server 2008 Web Edition.  
(for R2 versions of 2008, please proceed the next step)**

**\*64-bit R2 OS\*** For R2 versions of Server 2008, there is a single R2 version of the Windows Media Services Installer. (Windows6.1-KB963697-x64.msu) This single installer will install all components needed that were part of the 3 separate installers for the previous 32-bit and non-R2 64-bit Server 2008 OS.

<http://www.microsoft.com/downloads/en/confirmation.aspx?FamilyID=b2cdb043-d611-41c9-91b7-cddf6e5fdf6b>

Installation is for the Windows 2008 X86

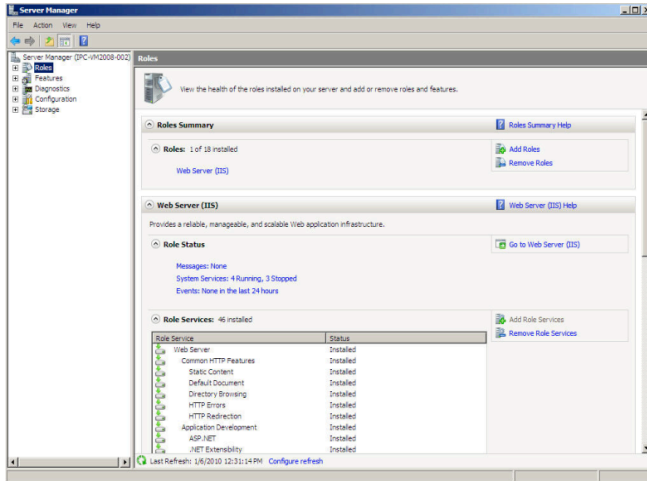
<http://www.microsoft.com/downloads/details.aspx?FamilyId=9CCF6312-723B-4577-BE58-7CAAB2E1C5B7&displaylang=en>

Three files that need to be downloaded include:  
Windows6.0-KB934518-x86-Server.msu  
Windows6.0-KB934518-x86-Core.msu  
Windows6.0-KB934518-x86-Admin.msu

\*For 64-bit non-R2 OS, choose the same three components that end with x64 (i.e. Windows6.0-KB934518-x64-Server.msu)



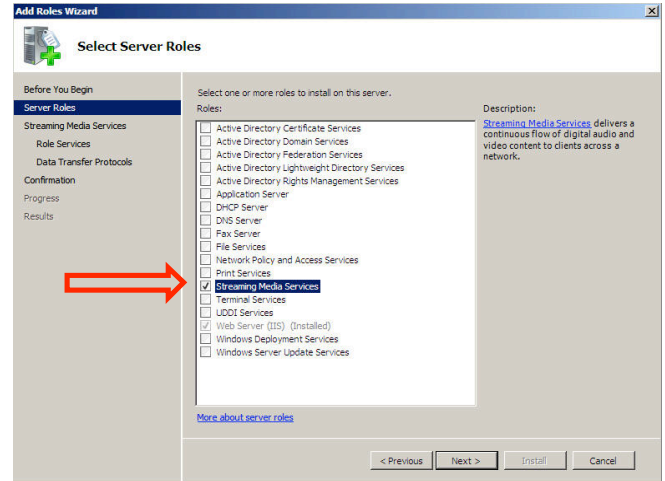
## Step 22: Server Manager – Add Roles – Streaming Media Services



**Streaming Media Services** need to be installed in order to be able to stream video from the server. The Windows Media Services file(s) that were installed prior to this screen shot downloaded this into your server. Now, it has to be enabled.

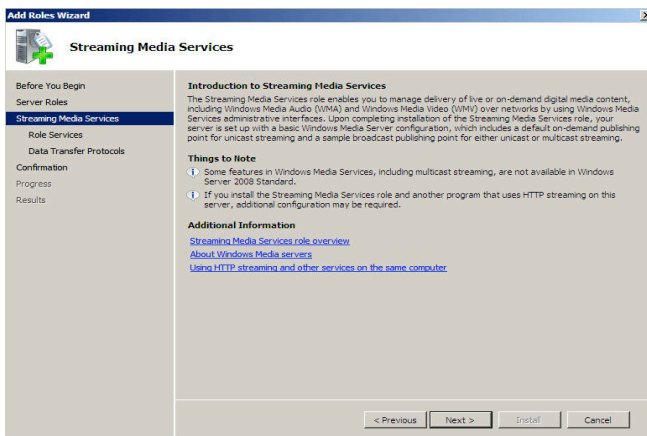
1. Click: Add Roles

## Step 23: Server Manager – Add Roles Wizard – Streaming Media Services – Server Roles



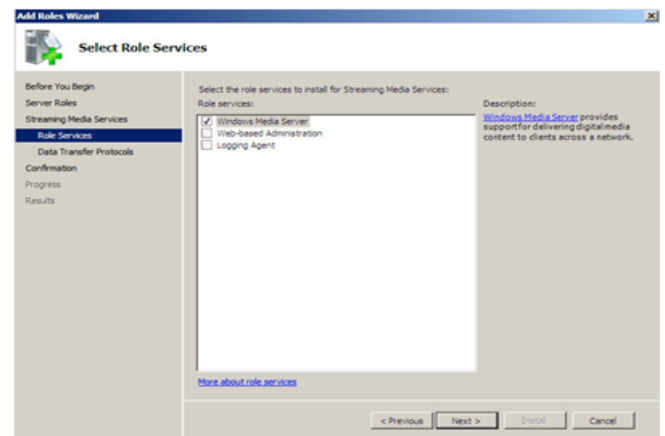
1. Place a checkmark in the Streaming Media Services selection.
2. Click: Next >

## Step 24: 2008 Server Manager – Add Roles Wizard – Streaming Media Services – Introduction



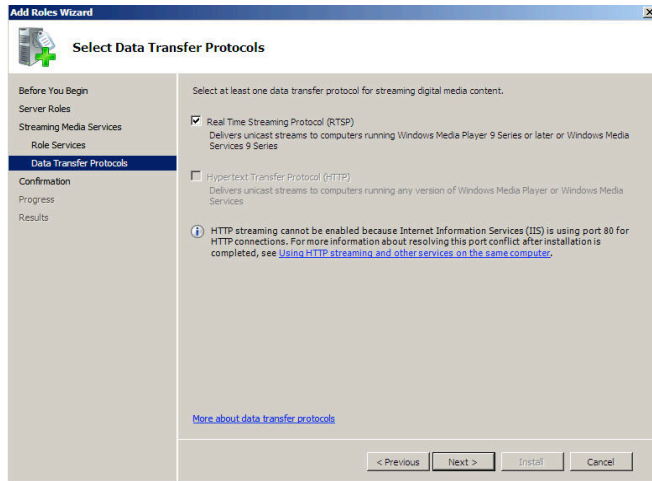
1. Click: Next >

## Step 25: 2008 Server Manager – Add Roles Wizard – Streaming Media Services – Run Services



1. Place a checkmark in the Windows Media Server.
2. Click: Next >

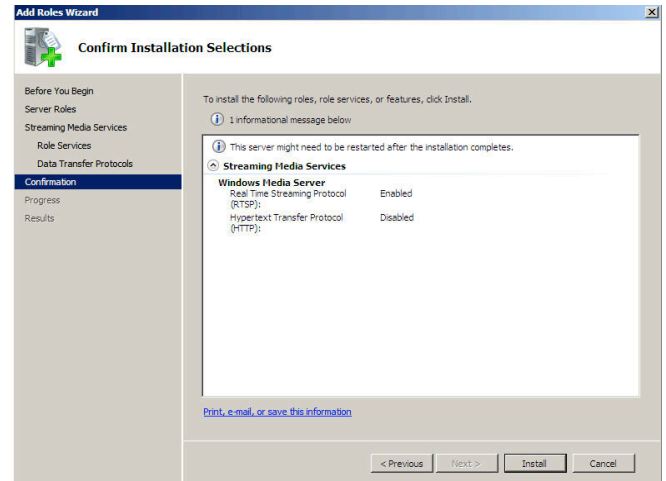
## Step 26: 2008 Server Manager – Add Roles Wizard – Streaming Media Services – Data Transfer Protocols



- Leave the default for the Real Time Streaming Protocol checked.

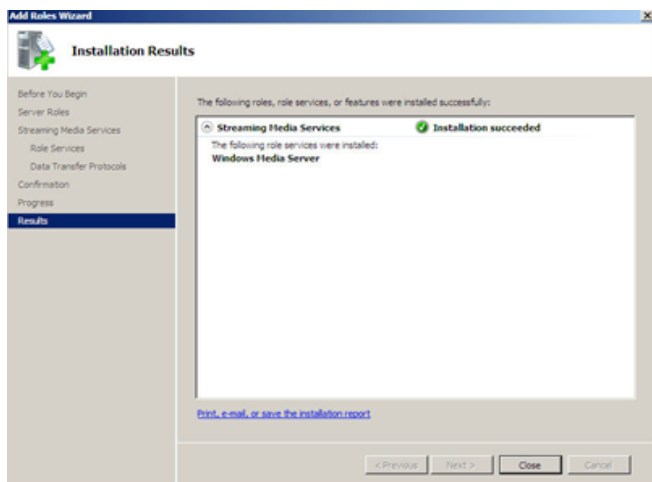
1. Click: Install

## Step 27: 2008 Server Manager – Add Roles Wizard – Streaming Media Services – Configuration



1. Click: Install

## Step 28: 2008 Server Manager – Add Roles Wizard – Streaming Media Services



Installation Results

1. Click Close



## SQL EXPRESS INSTALLATION PROCESS

Microsoft SQL Server 2008 Express Edition is the free, easy-to-use, lightweight version of SQL Server 2008. Integrated with Microsoft Visual Studio 2008, SQL Server Express makes it easy to develop data-driven applications that are rich in capability, offer enhanced storage security, and are fast to deploy.

SQL Server Express is free to redistribute and can be seamlessly upgraded to more sophisticated versions of SQL Server. SQL Server Management Studio Express is included in the file that is downloaded.

SQL Express 2008 - Runtime with Management Tools –can be downloaded from the Microsoft website

(This is a 224 MB install/download file):

Note: Do Not Use the Web Based SQL Express 2008 installation; it does not give you the opportunity to create a default instance for setting up SQL Server. Along with a known bug issue that cannot be addressed by using the Web Based installation. This is a Microsoft SQL issue

32 bit: [http://download.microsoft.com/download/7/9/4/794bfafa-aea7-45d4-a6ea-4e92f09918e3/SQLEXPRTW\\_X86\\_ENU.exe](http://download.microsoft.com/download/7/9/4/794bfafa-aea7-45d4-a6ea-4e92f09918e3/SQLEXPRTW_X86_ENU.exe)

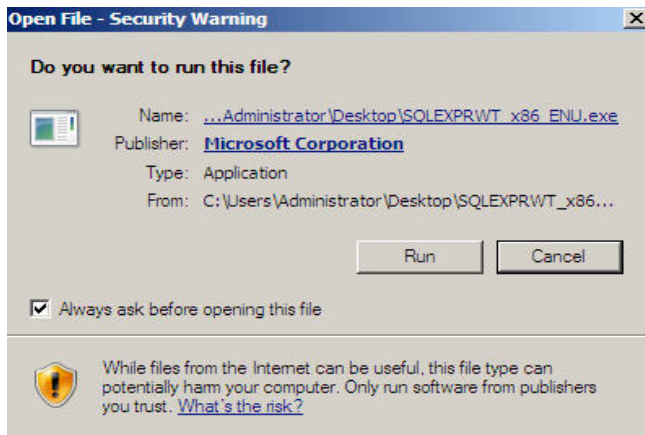
64 bit: [http://download.microsoft.com/download/7/9/4/794bfafa-aea7-45d4-a6ea-4e92f09918e3/SQLEXPRTW\\_X64\\_ENU.exe](http://download.microsoft.com/download/7/9/4/794bfafa-aea7-45d4-a6ea-4e92f09918e3/SQLEXPRTW_X64_ENU.exe)

64 bit R2: [http://care.dlservice.microsoft.com/dd/download/5/5/8/558522E0-2150-47E2-8F52-FF4D9C3645DF/SQLEXPRTW\\_x64\\_ENU.exe?lcid=1033&cprod=SQLEXP](http://care.dlservice.microsoft.com/dd/download/5/5/8/558522E0-2150-47E2-8F52-FF4D9C3645DF/SQLEXPRTW_x64_ENU.exe?lcid=1033&cprod=SQLEXP)

### System Requirements

Component	Requirements
Operating system	Windows Server 2008
Database	Microsoft SQL Express 2008
Processor	A 2 gigahertz (GHz) processor with an Intel Pentium IV or Advanced Micro Devices (AMD) processor or better.
RAM	1 gigabyte (GB) or better, preferably more...
Free hard disk space	250 GB or better. (This depends on the number of cameras and how many days' recordings will be held in Archive Mode. For configuring information on this, please contact the ipConfigure Sales team.

### Step 1: SQL Express 2008 Installation – Open File – Security Warning



After acquiring the execute file for SQL Express that was either downloaded, or if you have a version on CD, start the installation.

1. Click: Run

### Step 2: SQL Express 2008 Installation – SQL Server Installation Center



To see if your server meets the needs of the SQL Installation, first run the Install upgrade Advisor. If all conditions are met then proceed with installation

1. Click: Installation

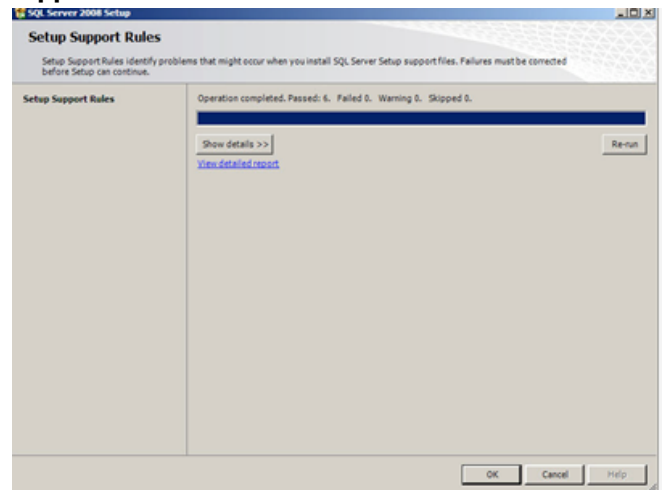
### Step 3: SQL Express 2008 Installation – SQL Server Installation Center



This is a new installation of SQL Server 2008 for a stand-alone installation.

1. Click: New Server stand-alone installation or add features to an existing installation

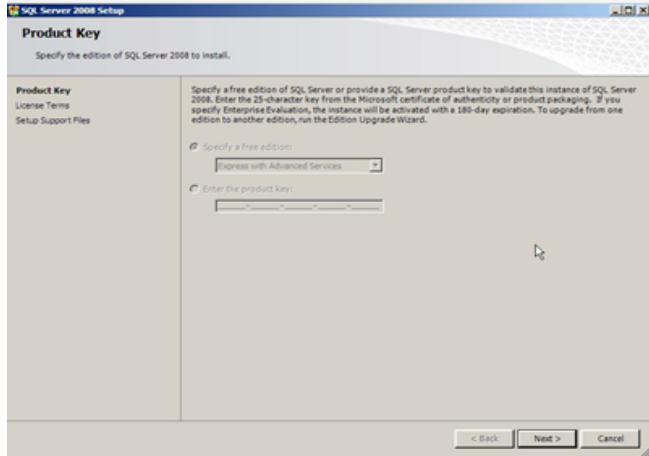
### Step 4: SQL Express 2008 Installation – Setup Support Rules



Check the top line for Passed, Failed, Warnings, and Stopped. Show details if you do not have all Passed.

Items that come up as Warnings will not stop the installation but you will need to address them if the installation does not proceed. Items that show Failed or Stopped will need to be addressed before continuing.

1. Click: Ok

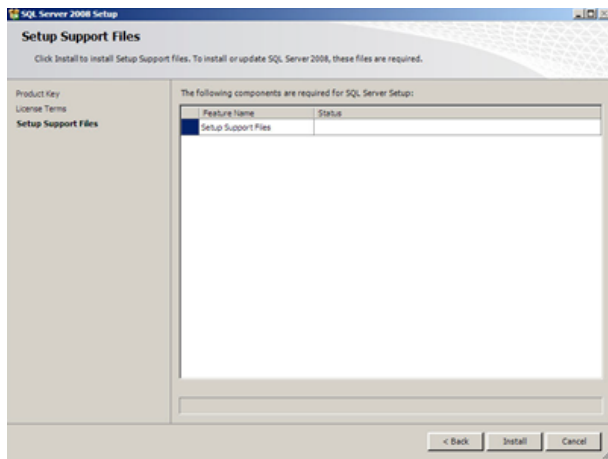
**Step 5: SQL Express 2008 Installation – Product Key**

With using SQL Express 2008, it is a free version that does not require a Product Key. If you are using a full version of SQL Server 2008, please enter your information for the product that you have purchased.

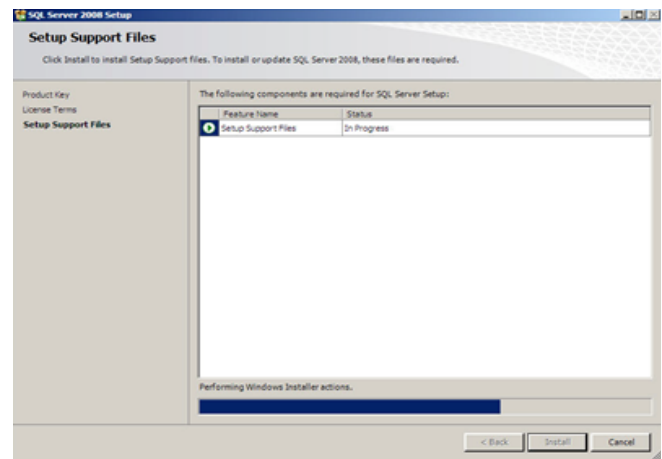
1. Click: Next >

**Step 6: SQL Express 2008 Installation – Microsoft License Terms**

1. After reading through the terms, place a checkmark in the 'I accept the license terms' box.
2. Click: Next >

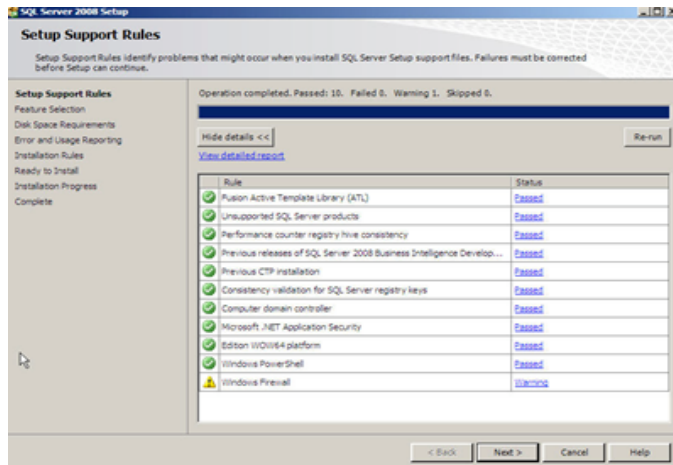
**Step 7: SQL Express 2008 Installation – Setup Support Files**

1. Click: Install

**Step 8: SQL Express 2008 Installation – Setup Support Files**

Progress Indicator

## Step 9: SQL Express 2008 Installation – Setup Support Rules

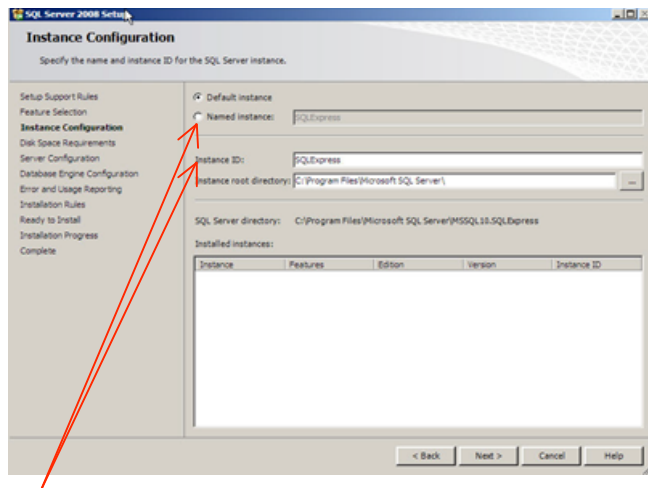


Check the top line for Passed, Failed, Warnings, and Stopped. Show details if you do not have all Passed.

Items that come up as Warnings will not stop the installation; in this example the Windows Firewall has not been configured. Items that show Failed or Stopped will need to be addressed before continuing.

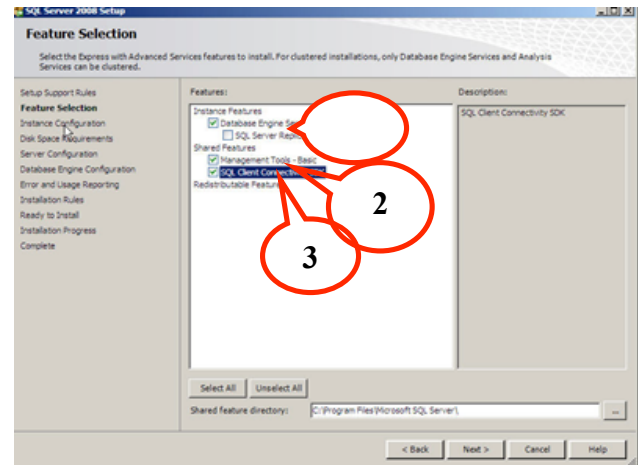
1. Click: Next >

## Step 11: SQL Express 2008 Installation – Instance Configuration



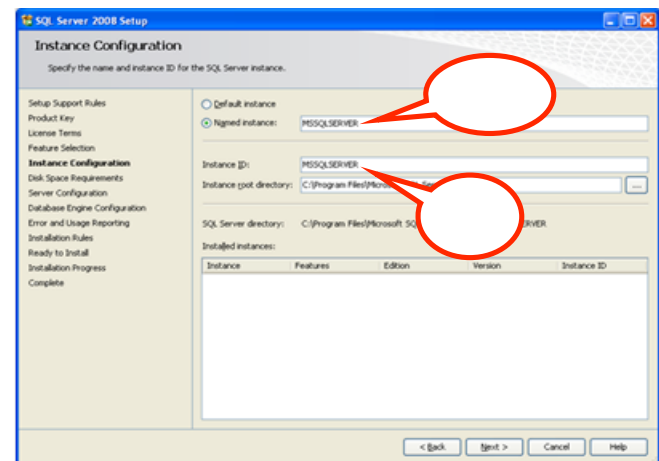
When installing SQL Express 2008, there is a known bug issue that will not let you install as a default instance, which is required by ipConfigure. To get around this, in the Named Instance and Instance ID, please input:  
**MSSQLSERVER**

## Step 10: SQL Express 2008 Installation – Feature Selection



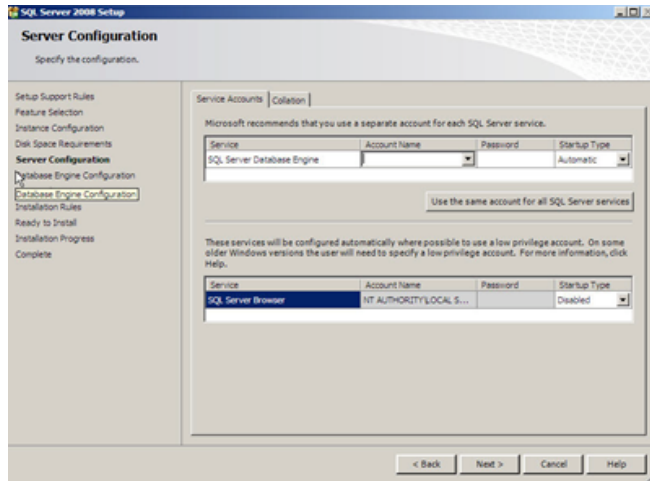
1. Select Database Engine Service
2. Select Management Tools – Basic
3. Select SQL Client Connectivity SDK
4. Click: Next >

## Step 12: SQL Express 2008 Installation – Instance Configuration



1. Select Named Instance and input **MSSQLSERVER**
2. For Instance ID input **MSSQLSERVER** if the software did not update it to reflect that in step 1.
3. Click: Next >

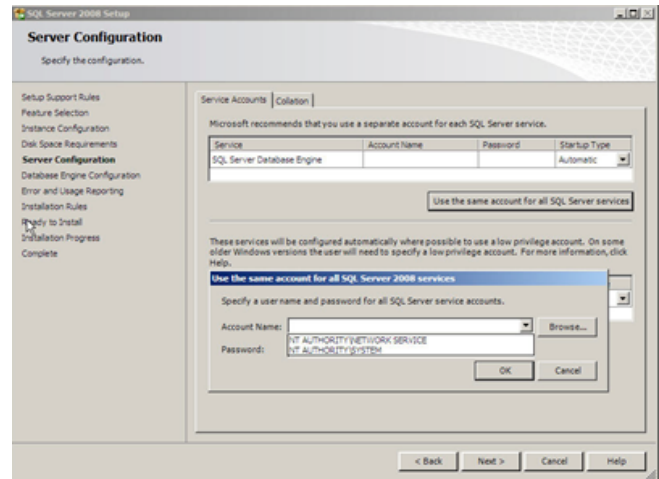
### Step 13: SQL Express 2008 Installation – Server Services Configuration



SQL needs to have credentials entered for the SQL Server Database Engine to run the services.

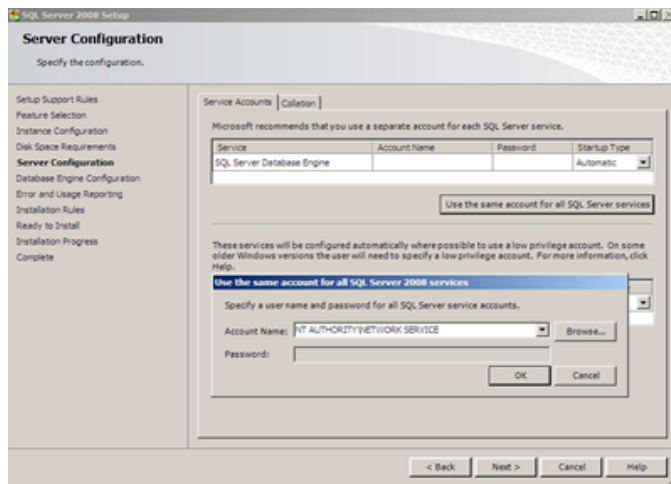
1. Click on Use the same account for all SQL Server Services.

### Step 14: SQL Express 2008 Installation – Server Services Configuration



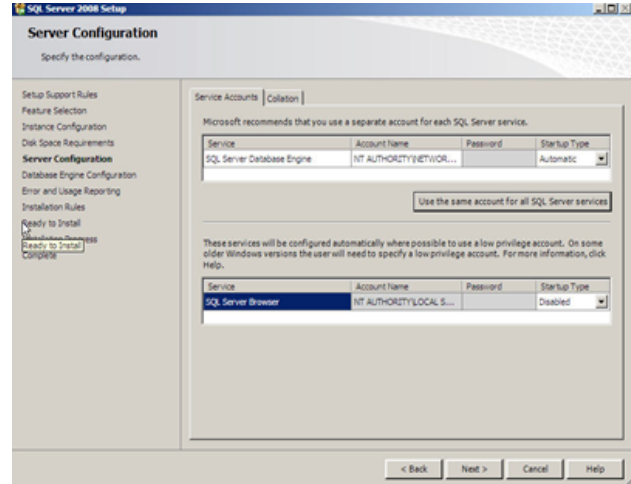
1. In the new window that appears, under Account Name, click on the arrow down button to get the built in Windows Accounts.
2. Select NT Authority\Network Service

### Step 15: SQL Express 2008 Installation – Server Services Configuration – SQL Server Services



1. Click: Ok

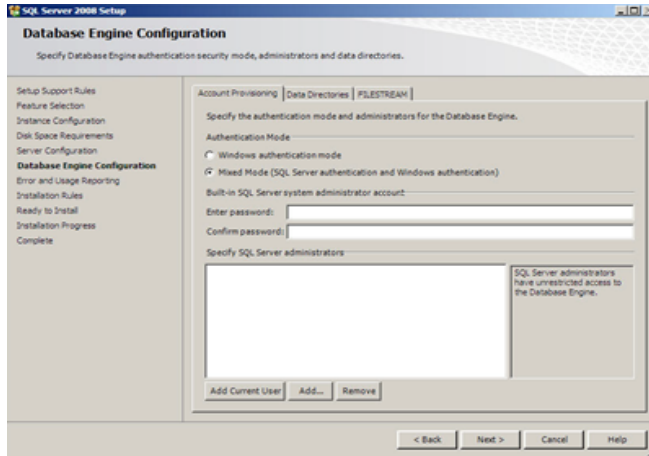
### Step 16: SQL Express 2008 Installation – Server Configuration – SQL Server Services



Leave the rest of the options as disabled.

1. Click: Next >

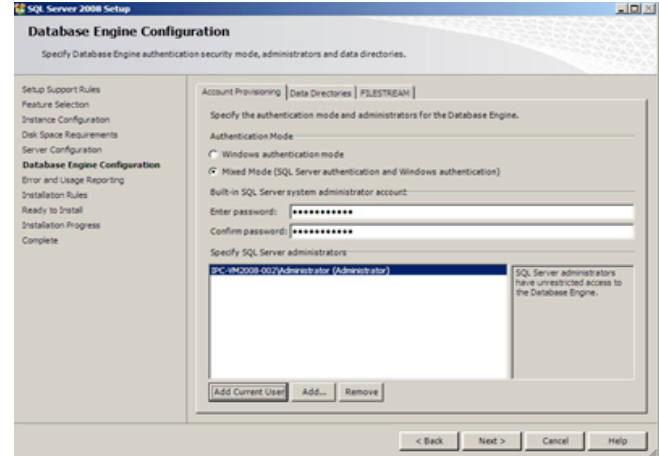
## Step 17: SQL Express 2008 Installation – Database Engine Configuration—SQL Server Services



ipConfigure needs to have this setup as a Mixed Mode install.

1. Select Mixed Mode (SQL Server authentication and Windows authentication).
2. Chose a password and enter it in the password and Confirm Password Fields.

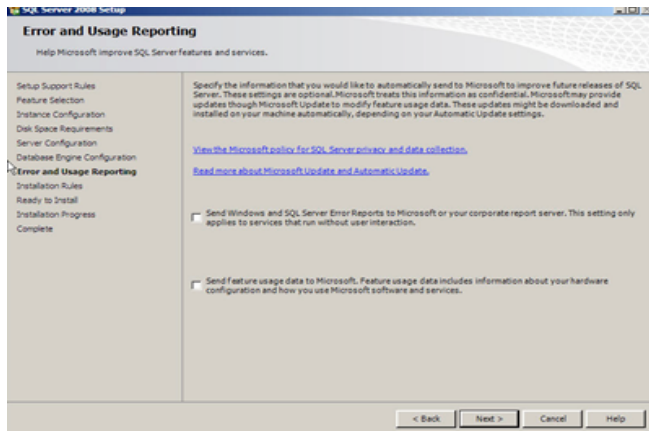
## Step 18: SQL Express 2008 Installation – Database Engine Configuration



After selecting Mixed Mode and entering a password for the SQL Administrator account, you will need to click Add User.

1. Click: Add Current User
2. Click: Next >

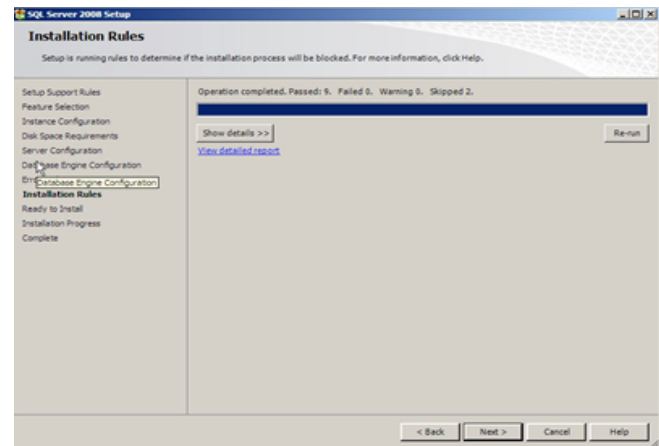
## Step 19: SQL Express 2008 Installation – Error and Usage Reporting



Leave both boxes unchecked.

1. Click: Next >

## Step 20: SQL Express 2008 Installation – Installation Rules

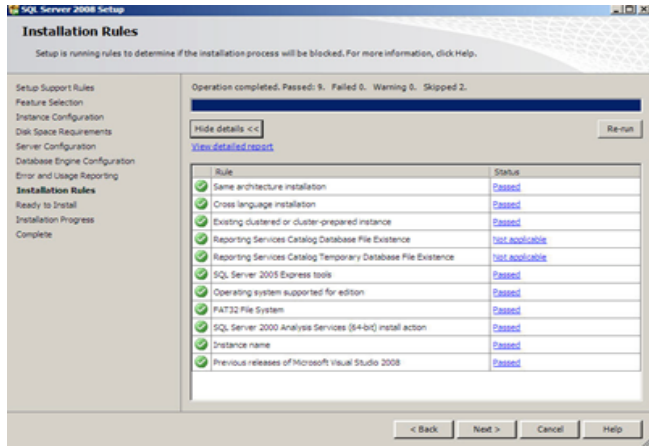


Check the top line for Passed, Failed, Warnings, and Stopped. Show details if you do not have all Passed.

1. Click: Show details >>



**Step 21: SQL Express 2008 Installation Rules**



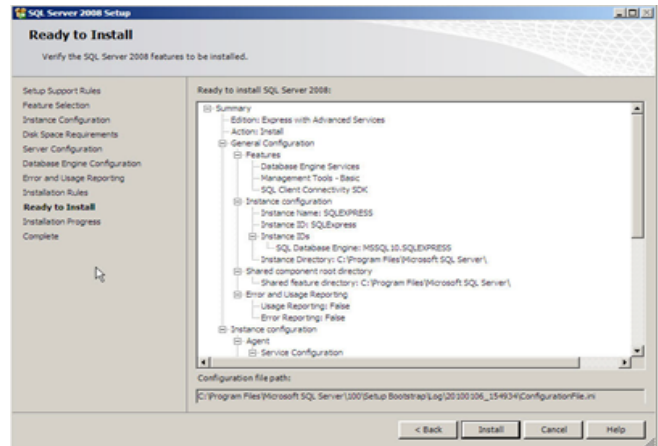
For this installation, we did not choose to have reporting installed as it is not needed for ipConfigure.

If there are items that have failed, you will need to resolve those issues before continuing.

If no errors and items are Not Applicable then continue to step 1.

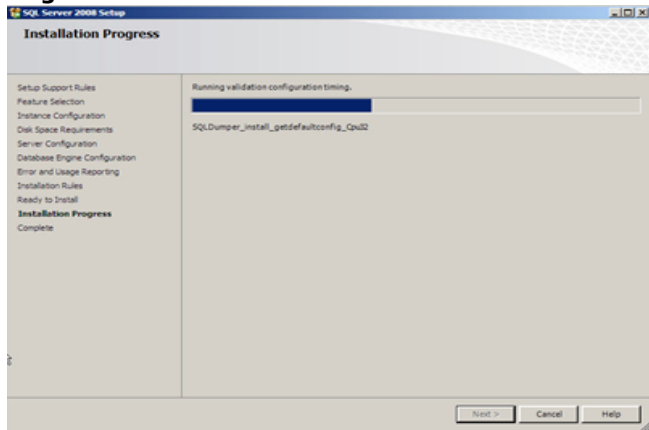
1. Click: Next >

**Step 22: SQL Express 2008 Installation – Ready to Install**



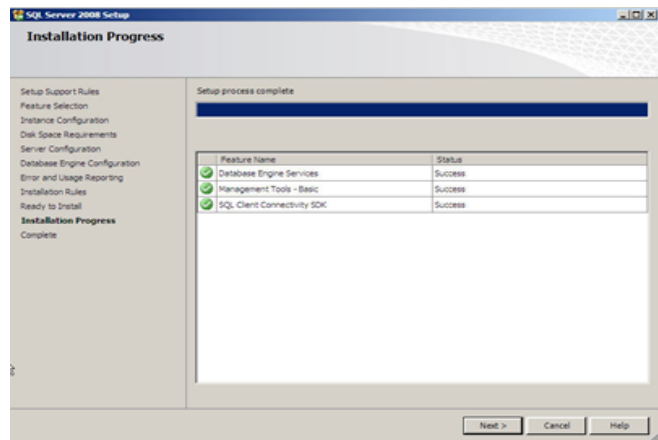
1. Click: Install

**Step 23: SQL Express 2008 Installation – Installation Progress**



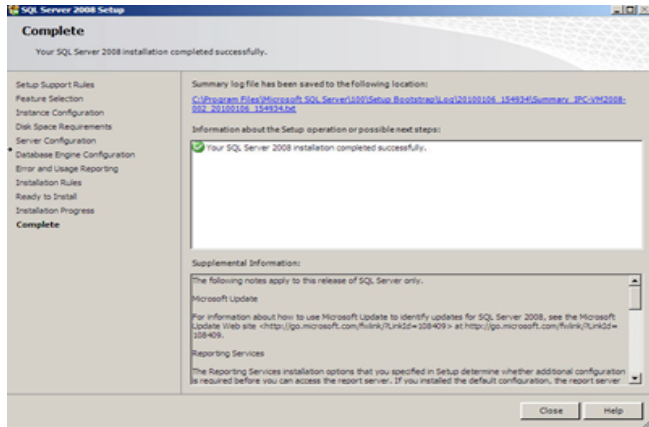
Installation Progress Indicator

**Step 24: SQL Express 2008 Installation – Installation Progress Complete**



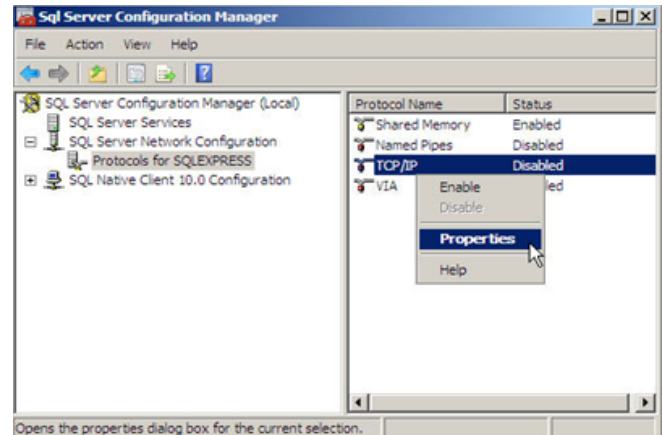
The three entries should show success.

1. Click Next >

**Step 25: SQL Express 2008 Installation – Completed**

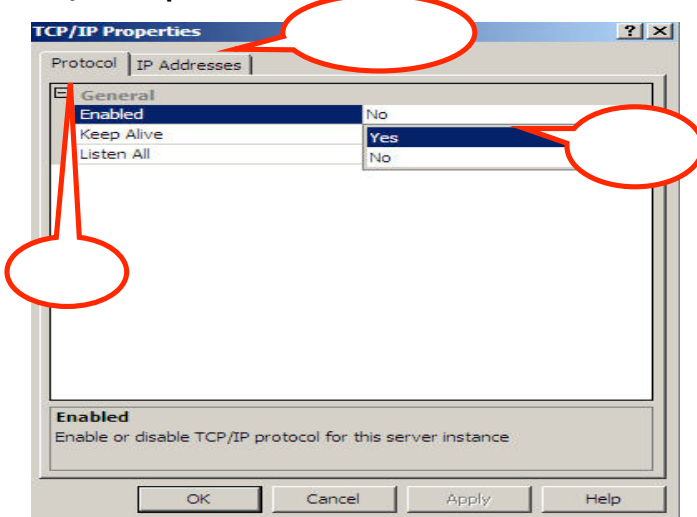
The information screen should display a completed successfully screen, if any other results are displayed you will need to address those issues. By following this guide step by step, you should have successfully installed SQL Server 2008.

1. Review the information concerning your install.
2. Click: Close

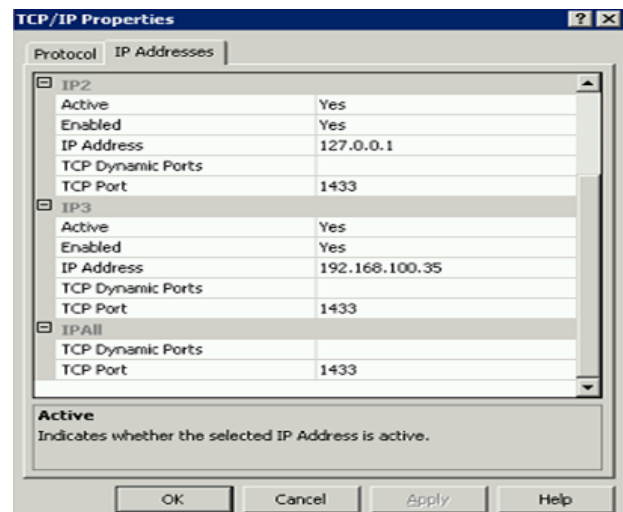
**Step 26: SQL Express 2008 Configuration Manager – TCP/IP Properties**

Opens the properties dialog box for the current selection.

1. Open SQL Server Configuration Manager.
2. Select Protocols for SQLEXPRESS
3. Right Click TCP/IP
4. Select Properties

**Step 27: SQL Express 2008 Configuration Manager TCP/IP Properties**

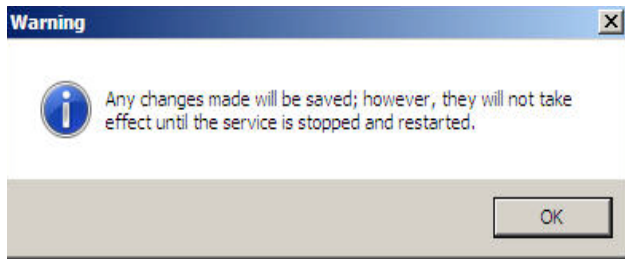
1. Select: Protocol Tab
2. Set 'Enabled' to Yes
3. Select IP Addresses Tab

**Step 28: SQL Express 2008 Configuration Manager TCP/IP Properties**

1. Set: 'Active' to Yes for both your internal address and the 127.0.0.1 address
2. Set: 'Enabled' to Yes
3. Set: 'TCP Port' to 1433
4. Click Apply or go directly to 5.
5. Click Ok



### Step 29: SQL Express 2008 Configuration Manager TCP/IP Properties



1. Click: OK

### Step 30: SQL Express 2008 – SQL Server 2008 Management Studio



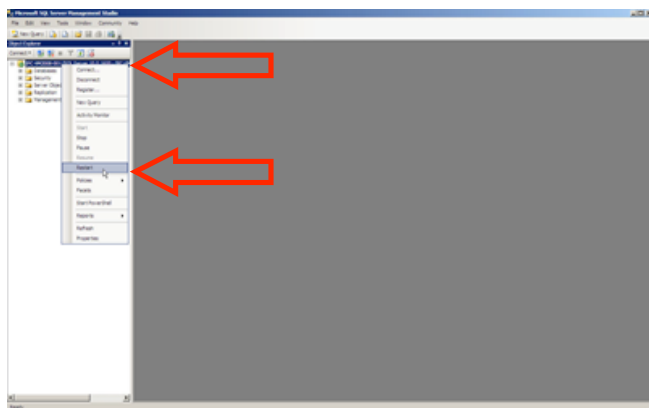
1. Start SQL Server 2008 Management Studio

### Step 31: SQL Express 2008 – Login



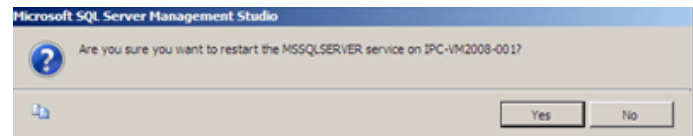
1. Click: Connect

### Step 32: SQL Express 2008 – Restart Database Services



1. Right click at the top line that shows the server name.
2. Select Restart

### Step 33: SQL Express 2008 – Restart Database Services – Confirmation



1. Click Yes to restart

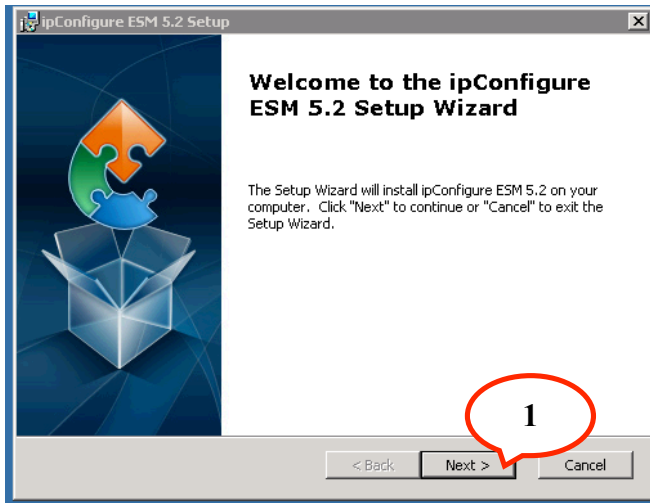
### Windows Updates

You will need to run the Windows Update on the server with reboots after each. Continue to do the Windows Update after each reboot until there are no longer any items to be updated

## ipConfigure ESM 5.4 Software Installation Process (For 2003/2008 Server)

This document provides a detailed explanation of how to install the Enterprise Surveillance Manager (ESM 5.4) Server Software. The installation guide utilizes screen shots of an actual ESM 5.4 system and includes a numbering methodology to reference screen attributes. The attributes are associated with a page legend to provide a detailed explanation of each attribute.

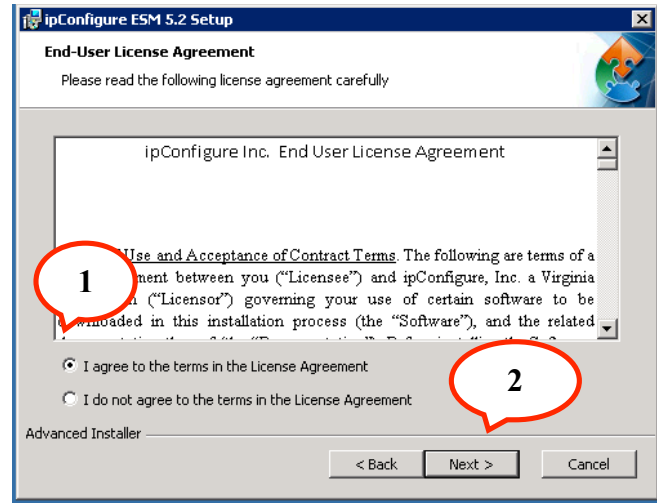
### Step 1: ESM Software Installation



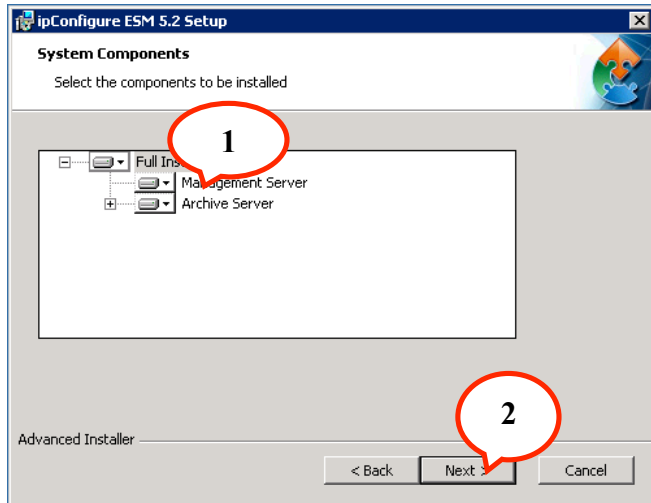
The ESM Software Installation file may have been supplied to you through our FTP download server. If you did not receive this access, please email tech support ([techsupport@ipconfigure.com](mailto:techsupport@ipconfigure.com)). For help with FTP, please refer to our knowledgebase article (<http://www.ipconfigure.com/support/index.php?/Knowledgebase/Article/View/114/0/ftp-download-instructions-for-esm-packages-using-windows-explorer>)

1. Click Next >

### Step 2: End-User License Agreement

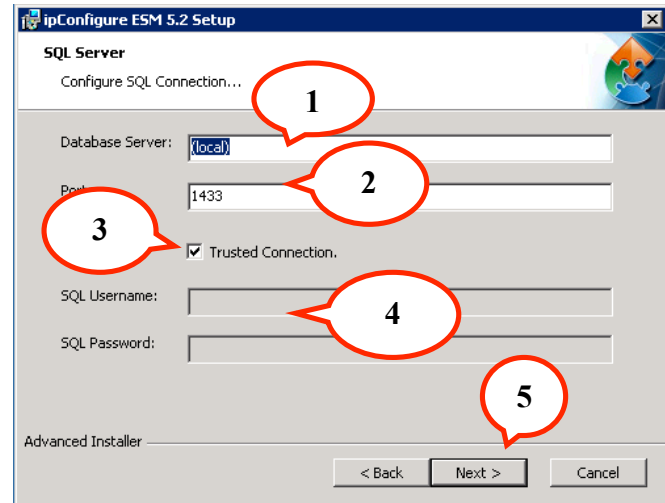


1. Review and accept the terms in License Agreement
2. Click: Next >

**Step 3: System Components**

1. Select 'Full Install' to Install Management and Archive Server

2. Click: Next >

**Step 4: SQL Database**

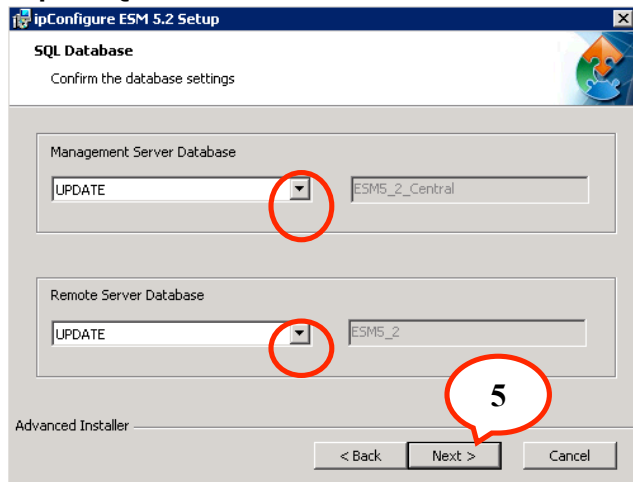
1. Enter Server name or IP address

2. Enter Port number

3. Check the 'Trusted Connection' box if your connection is trusted

4. If your connection is not trusted, unclick 'Trusted Connection' box and enter SQL Username and SQL Password.  
\*Note-Only need to fill out SQL boxes if connection is not trusted

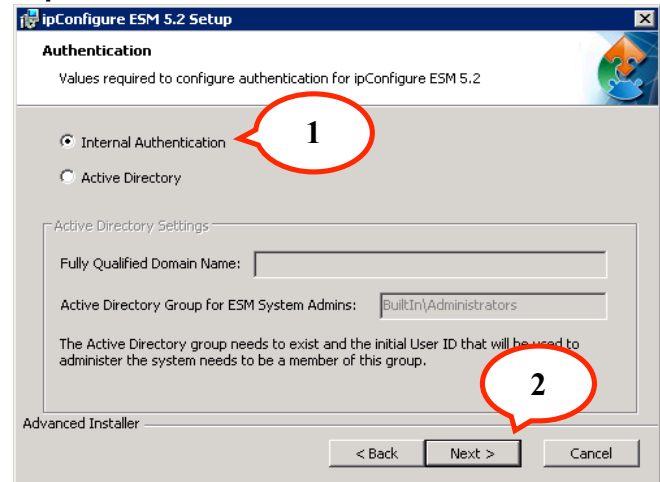
5. Click: Next >

**Step 5: SQL Database- Confirm the database settings**

\*Note- The installer will auto populate based on a SQL but if you would like to manually control or the automatic lookup is wrong, click on the drop down arrow and select the function required.

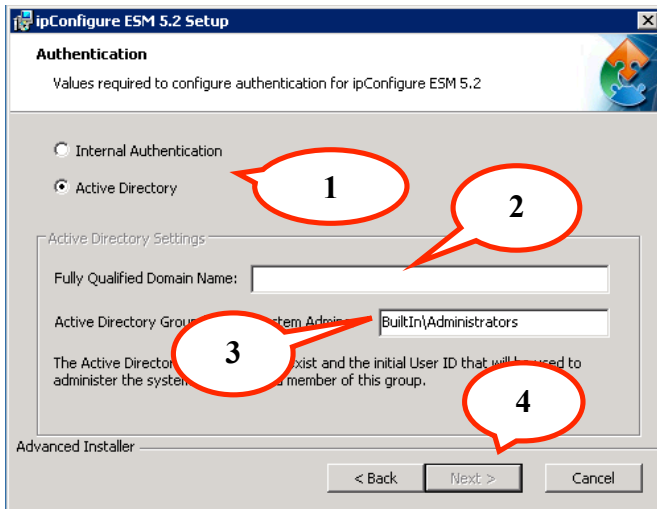
1. Select the option that applies to you:  
NEW- Installs a completely new version of ESM  
UPDATE- Updates the current ESM version to the most current version  
UPGRADE- Checks for upgrades to the current ESM version

2. Click: Next >

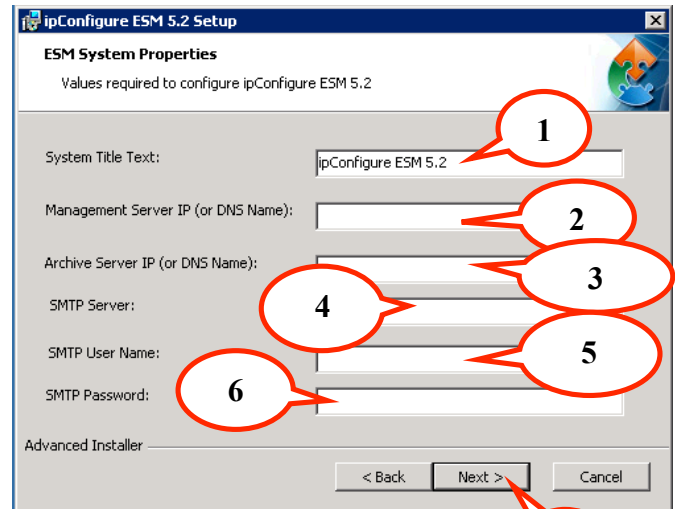
**Step 6: Authentication**

1. Click Internal Authentication. ( For Active Directory Authentication see Step 7)

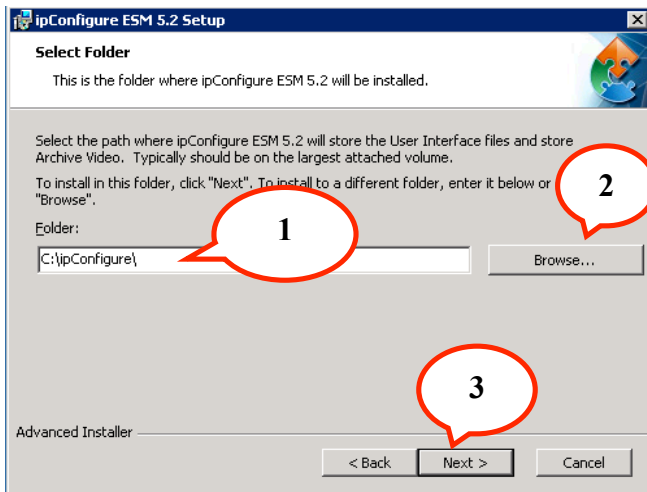
2. Click Next >

**Step 7: Authentication: Active Directory**

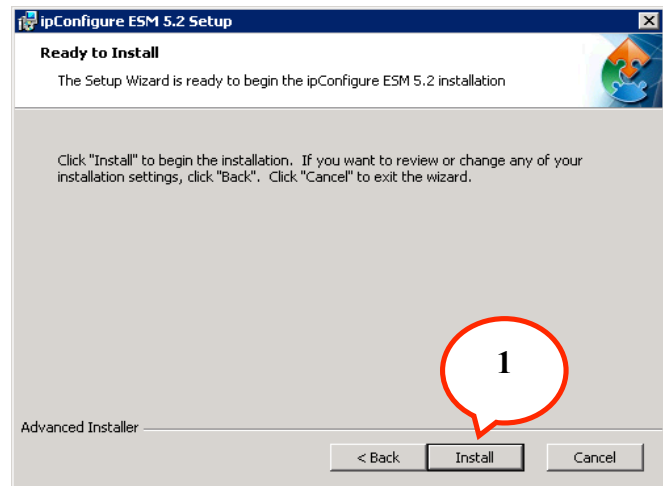
1. If you wish to use Active Directory, click 'Active Directory' and fill in appropriate fields under 'Active Directory Settings'
2. Enter the Fully Qualified Domain Name
3. Enter the Active Directory Group for ESM System Admins
4. Click Next >

**Step 8: System Properties**

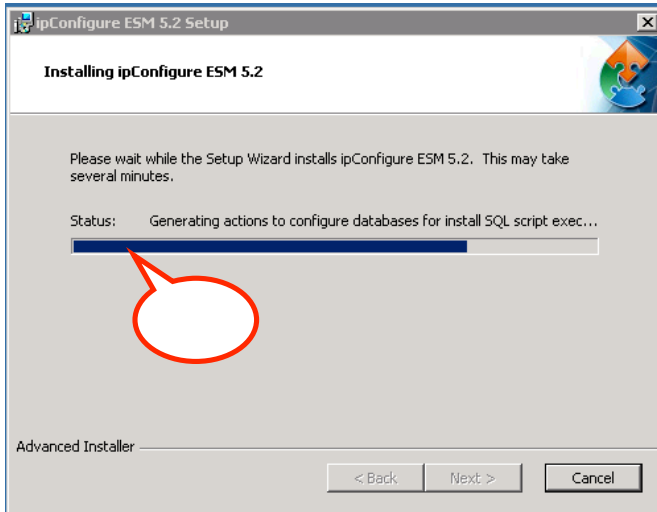
1. Enter System Title
  2. Enter Management Server IP (or DNS Name)
  3. Enter the Archive Server IP (or DNS Name)
- \*Note- If applicable, enter the following:
4. Enter SMTP Server
  5. Enter SMTP User Name
  6. Enter SMTP Password
  7. Click Next >

**Step 9: Installation Path: Select Folder**

1. Select folder destination for ESM 5.4 Web Service to be installed
2. If you do not know the folder name, click 'Browse...' to select folder
3. Click: Next >

**Step 10: Installation Ready**

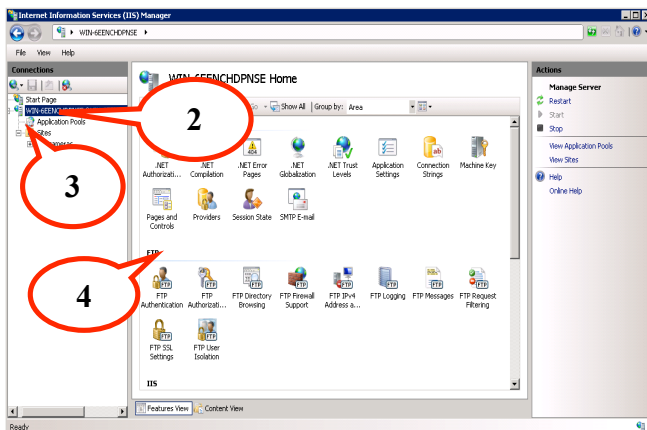
1. Click: Install

**Step 11: Installing Progress**

2. Track the progress of the installation

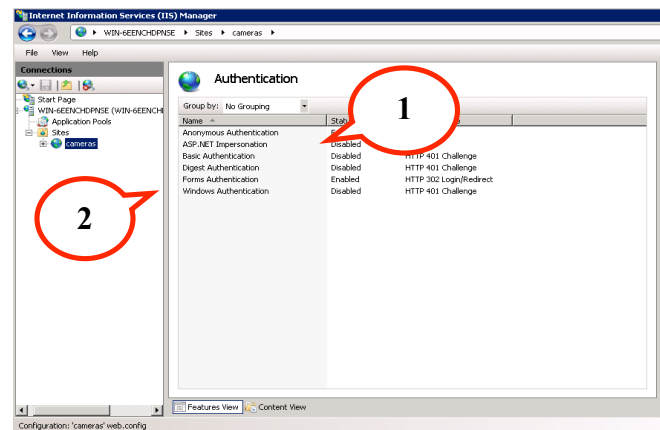
**Step 12: Installation Complete**

1. Click: Finish to exit the Setup Wizard

**Step 13: Open Internet Information Server (IIS)**

\*Note-Open IIS Manager from Start Menu\*

2. Select: Sites
3. Select: Cameras
4. Select: Authentication

**Step 14: Authentication**

1. Enable Anonymous Authentication
2. Enable Forms Authentication

\*Note- All others must be disabled\*

## ipConfigure ESM Archive Server Installation

This document provides a detailed explanation of how to perform an ipConfigure ESM Archive Server installation. The Archive Server Installation guide utilizes screen shots of an actual ESM system and includes a numbering methodology to reference screen attributes and reference to registry and database changes. Although the screen shots may look different, this same guide can be used for both a Windows 2003 Server and a Windows 2008 Server.

### Before Installing ESM, Install ipConfigure ESM Server Prerequisites

Please refer to the Prerequisite guides for setting up the server, all servers regardless if they are going to be a standalone system or an archive server need to be setup the same way.

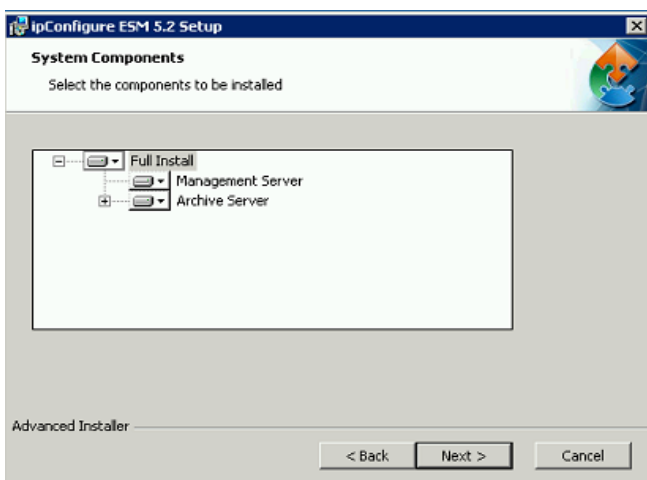
## ESM SETUP WIZARD

### Step 1: ESM Setup Wizard



1. Click Next >

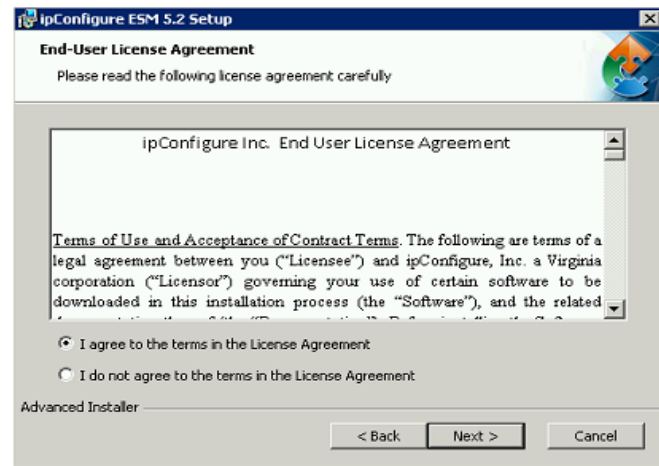
### Step 3: ESM – System Components Installation



1. Left Click on Management Server

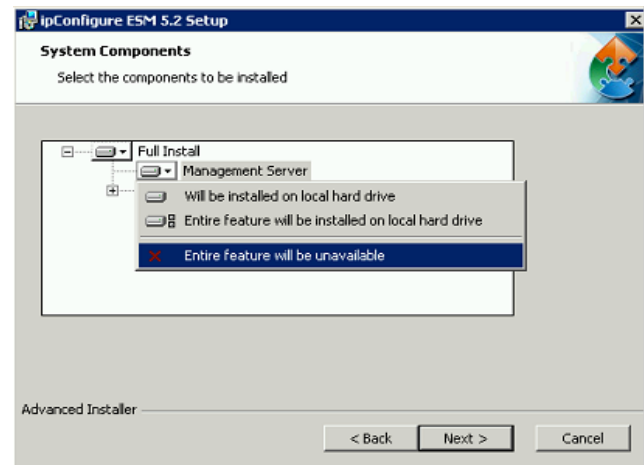
\*Note: This training document is demonstrating how to install a server to be an Archive Server.

### Step 2: ESM – License Agreement

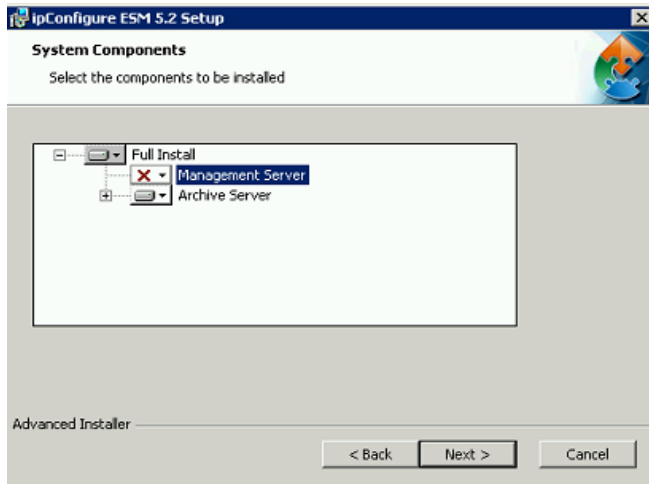


1. Read the License Agreement terms and select the "I agree" option.
2. Click Next >

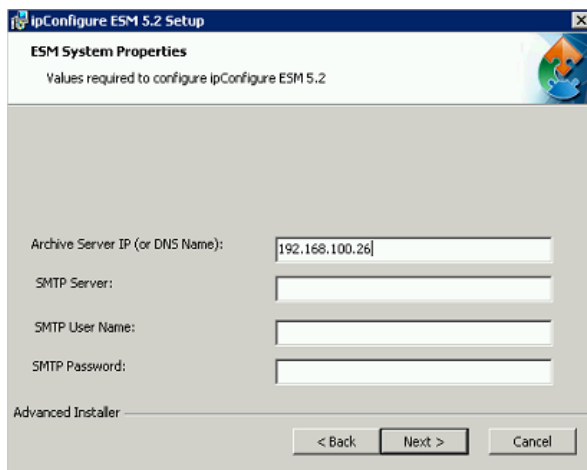
### Step 4: ESM – System Components Installation



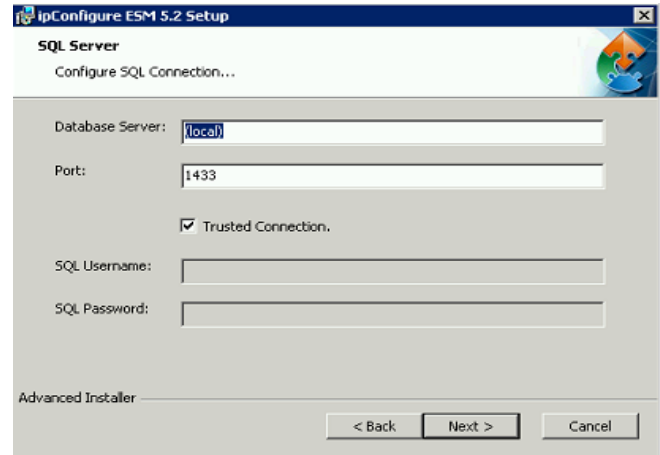
1. Left Click X Entire feature will be unavailable

**Step 5: ESM – System Components Installation**

1. Click Next >

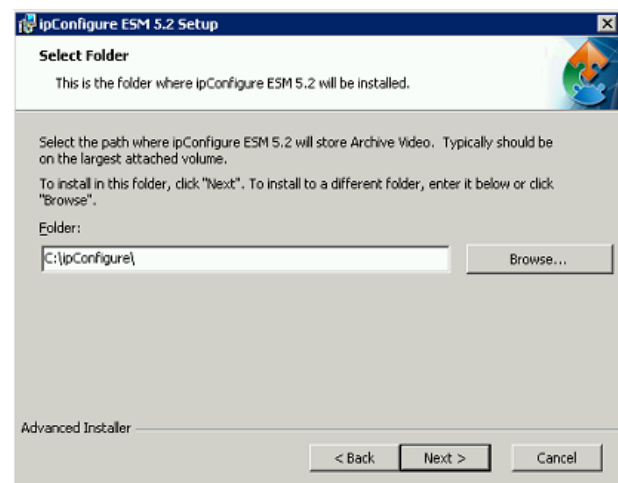
**Step 7: ESM – System Properties**

1. Enter the local Server IP Address that is going to be the archive server.
  2. Click Next >
- \*Note: The IP Address is the server you are installing ipConfigure on

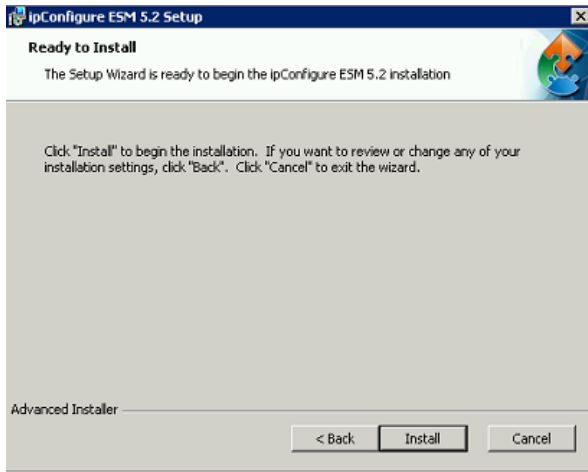
**Step 6: ESM – SQL Database Connection**

1. Enter the Server IP Address or leave local
2. Leave the Port at the default: 1433
3. Enter the SQL Username: **sa** or use trusted Connection if your local account has sysadm rights to SQL
4. Enter the SA account password that was created when SQL was installed.

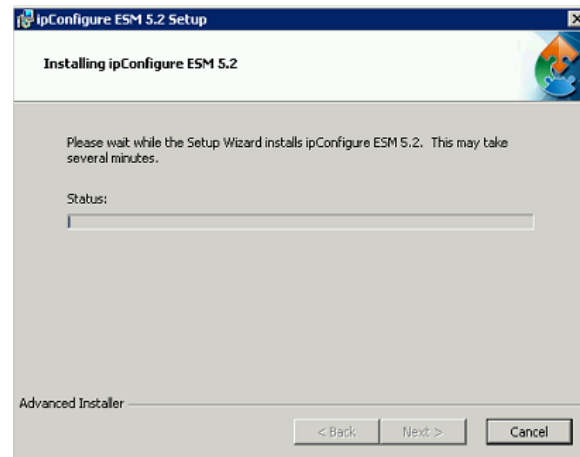
\*Note: On the Server Name or IP Address, it's preferred to use the IP Address over the DNS name.

**Step 8: ESM – Select Folder**

1. Browse to the hard drive that ipConfigure will be installed to.
2. Click Next >

**Step 9: ESM – Ready to Install**

1. Click Install

**Step 10: ESM – Installation Status**

An informational screen that will let you see the progress of the installation.

**Step 11: ESM – Installation Finished**

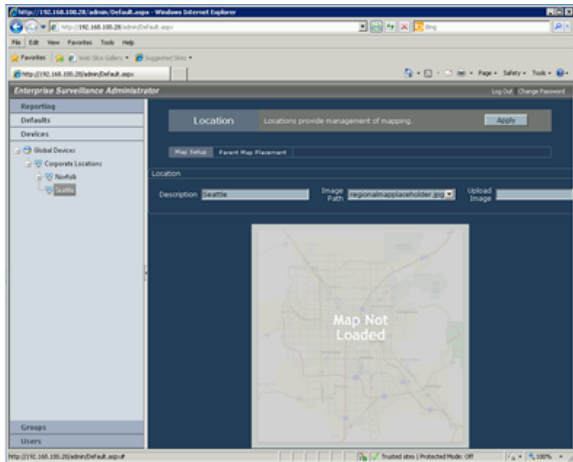
1. Click Finish

**Step 12: ESM – Login to the Management Server Administrator application**

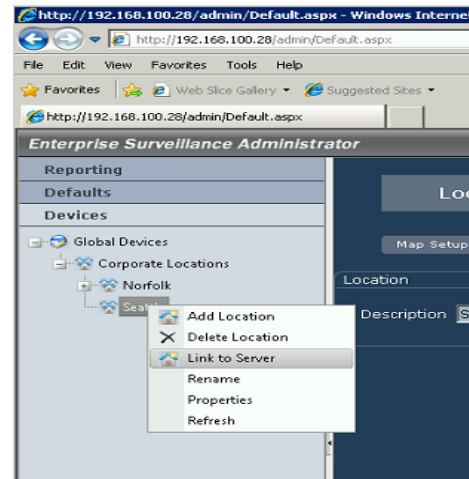
1. Enter User ID
2. Enter Password for the User ID

**LINKING THE ARCHIVE SERVER IN ESM**

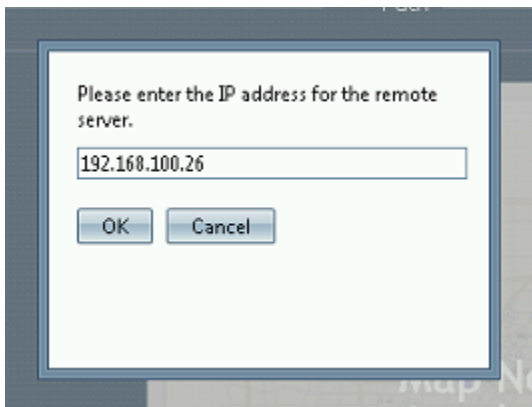


**Step 1: ESM – Linking the Archive Server**

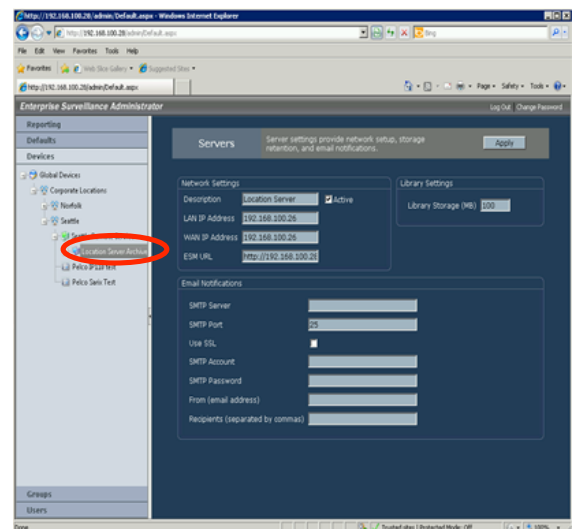
1. Select the Location or building that the Archive Server will be used to record to.

**Step 2: ESM – Linking the Archive Server**

1. Left Click on the "Link to Server Menu" selection.

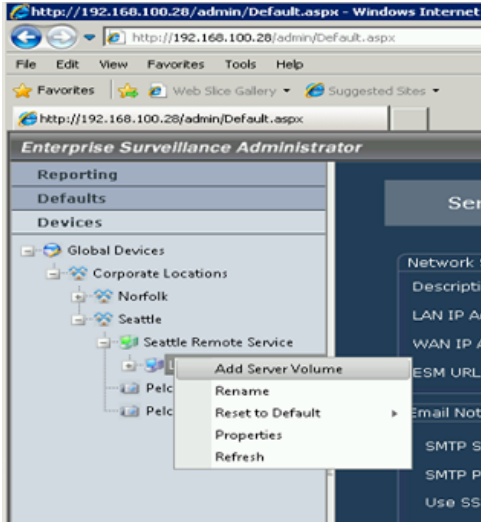
**Step 3: ESM – Linking the Archive Server**

1. Type in the IP address for the new Archive Server.
2. Click OK

**Step 4: ESM – Adding Server Volume**

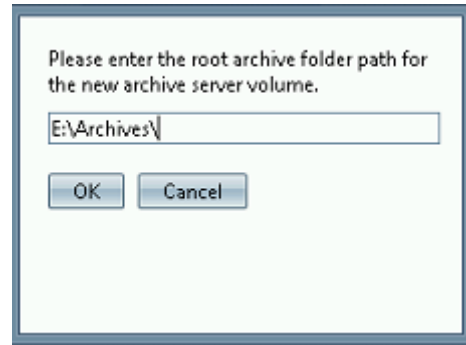
1. Right Click on the Location Server Icon

**Step 5: ESM – Add Server Volume**



1. Right Click on Location Server Archive
2. Click Add Server Volume

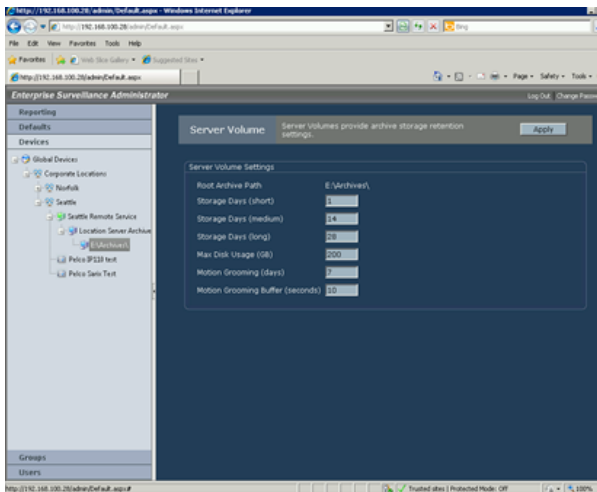
**Step 6: ESM – Add Server Volume**



1. When adding the location that the Archive Files will be located, please include the full path to the location.
2. Click OK

\*Note: The location on this screen shot is an example, your archive server may be on a different hard drive.

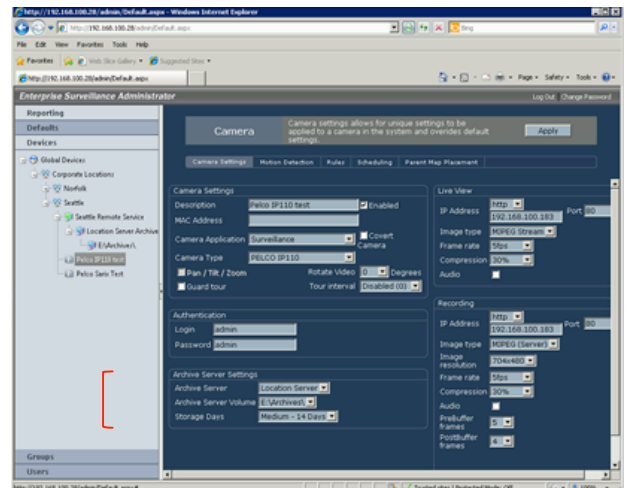
**Step 7: ESM – Archive Server Volume Properties**



1. Enter the amount of space on the Archive Servers Storage
2. Click Apply located at the top of the screen

\*Note: The drive that will be used as the Archive Storage drive needs to be a stand-alone drive with nothing else being used on this drive. The algorithms in the software calculate the total space of the drive and the amount of space allocated for storage use. Adding other items to the drive can cause issues with maintaining that algorithm.

**Step 8: ESM – Camera**



For the cameras that will be using the Archive Server for storage, find the settings in the Camera Setup Page under "Archive Server Settings"

1. Select Archive Server
2. Select Archive Server Volume
3. Select Storage Days
4. Click Apply

## Enterprise Surveillance Manager. Version 5.4 Add System Device

This document is designed to take a user through setting up a System (e.g., AMAG, Barix I/O, or P2000 – JCI) in ESM 5.4 and configure it to interact with other cameras and devices. This process will be explained using the following pre-defined scenario although applicable for any new system setup: Barix I/O setup as part of an Access Control Solution to allow interaction between events from Access Control I/O events with actions from devices in ESM. This is only a scenario and the processes followed could be used for any similar I/O setups or systems.

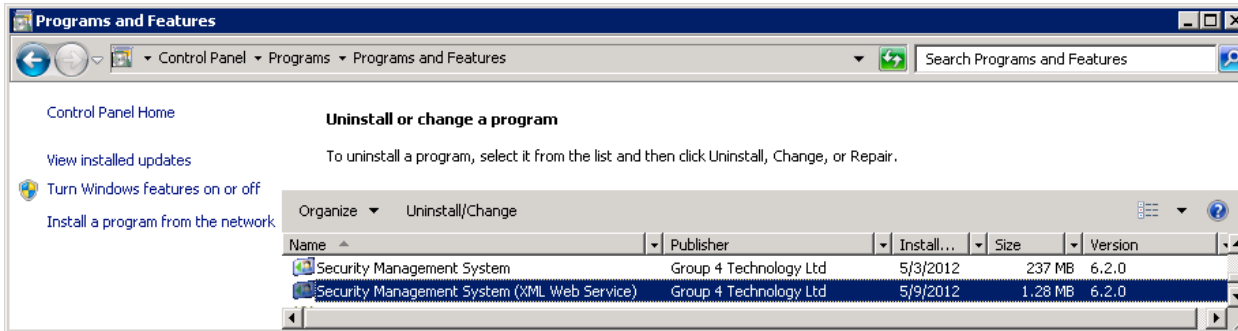
### SYSTEM SETUP REQUIREMENTS

Depending on which system you have selected there may be additional setup requirements needed on the system before ESM will be able to communicate with the distributed system.

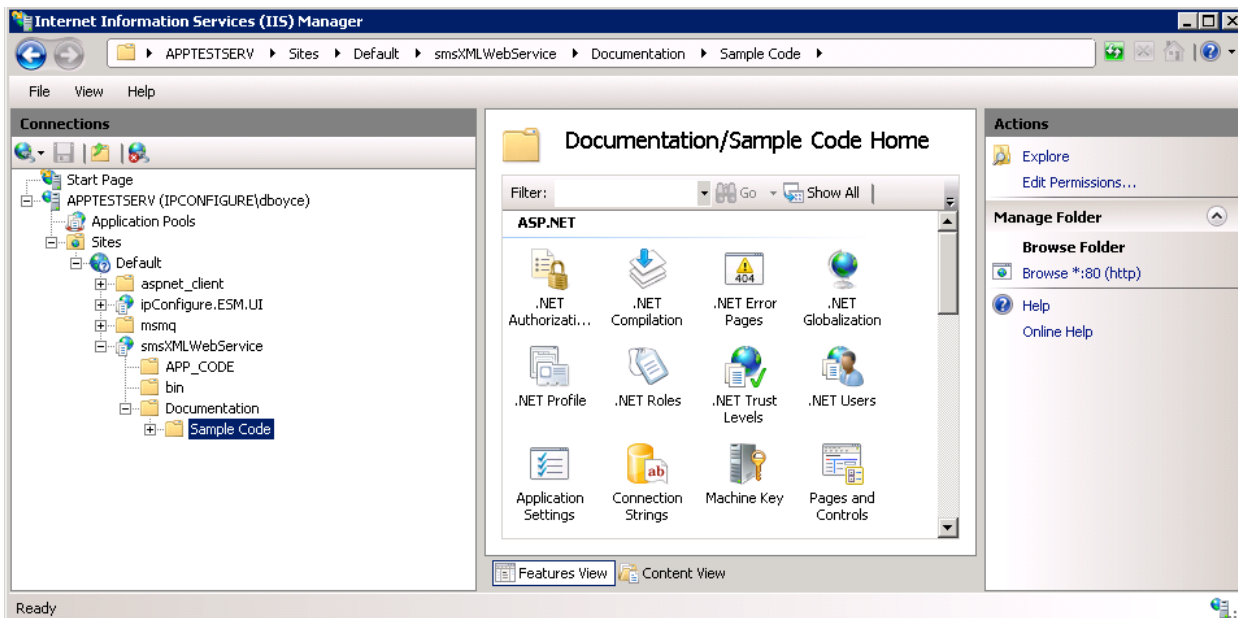
- AMAG – Security Management System (XML Web Service)
- Barix – No additional setup required on Barix Device
- P2000 JCI – Grant access to ESM

### AMAG Server Setup

ESM uses requires the Security Management System (XML Web Service) to be installed on the AMAG Access Control server.

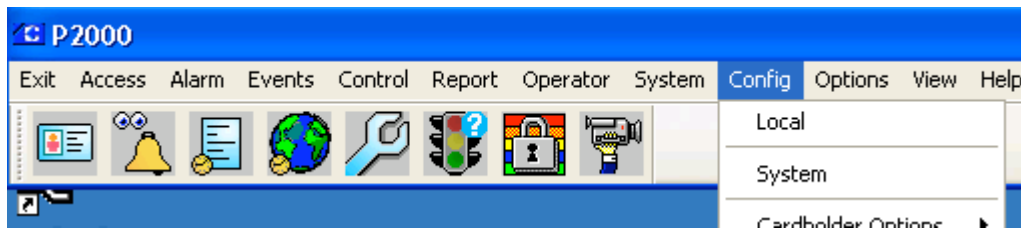


The XML Web Service SDK installer is available from AMAG (<http://www.amag.com/Products/Symmetry-Software/Additional-Software-Options/XML-Open-Integration-Module.aspx>). The SDK Setup installes a Web Service in IIS (smsXMLWebService) that ESM uses for communication.

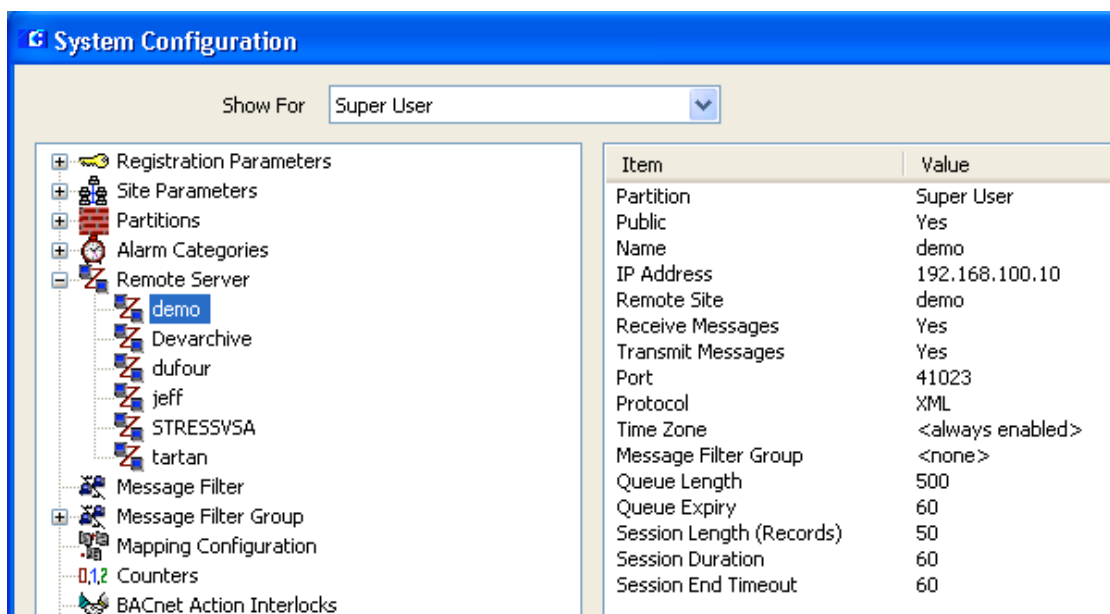


## P2000 JCI Server Setup

For ESM communication with the JCI system you need to add Remote Server access for ESM from the P2000 System application.



Select System to open the System Configuration. Navigate to the Remote Server and add a node for your ESM Server. The Default port is 41023 which is the same port you'll put in ESM for communication.

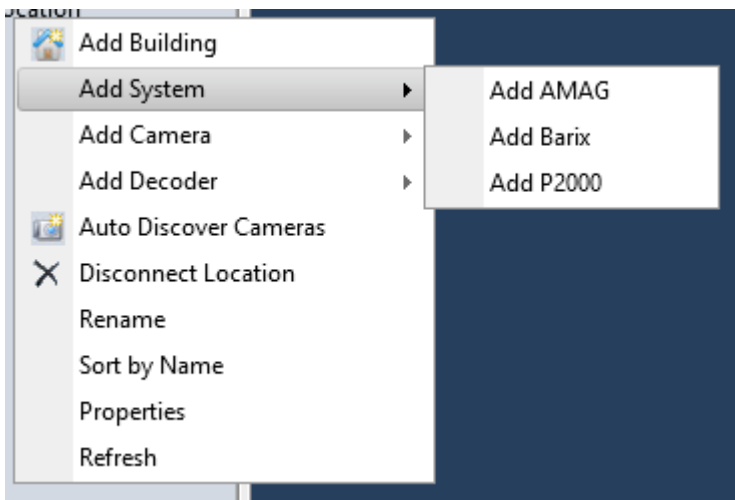


## GETTING STARTED

To begin you will need to log in to the Administrator portion of your ESM system ([http://\\*youripaddress\\*/admin](http://*youripaddress*/admin)). Also, you will need to setup the Barix device separately following their installation instructions before adding it to ESM. For more information please see the company's website (<http://www.barix.com/>)

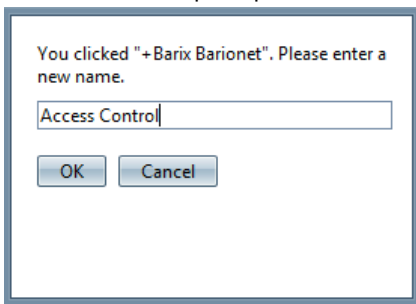
## ADDING TO ESM

The Barix device will be added as a system into one of your existing locations.



To add the device, right click on the location or building header, choose "Add System" and then click on "Add Barix"

You will then be prompted with a window to name the device. For our scenario we will be labeling it as "Access Control"



You will now be presented with a configuration page which will look like the following:

System
Settings: Integrate a 3rd party system into ESM. Apply

Settings
Rules
Parent Map Placement
Relationships

**Settings**

System Name

System Type

**Archive Server Settings**

Archive Server Select...

Storage Days

**Network Settings**

IP address

Port

**Authentication**

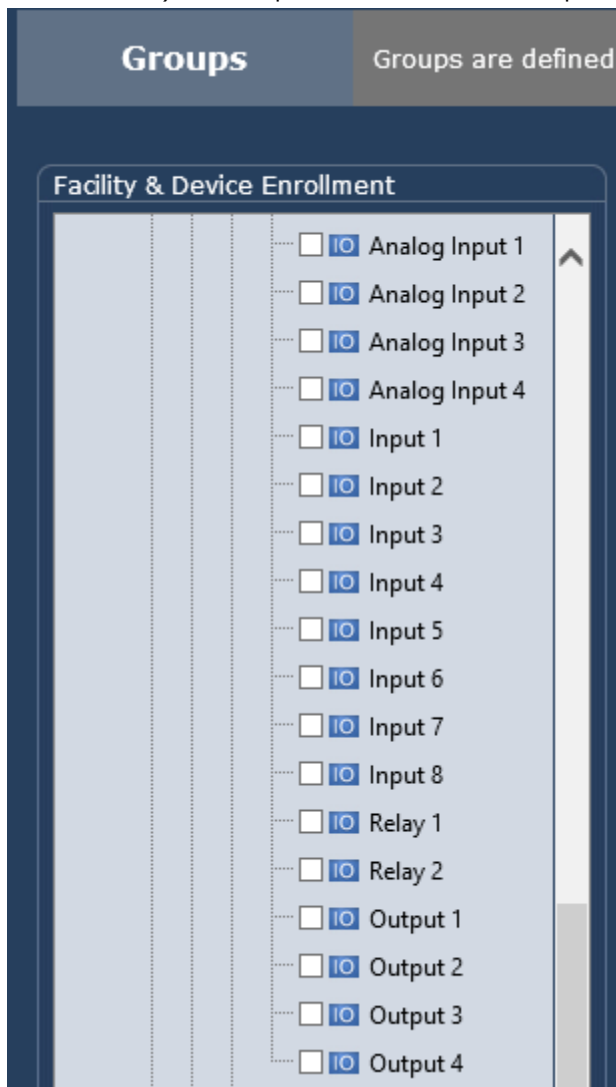
Login

Password

1. Insert the IP Address of the Barix Device. This address is programmed on the device when you are initially setting it up.
2. Enter the unique port in which was configured at the initial setup. \*for our scenario it is 12302\*
3. Choose which archive server it will be reporting and recording actions to.
4. Enter login information for the device if you have chosen to setup a username and password
5. After applying the above settings and refreshing the page the Device ports will show up. Here you can modify these to suit your needs as will be explained in the next section.
6. Archive Server Settings is related to the archive server responsible for saving events and how long you want to save events before purging.

## CONFIGURING DEVICE PORTS

The next step in the process is suggested as it will make the rules portion of the Barix setup much easier and intuitive for you. The Device Ports section corresponds to the physical ports that are present on the Barix device itself. The system ports will be automatically discovered and added to ESM. To see the ports click on Groups then a specific group (e.g., Administrator) and the ports will be listed in the parent tree for the Barix system.



Check which ports you want available for which group(s). Then those port(s) will be available for selection in the Devices tree.

## CONFIGURING RULES

The rules engine for the Barix device is where all actions and inputs are incorporated into ESM. The basic premise behind the rules engine is that for any specified action event that is triggered ESM will output a configured action. This guide will cover two scenarios but there are many more that can be configured into the system to customize to your needs.

**Scenario 1:** This scenario will go through the process of setting up a rule to trigger when a particular door is opened (Sales Door) that a specified PTZ camera will move to focus on the door.

To start click on the rules tab in the Barix configuration page.

This will bring up a page that will look similar to the below image.

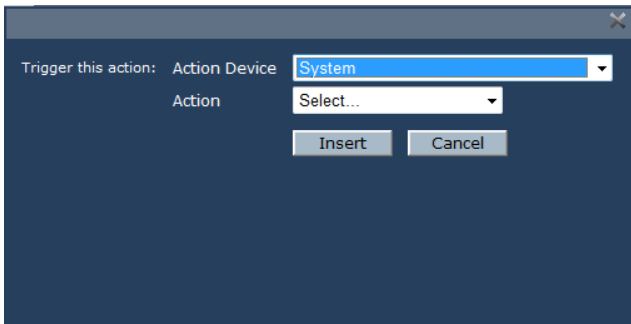
To add a new rule, click  which will take you to the Adding rule configuration page.

1. This section is for the device that you will be utilizing for the event action to trigger through. In this case it is the name of our Barix device "Access Control"
2. This area specifies what event will trigger the action that will be configured below. In the case of the Barix device this will be a choice between which input/output ports and whether when it is activated or deactivated.
3. This section is where the action that occurs when the event is triggered is configured.
4. This section is where conditions can be set on the rule. When a condition is triggered it will be used as a check point to decide if the action is triggered or ignored according to the parameters set.

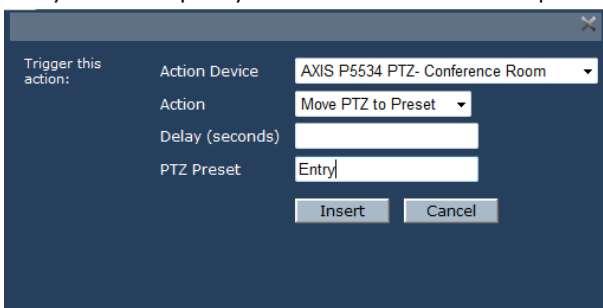
For the scenario we will chose our Barix Device as the "Event Device" and will choose the Event of "Sales Door Activated" to specify that we want the action to happen every time the Sales door is opened.

Next click the **Add Action** button to configure what action is desired when the event occurs. The screen will now present the action configuration page.

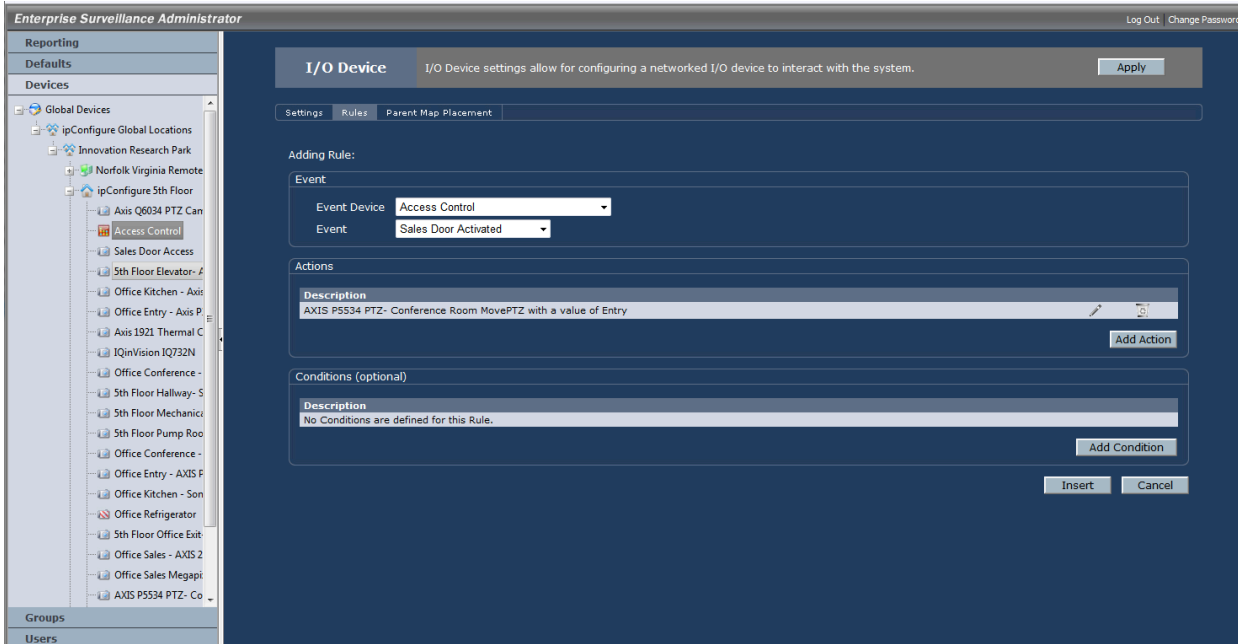




Much like before the Action device specifies what device the action will occur with (a PTZ camera in this case) and what action will be performed. For our scenario we will choose a PTZ camera that is in view of the door (Axis P5534PTZ – Conference Room). The action will be to “Move to PTZ present” (For setting up PTZ presents please refer to the cameras setup guide as well as the section for camera setup in the ipConfigure ESM 5.4 Admin guide). We will choose to not put any delay and will specify that it shall move to the preset “Entry” which is the name of the preset for the camera itself.



Clicking **Insert** will commit this action to the overall rule and return you to the “Adding Rule” page.



For the scenario we do not require any conditions so by clicking **Insert** the rule will be added to the database. With this rule every time the Sales door is opened this triggers an input on the Barix device. The PTZ camera will swing its view to the preset of “Entry” and give a clear shot of the door and who is entering or exiting.

**Scenario 2:** For this exercise we will use the Barix Device to trigger a camera to force record a camera when a door is opened for more than 15 seconds.

As before, the rule is configured from the rules tab by clicking **Add**. In this situation we will use the same Event Device of "Access Control" with the Event of the "Receiving Door Activated" which means it will trigger when the door is opened.

Click on **Add Action** to bring up the action configuration window. For the Action Device we will choose a camera in the same area as the Receiving door. The action will be set to "Force Record" with a Delay of 15 seconds and the record duration of 60 seconds so that it captures a minute worth of video after the event is triggered.

Clicking **Insert** will commit this action to the overall rule and return you to the "Adding Rule" page. This rule is now set to dictate that if the relay stays open for more than 15 seconds (the delay period) then to force record for 1 minute.

## CONCLUSION

The Barix device teamed with the rules and flexibility of ESM give the user and administrators numerous ways to customize their security system to suite not only the needs but the wants of an organization. The scenarios outlined in this guide are only two of a vast number of various configurations that can be employed using ESM teamed with a Barix device.

For Questions about ipConfigure products or Barix integration please contact the ipConfigure Sales team at 1-877-207-1112 or by email at [sales@ipconfigure.com](mailto:sales@ipconfigure.com)

For technical support with this feature or any of the other ipConfigure product lines please submit a support ticket to the ipConfigure Technical Support team by visiting [www.ipconfigure.com/support](http://www.ipconfigure.com/support) or emailing the team at [techsupport@ipconfigure.com](mailto:techsupport@ipconfigure.com)

## ipConfigure ESM 5.4 Uninstall Process

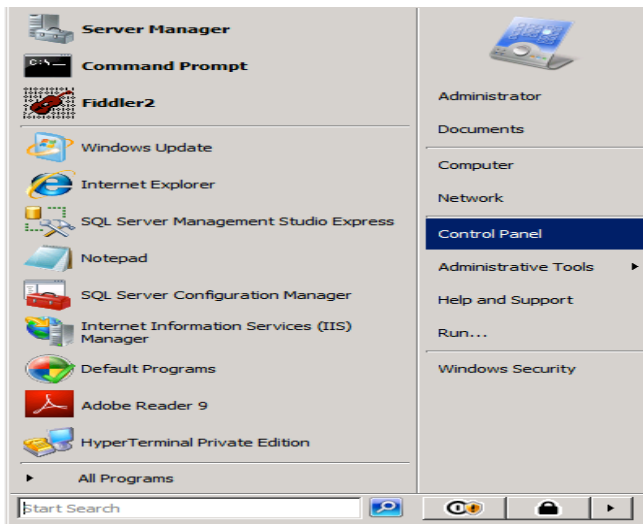
This document provides a detailed explanation of how to perform a server uninstall of ESM ipConfigure. The Uninstall guide utilizes screen shots of an actual ESM system on a Windows 2008 Server.

This document walks you through uninstalling ESM 5.4 and the ipConfigure Embedded Media Player, Deleting SQL Databases and SQL Security Accounts, along with verifying the site is deleted and the Registry entry has been deleted also.

**\*Please note - This process is for removing ESM entirely from the system as this will remove all ESM data from the system\***

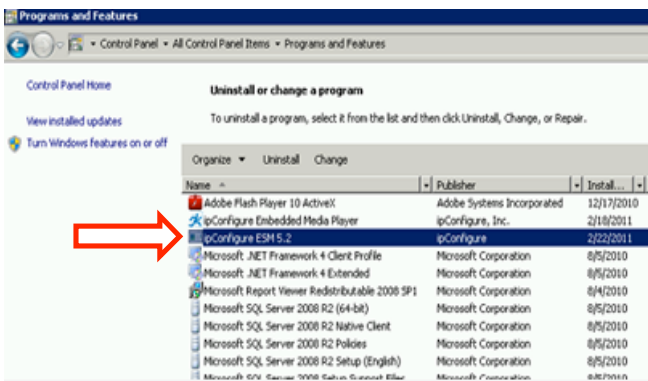
### IPCONFIGURE SOFTWARE UNINSTALL PROCESS

#### Step 1: Control Panel – Programs and Features



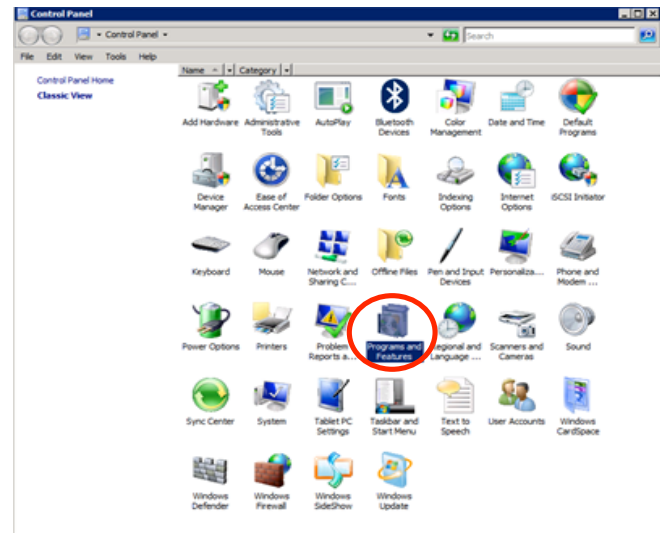
1. Click Start
2. Click Control Panel

#### Step 3: Control Panel – Programs and Features – Uninstall ESM 5.4



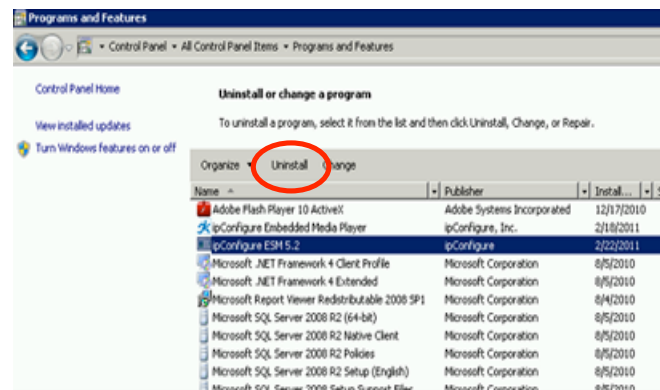
1. Find ipConfigure ESM 5.4
2. Click on ipConfigure ESM 5.4

#### Step 2: Control Panel – Programs and Features



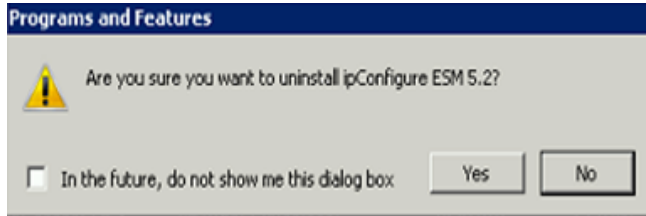
1. Right Click Programs and Features

#### Step 4: Control Panel – Programs and Features – Uninstall ESM 5.4



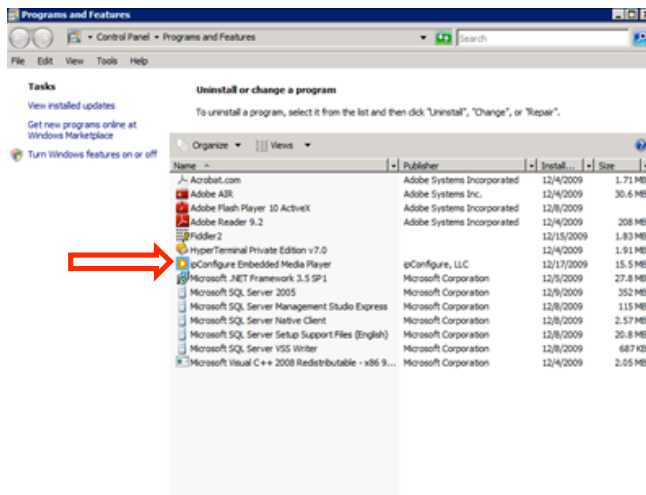
1. Click on Uninstall

### Step 5: Control Panel – Programs and Features – Uninstall ESM 5.4



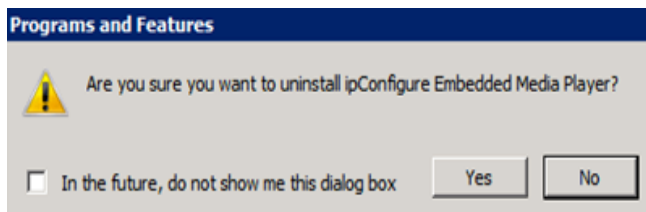
1. Click Yes

### Step 7: Control Panel – Programs and Features – Uninstall ipConfigure Embedded Media Player



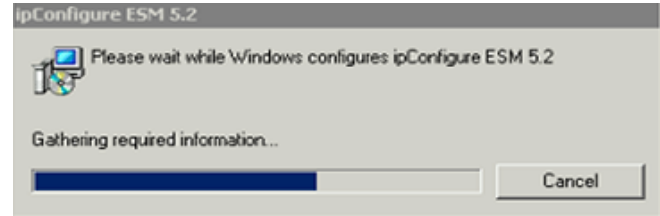
1. Find ipConfigure Embedded Media Player

### Step 9: Control Panel – Programs and Features – Uninstall ipConfigure Embedded Media Player – Confirmation



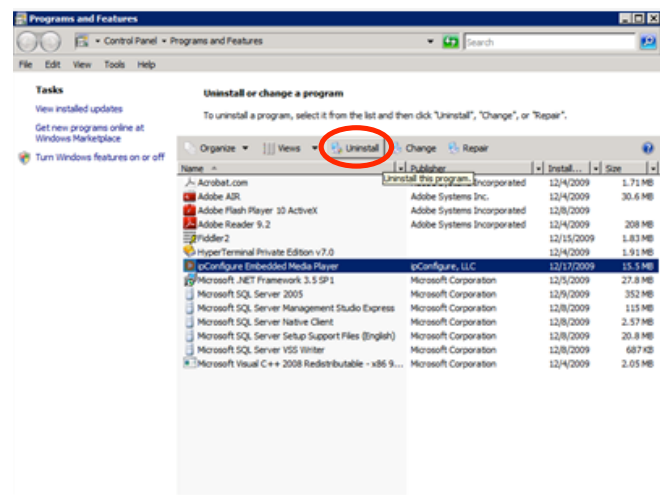
1. Click Yes

### Step 6: Control Panel – Programs and Features – Uninstall ESM 5.4



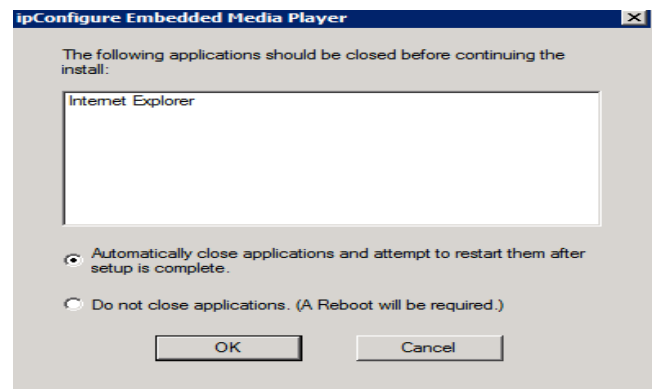
Uninstall Progress

### Step 8: Control Panel – Programs and Features – Uninstall ipConfigure Embedded Media Player



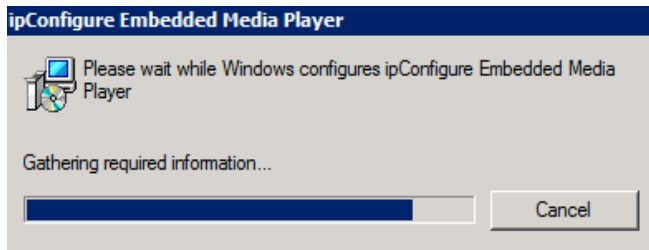
1. Click Uninstall

### Step 10: Control Panel – Programs and Features – Uninstall ipConfigure Embedded Media Player



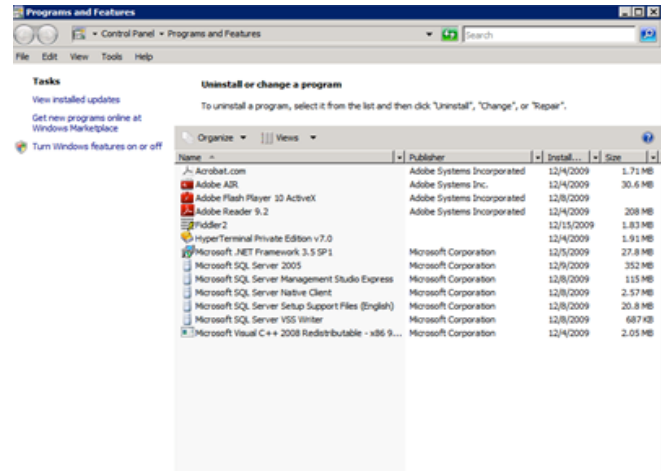
1. If you have Internet Explorer open, please close Internet Explorer
2. Click Ok

### Step 11: Control Panel – Programs and Features – Uninstall ipConfigure Embedded Media Player –



Delete Processing

### Step 12: Programs and Features – Verification



1. Verify that the ipConfigure Embedded Media Player has been removed from the list.
2. Close the Programs and Features window.
3. Close the Control Panel window.

## MICROSOFT SQL MANAGEMENT STUDIO EXPRESS – DELETE DATABASES

### Step 1: Microsoft SQL Management Studio Express – Open



1. Open up Microsoft SQL Management Studio Express.

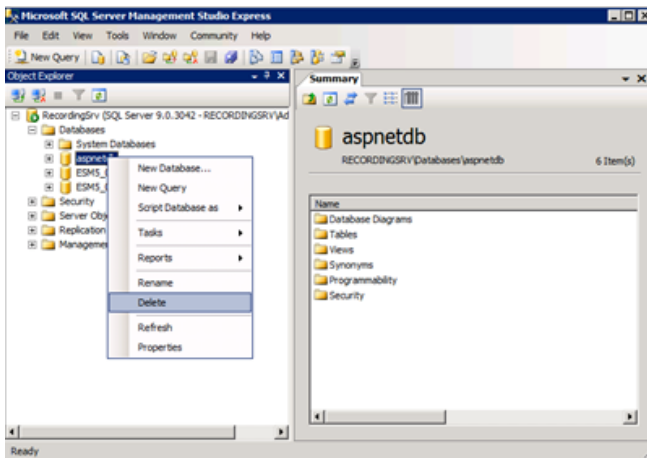
### Step 2: Microsoft SQL Management Studio Express



Note: For documentation purposes, the **Server Name** is different from your server name.

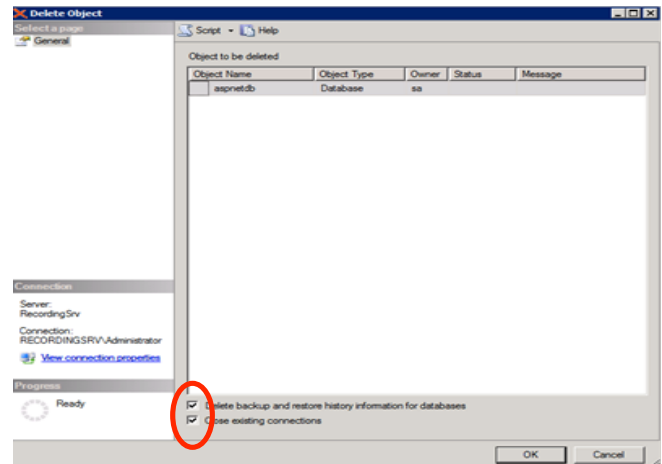
1. Click Connect

### Step 3: Microsoft SQL Management Studio Express – Delete aspnetdb



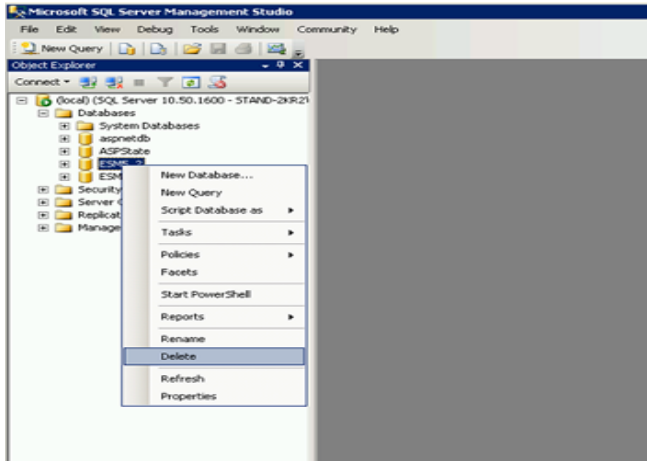
1. Expand Databases
2. Left Click on aspnetdb
3. Right Click on Delete

### Step 4: Microsoft SQL Management Studio Express – Delete aspnetdb



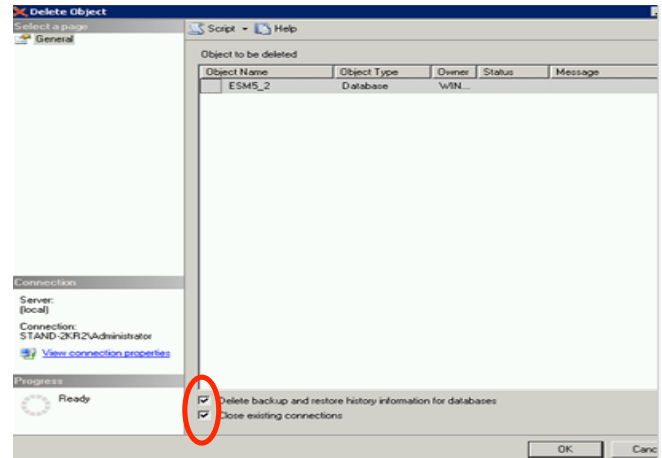
1. Place a checkmark in 'Delete backup and restore history information for databases' (there usually is already a checkmark here).
2. Place a checkmark in 'Close Existing Connections'.
3. Click OK

### Step 5: Microsoft SQL Management Studio Express – Delete ESM5\_3



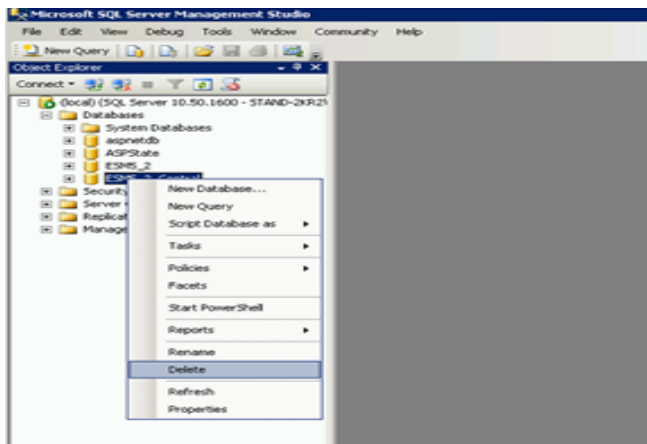
1. Left Click ESM\_3
2. Right Click Delete

### Step 6: Microsoft SQL Management Studio Express – Delete ESM5\_3



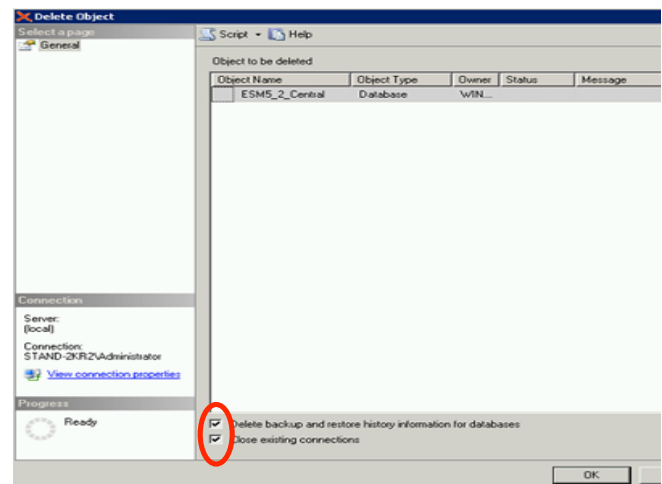
1. Place a checkmark in 'Delete backup and restore history information for databases' (there usually is already a checkmark here).
2. Place a checkmark in 'Close Existing Connections'
3. Click OK

### Step 7: Microsoft SQL Management Studio Express – Delete ESM5\_3\_Central



1. Left Click ESM5\_3\_Central
2. Right Click Delete

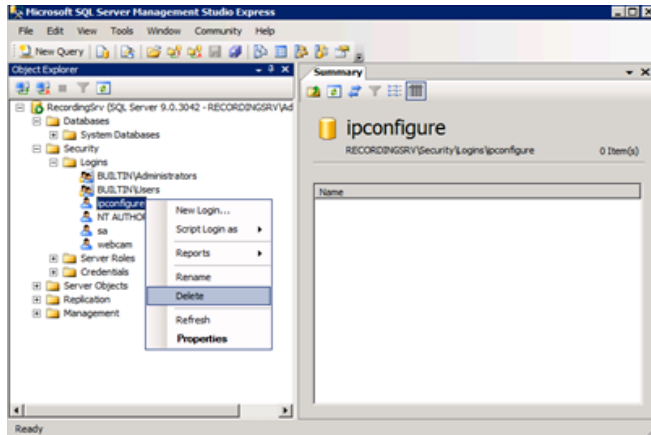
### Step 8: Microsoft SQL Management Studio Express – Delete ESM5\_3\_Central



1. Place a checkmark in 'Delete backup and restore history information for databases' (there usually is already a checkmark here).
2. Place a checkmark in 'Close Existing Connections'
3. Click OK

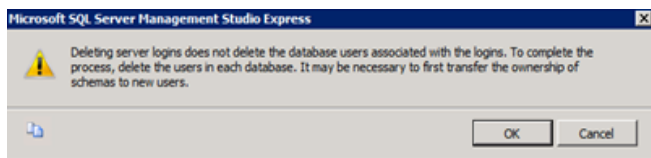


### Step 9: Microsoft SQL Management Studio Express – Logins – Delete ipconfigure



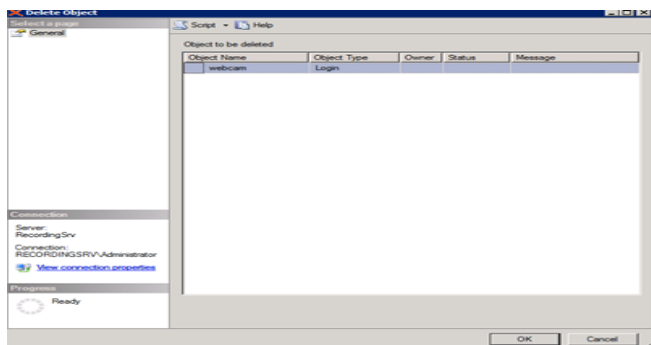
1. Left Click ipconfigure
2. Right Click Delete

### Step 11: Microsoft SQL Management Studio Express – Logins – Delete ipconfigure – Confirmation Screen



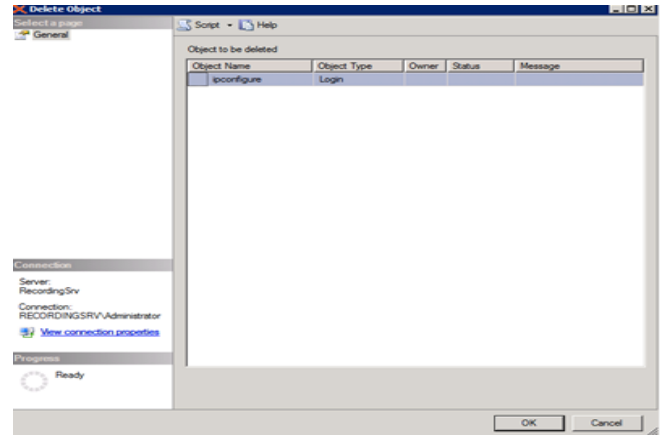
1. Click OK

### Step 13: Microsoft SQL Management Studio Express – Logins – Delete ipconfigure



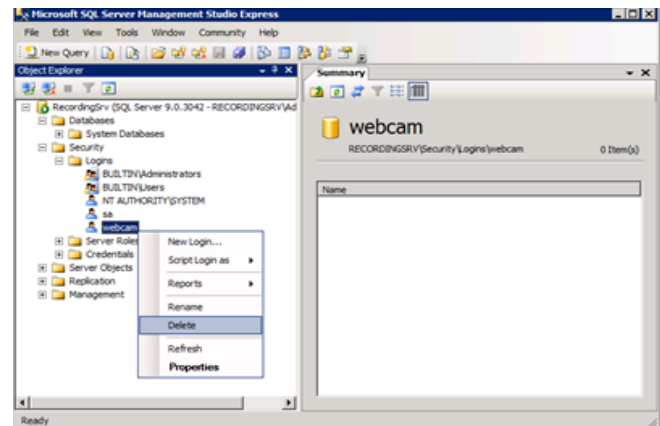
1. Click OK

### Step 10: Microsoft SQL Management Studio Express – Logins – Delete ipconfigure



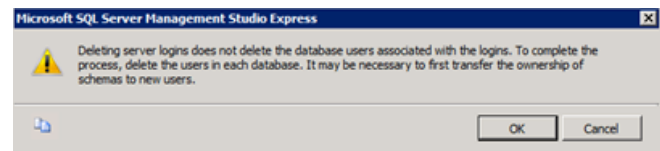
1. Click OK

### Step 12: Microsoft SQL Management Studio Express – Logins – Delete webcam



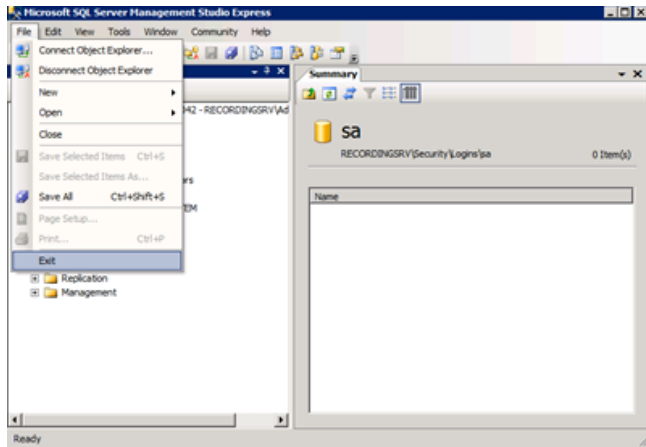
1. Left Click webcam
2. Right Click Delete

### Step 14: Microsoft SQL Management Studio Express – Logins – Delete ipconfigure



1. Click OK

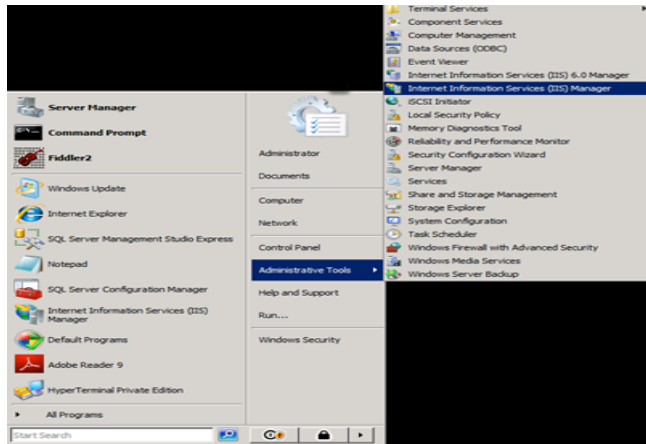
## Step 15: Microsoft SQL Management Studio Express – Exit



1. Click File
2. Click Exit

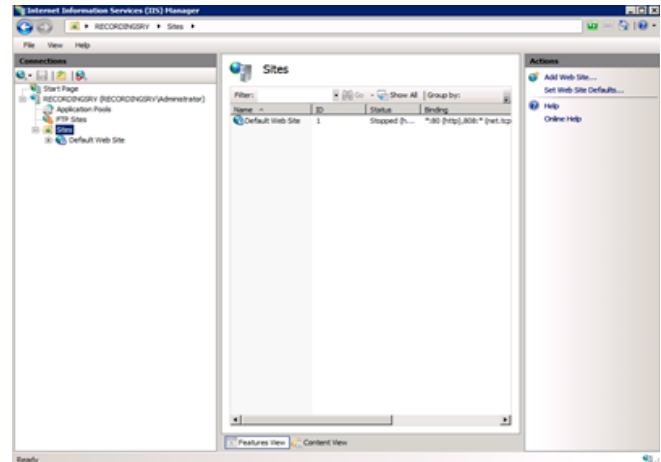
## INTERNET INFORMATION SERVICES (IIS) MANAGER - DELETE CAMERA WEBSITE

### Step 1: Microsoft Internet Information Services (IIS) Manager



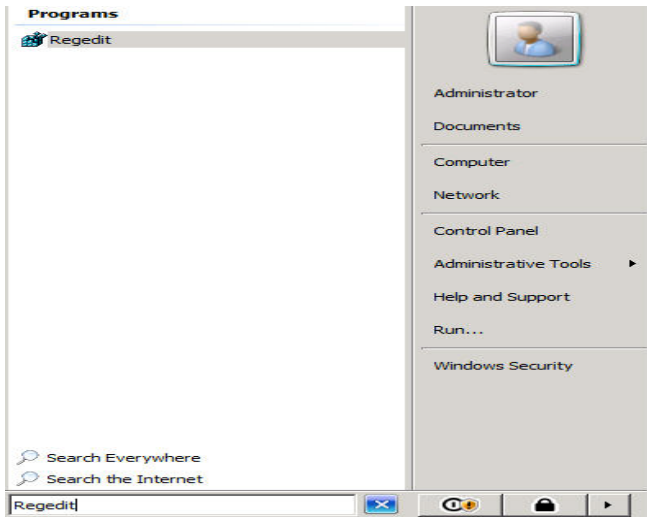
1. Click Start
2. Click Administrative Tools
3. Click Internet Information Services (IIS) Manager

### Step 2: Microsoft Internet Information Services (IIS) Manager – Sites

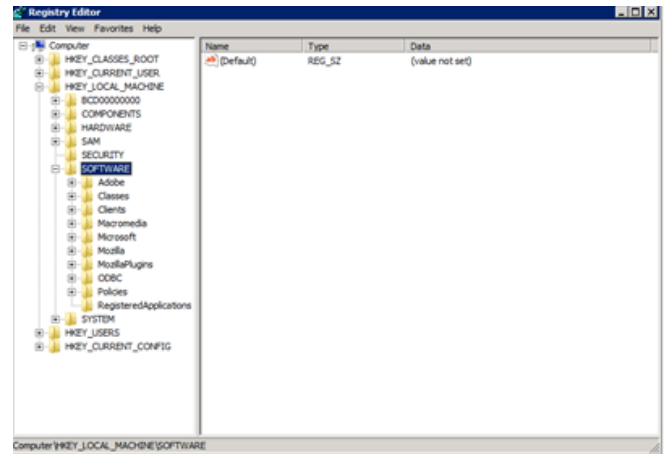


1. Verify that there is not a Camera Web Site under Sites
2. Click File
3. Click Exit

\*Note: If there is a site named Cameras, right click on the Cameras name and delete it.

**DELETE REGISTRY ENTRY/VERIFY REGISTRY****Step 1: Registry – Open**

1. Start Regedit

**Step 2: Registry –HKEY\_LOCAL\_MACHINE Software/ipConfigure/Service**

1. Open up HKEY\_LOCAL\_MACHINE
2. Open up Software
3. Verify that there is not an ipConfigure Entry



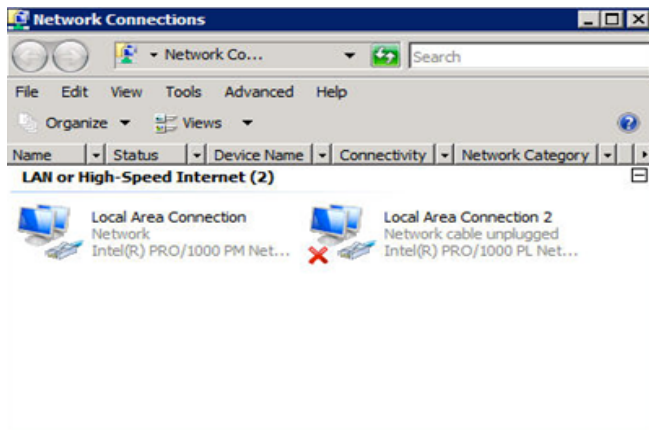
## ipConfigure 5.4 Changing IP Address Guide (Server 2008)

This document provides detailed instructions on what needs to be done on a 2008 server if the IP Address is used for installation. This document will cover the areas in Microsoft SQL, Local Server System Properties, the network card, two web.config files, and the Registry, that will need to be updated as well. The Server 2008 Change IP Guide utilizes screen shots of an actual 2008 Server ESM 5.4.

Note: For the purpose of this training document, the Old Server IP Address is: 192.168.100.24. The new IP Address is 192.168.100.25 to help you see where the changes are taking place within the screen shots. When requesting to Edit and change the old IP Address to the new, please use your IP Address.

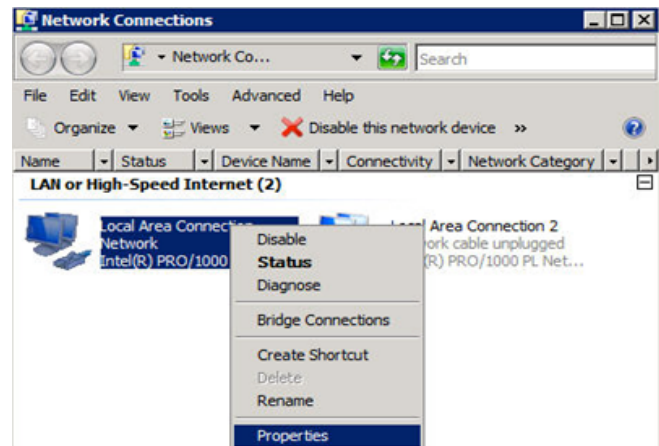
### IP ADDRESS CHANGE – NETWORK CONFIGURATION

#### Step 1: Network Card Configuration – Network Connections



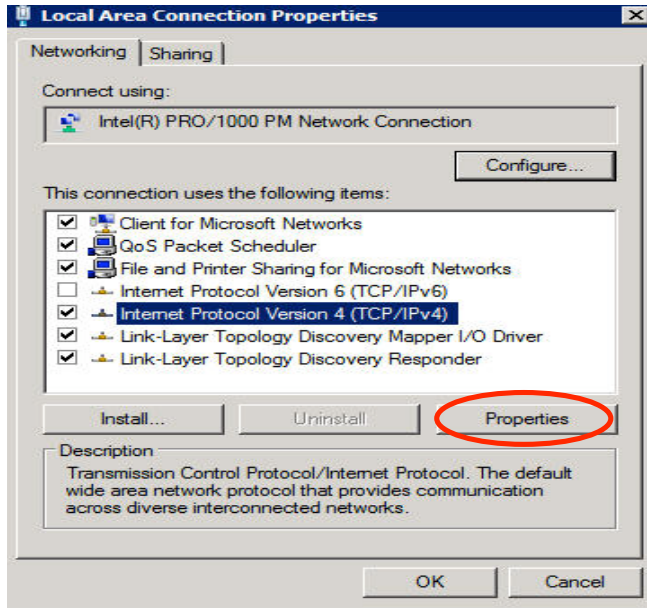
1. Open Network Connections.

#### Step 2: Network Card Configuration – Network Connections



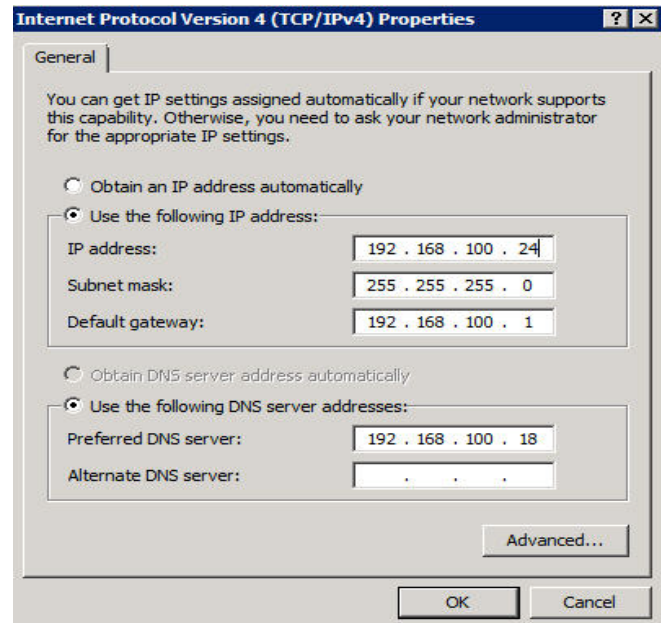
1. Right Click on the Network Card that has the IP Address that needs to be changed.
2. Click Properties

### Step 3: Network Connections – Local Area Connection Properties



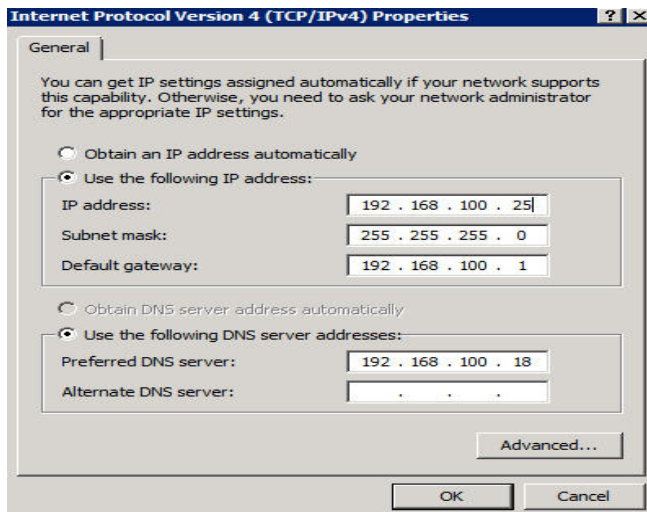
1. Click Internet Protocol Version 4 (TCP/IPv4)
2. Click Properties

### Step 4: Internet Protocol Version 4 (TCP/IPv4) Properties



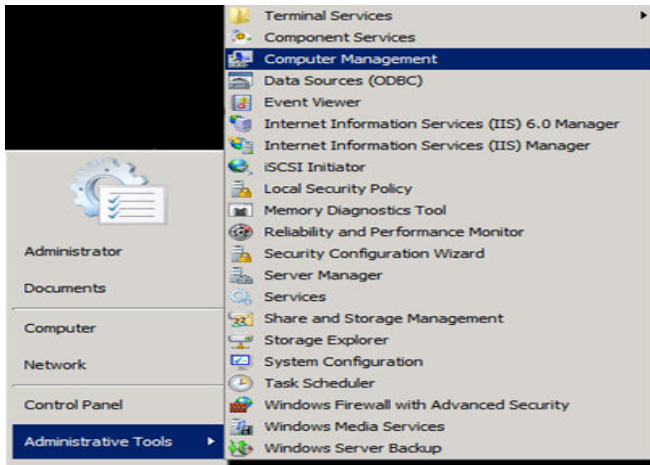
1. Locate the IP address and change it to the new IP address.

### Step 5: Internet Protocol Version 4 (TCP/IPv4) Properties

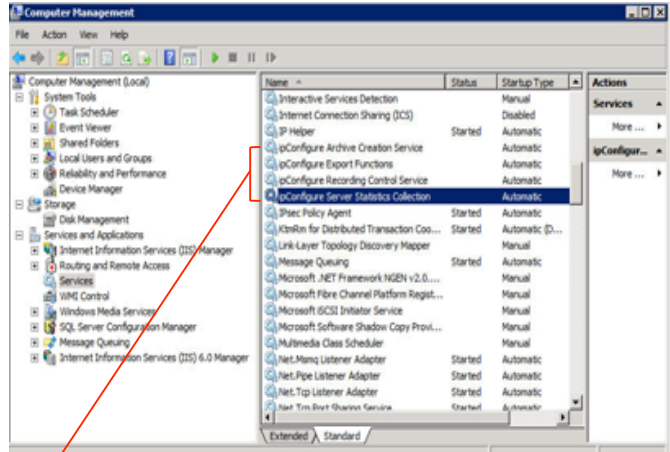


1. IP address updated.
2. Click OK

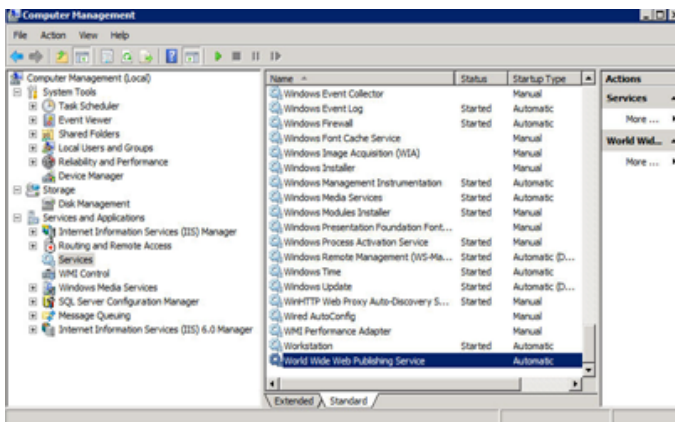
## IP ADDRESS CHANGE - STOP SERVICES

**Step 1: Services – Computer Management**

1. Click on Start
2. Click on Administrative Tools
3. Click on Computer Management

**Step 2: Computer Management – Services – ipConfigure****The 4 ipConfigure Services need to be stopped**

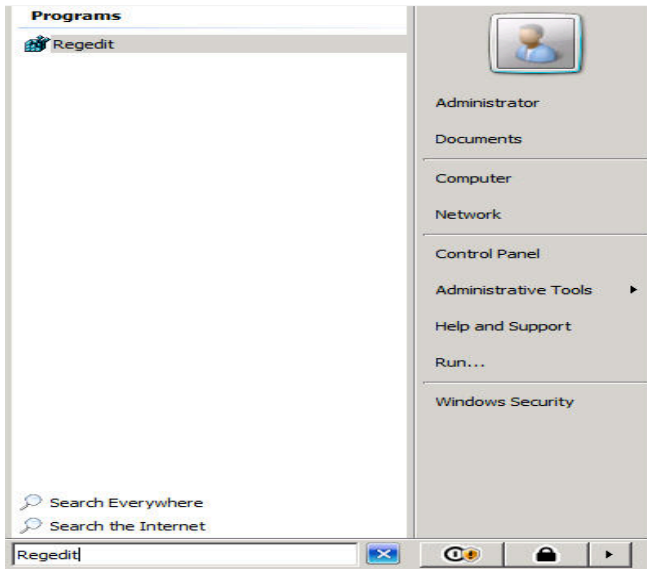
1. Stop ipConfigure Archive Creation Service
2. Stop ipConfigure Export Functions
3. Stop ipConfigure Recording Central Service
4. Stop ipConfigure Server Statistics Collection

**Step 3: Computer Management Services – World Wide Web**

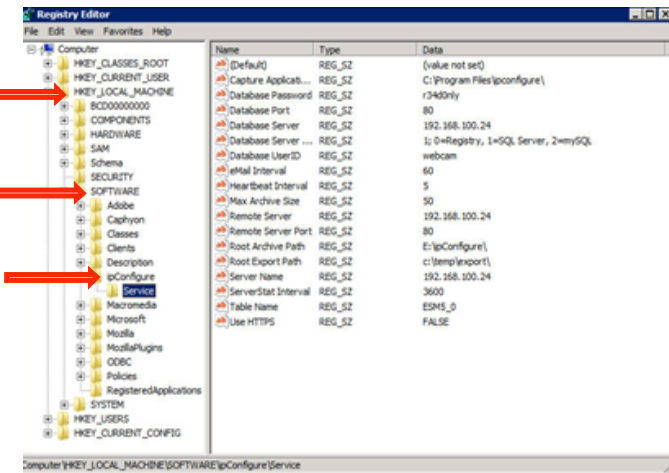
1. Stop the World Wide Web Publishing Service

**IP ADDRESS CHANGE – UPDATE REGISTRY**

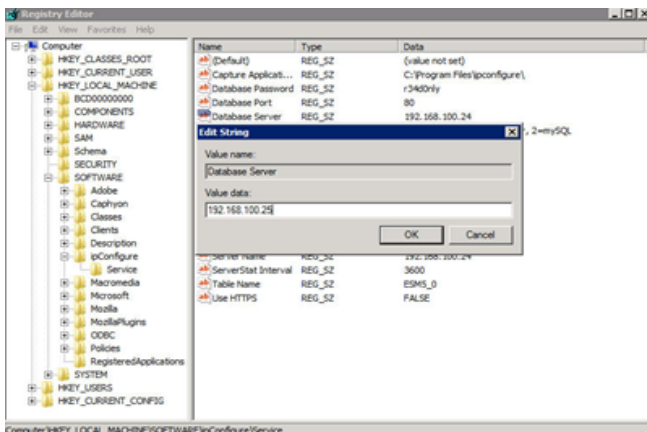


**Step 1: Registry – Open**

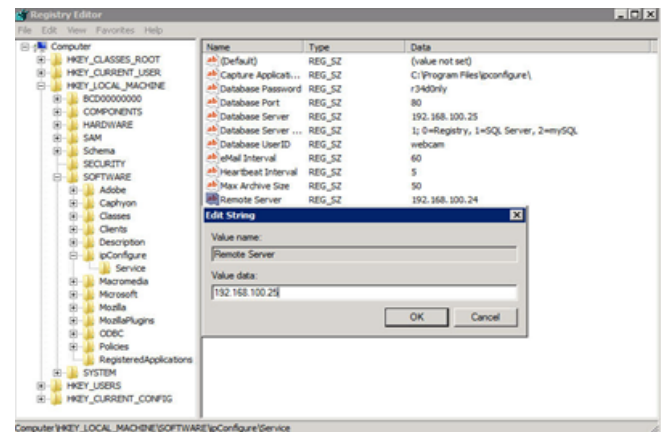
1. Start Regedit

**Step 2: Registry – HKEY\_LOCAL\_MACHINE Software/ipConfigure/Service**

1. Open up HKEY\_LOCAL\_MACHINE
2. Open up Software
3. Open ipConfigure
4. Open Service

**Step 3: Registry – Database Server**

1. Look for Database Server, it will be your old IP Address.
2. Enter new IP Address

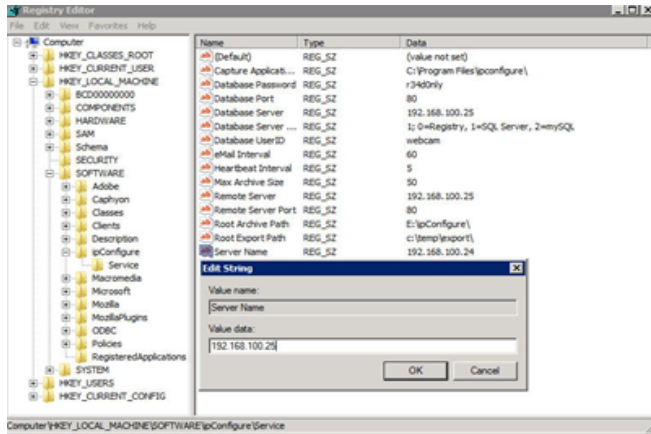
**Step 4: Registry – Remote Server**

1. Look for the Remote Server.

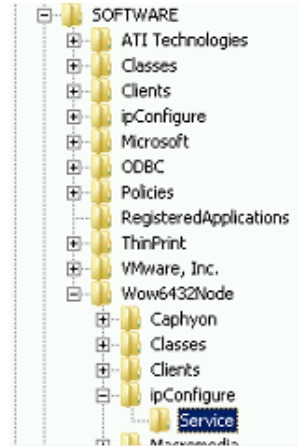
Change the entry from the old IP Address to the new IP Address.

\*For this training documentation, the Remote Server entry 192.168.100.25 has been updated from the old IP Address of 192.168.100.24

2. Please input your IP Address here.

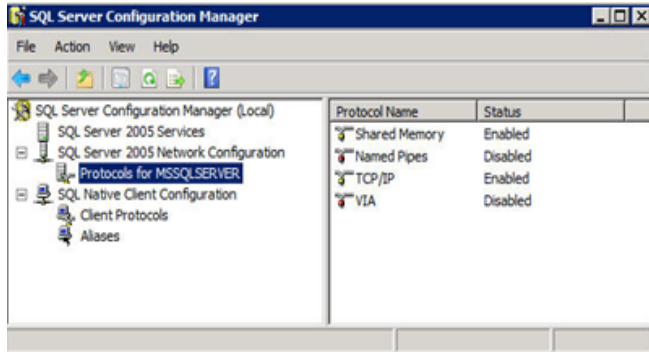
**Step 5: Registry – Server Name**

1. Look for Remote Server, it will be your old IP Address.
2. Please input your IP Address here.

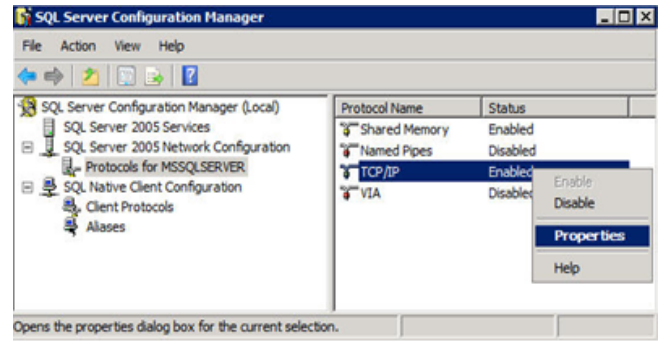
**Step 6: Registry – HKEY\_LOCAL\_MACHINE Software\Wow6432Nod/ipConfigure/Service**

1. For 64 bit OS, make the same changes to the second set of registry keys found at the path above in the screenshot.  
(Software>Wow6432\Node>ipConfigure>Services)

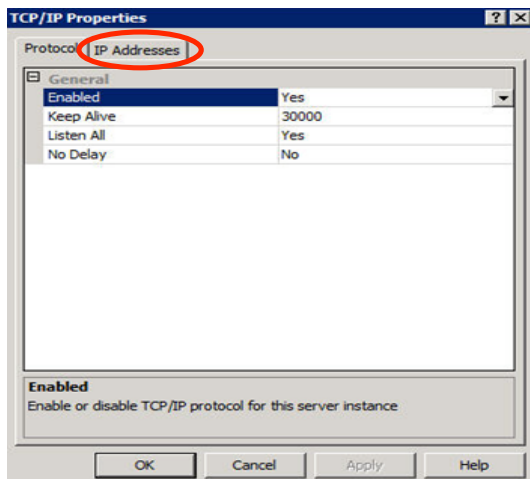
**IP ADDRESS CHANGE – UPDATE MICROSOFT SQL SERVER CONFIGURATION**

**Step 1: Microsoft SQL Server Configuration Manager**

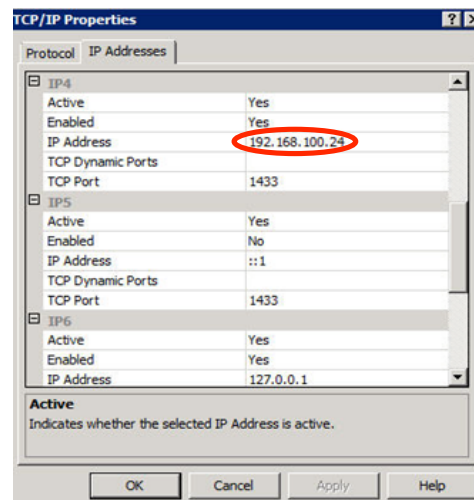
1. Right Click on Protocols for MSSQLSERVER

**Step 2: Microsoft SQL Server Configuration Manager**

1. Right Click on TCP/IP
2. Click on Properties

**Step 3: Microsoft SQL Server Configuration Manager – TCP/IP Properties**

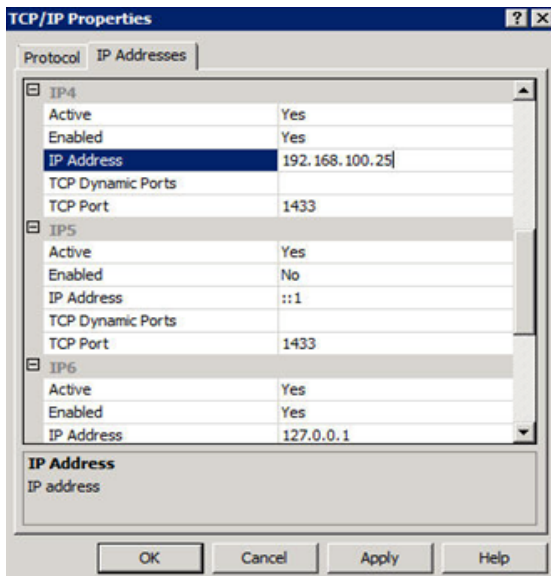
1. Click on the IP Addresses Tab

**Step 4: Microsoft SQL Server Configuration Manager – TCP/IP Properties**

1. Locate the old IP Address

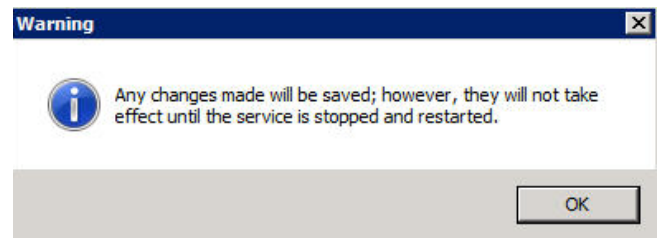
For training purposes, we are looking for 192.168.100.24. However in your network environment, the IP Address will be different. Please find your IP Address.

**Step 5: Microsoft SQL Server Configuration Manager – TCP/IP Properties****Step 6: Microsoft SQL Server Configuration Manager**



### 1. IP Address Updated

For training purposes, we are changing the IP Address to 192.168.100.25. However in your network environment, the IP Address will be different. Please use your new IP Address.



1. Click OK

## IP ADDRESS CHANGE – UPDATE MICROSOFT SQL MANAGEMENT STUDIO EXPRESS

### Step 1: Microsoft SQL Management Studio Express – Open



1. Open up Microsoft SQL Management Studio Express

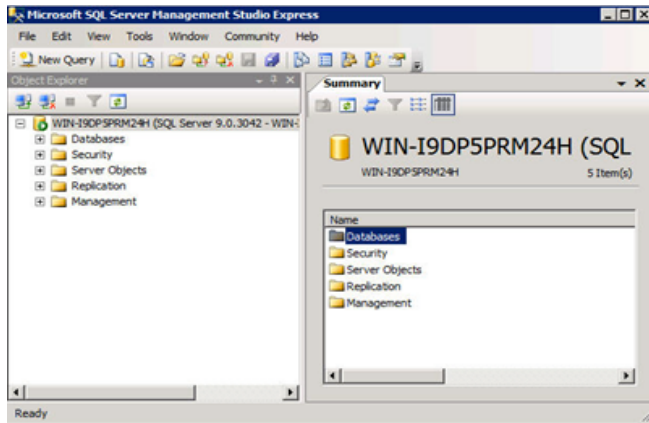
### Step 2: Microsoft SQL Management Studio Express



1. Click Connect to connect to your SQL Server.

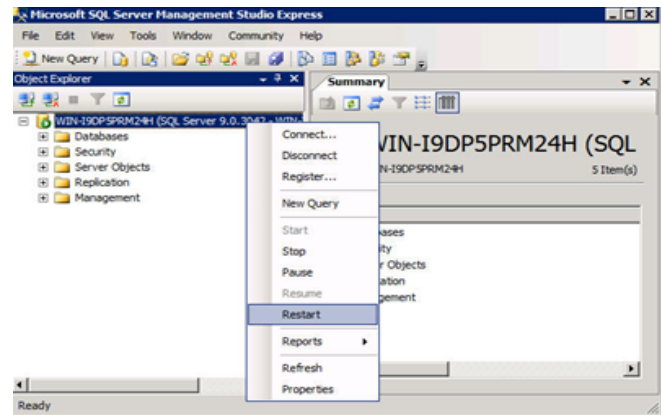
\*Note: The **Server Name** field on this screen should have your cur listed.

### Step 3: Microsoft SQL Management Studio Express – Restart Service



1. In the Object Explorer window, look for the Server Name at the top.

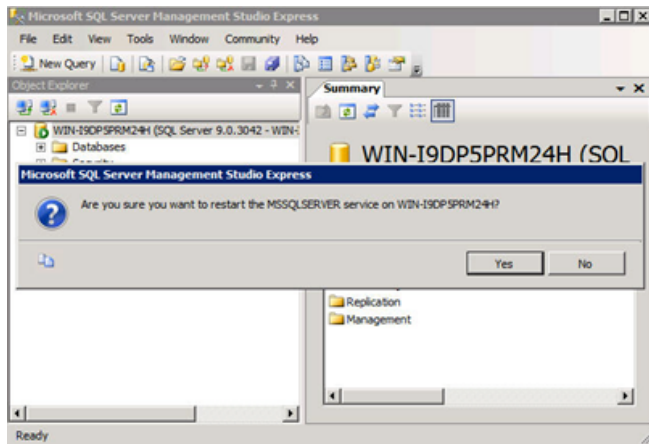
### Step 4: Microsoft SQL Management Studio Express – Restart



1. Right Click the Server Name in the Object Explorer.
2. Click Restart

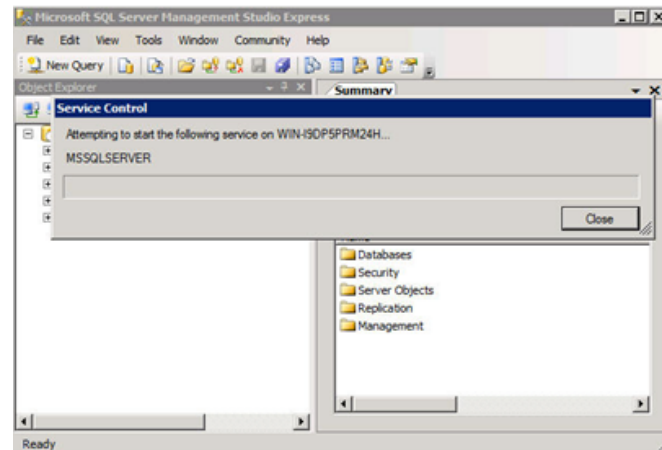
\*Note: This is restarting the SQL Services. You can also go directly restart each SQL service individually.

### Step 5: Microsoft SQL Management Studio Express – Restart Service



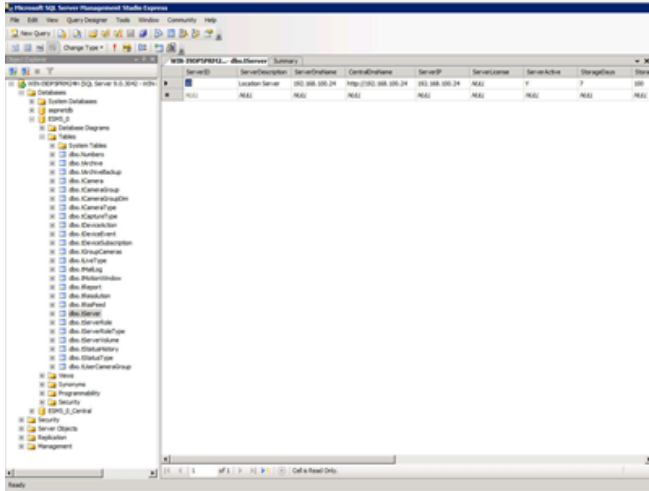
1. Click Yes to confirm that you want to restart the SQL Service

### Step 6: Microsoft SQL Management Studio Express – Restart



The SQL Service restart.

**Step 7: Microsoft SQL Management Studio Express Object Explorer**



1. Click Databases
2. Expand ESM5\_2
3. Expand Tables
4. Right click on dbo.tServer
5. Select Edit Top 200 Rows

**Step 9: Microsoft SQL Management Studio Express – ESM5\_2 – dbo.tServer**

RECORDINGSRV... - dbo.tServer Summary					
ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	
10	Location Server	192.168.100.24	http://192.168.100.24	192.168.100.24	
NULL	NULL	NULL	NULL	NULL	

1. Look for the ServerDNSName
2. Look for the CentralDNSName
3. Look for the Server IP

**Step 11: Microsoft SQL Management Studio Express – ESM5\_3 – dbo.tServer – CentralDNSName**

RECORDINGSRV... - dbo.tServer Summary					
ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	
10	Location Server	192.168.100.25	http://192.168.100.25	192.168.100.24	
NULL	NULL	NULL	NULL	NULL	

1. Update the CentralDNSName

**Step 8: Microsoft SQL Management Studio Express Object Explorer –ServerDNSName**

WIN-19DP5PRM2... - dbo.tServer Summary					
ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	
10	Location Server	192.168.100.24	http://192.168.100.24	192.168.100.24	
NULL	NULL	NULL	NULL	NULL	

1. Look for the ServerDNSName

**Step 10: Microsoft SQL Management Studio Express – ESM5\_2 – dbo.tServer – ServerDNSName**

RECORDINGSRV... - dbo.tServer Summary					
ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	
10	Location Server	192.168.100.25	http://192.168.100.24	192.168.100.24	
NULL	NULL	NULL	NULL	NULL	

1. Update the Server DNSName

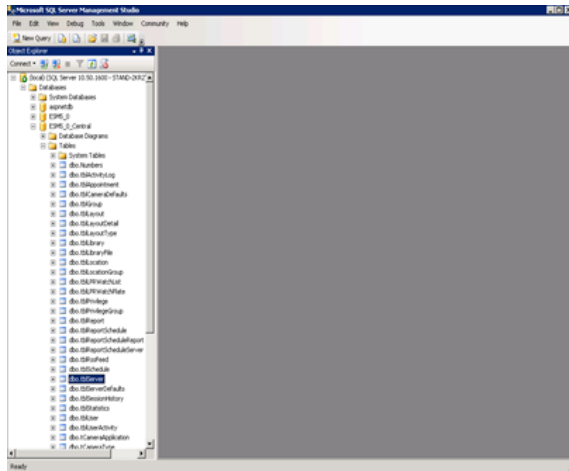
**Step 12: Microsoft SQL Management Studio Express – ESM5\_3 – dbo.tServer – ServerIP**

RECORDINGSRV... - dbo.tServer Summary					
ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	
10	Location Server	192.168.100.25	http://192.168.100.25	192.168.100.25	
NULL	NULL	NULL	NULL	NULL	

1. Update the ServerIP



### Step 13: Microsoft SQL Management Studio Express Object Explorer – ESM5\_3\_Central



1. Expand ESM5\_3\_Central
2. Expand Tables
3. Right click on dbo.tblServer
4. Select Edit Top 200 Rows

### Step 14: Microsoft SQL Management Studio Express – ESM5\_3\_Central – dbo.tblServer – IPAddress

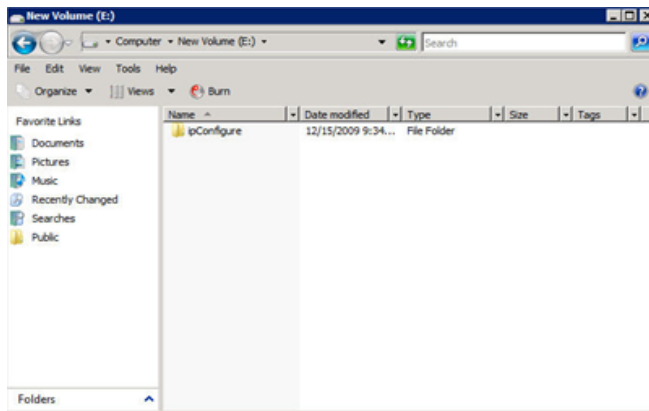
STAND-2KR2.ES... dbo.tblServer				
	State	Zip	IPAddress	Enabled
▶	NULL	NULL	192.168.100.26/ESMWCF	True
*	NULL	NULL	NULL	NULL

1. Update the IPAddress

\*Note: This only has to be done for the server that has had the IP Address change. If this is a single server it should be the only entry.

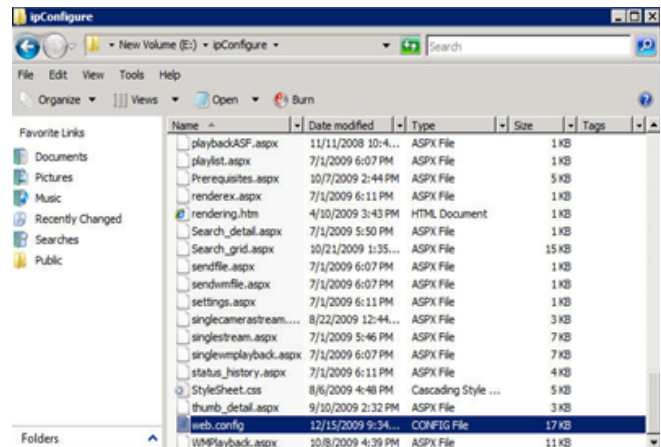
## IP ADDRESS CHANGE - IPCONFIGURE MATRIX WEB.CONFIG FILE

### Step1: ipConfigure Matrix Web.Config File



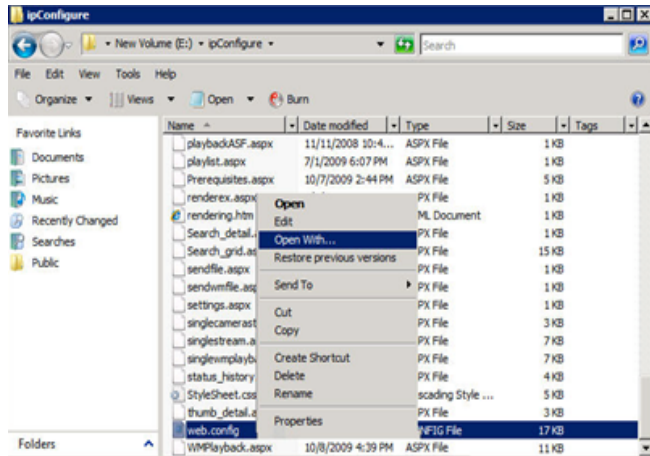
Go to the location on your server where the ipConfigure Application is located.

### Step 2: ipConfigure Matrix Web.Config File

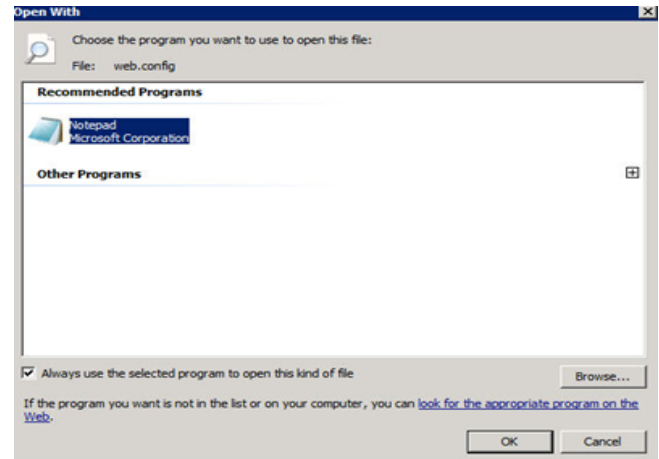


1. In the main folder, look for the Web.Config file



**Step 3: ipConfigure Matrix Web.Config File – Open**

1. Right click on the Web.Config file
2. Click on Open With...

**Step 4: ipConfigure Matrix Web.Config File – Notepad**

1. Click on Notepad

**Step 5: ipConfigure Matrix Web.Config File**

```
<add key="sConnString" value="Server=192.168.100.24;Database=ESM5_0_Central;user ID=webcam;Pa
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="192.168.100.24"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UdMode" value="none"/>
<add key="Autostart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
```

1. Look for the line:  
<add key="sConnString" value="Server=192.168.100.24;Database=ESM5\_2\_Central;UserID=webcam;Password=r34d0nly;"/>

**Step 6: ipConfigure Matrix Web.Config File – Server**

```
<add key="sConnString" value="Server=192.168.100.25;Database=ESM5_0_Central;user ID=webcam;Password=
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="192.168.100.24"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UdMode" value="none"/>
<add key="Autostart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="MotionCycleTimer" value="3000"/>
<add key="DefaultPage" value="matrix.aspx"/>
```

1. Edit the IP Address and change it to the new IP Address.

**Step 7: ipConfigure Matrix Web.Config File – ServerIP**

```
<add key="sConnString" value="Server=192.168.100.25;Database=ESM5_0_Central;user ID=webcam
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="192.168.100.24"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UdMode" value="none"/>
<add key="Autostart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="MotionCycleTimer" value="3000"/>
```

1. Look for the line:  
<add key="ServerIP" value="192.168.100.24"/>

**Step 8: ipConfigure Matrix Web.Config File – ServerIP**

```
<add key="sConnString" value="Server=192.168.100.25;Database=ESM5_0_Central;user ID=webcam
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="192.168.100.24"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UdMode" value="none"/>
<add key="Autostart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="MotionCycleTimer" value="3000"/>
<add key="DefaultPage" value="matrix.aspx"/>
```

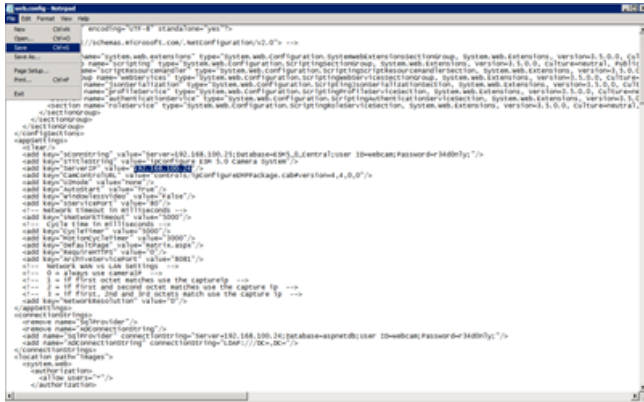
1. Edit the IP Address and change it to the new IP Address.

**Step 9: ipConfigure Matrix Web.Config File – ServerIP**

```
<!-- 0 = always use cameraIP -->
<!-- 1 = if first octet matches use the captureip -->
<!-- 2 = if first and second octet matches use the capture ip -->
<!-- 3 = if first, 2nd and 3rd octets match use the capture ip -->
<add key="networkResolution" value="0"/>
</appSettings>
</connectionStrings>
<remove name="sqlProvider"/>
<remove name="ADConnectionString"/>
<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=aspnetdb;User ID=webcam;Password=r34d0nly;"/>
```

1. Look for the line:  
`<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=aspnetdb;User ID=webcam;Password=r34d0nly;"/>`

**Step 11: ipConfigure Matrix Web.Config File – Save**



1. Click File
2. Save the changes.

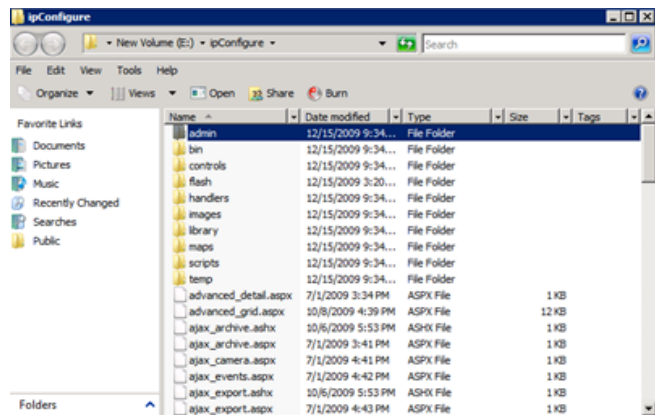
**Step 10: ipConfigure Matrix Web.Config File – SQL Provider**

```
<!-- 0 = always use cameraIP -->
<!-- 1 = if first octet matches use the captureip -->
<!-- 2 = if first and second octet matches use the capture ip -->
<!-- 3 = if first, 2nd and 3rd octets match use the capture ip -->
<add key="networkResolution" value="0"/>
</appSettings>
</connectionStrings>
<remove name="sqlProvider"/>
<remove name="ADConnectionString"/>
<add name="sqlProvider" connectionString="Server=192.168.100.23;Database=aspnetdb;User ID=webcam;Password=r34d0nly;"/>
```

1. Edit the IP Address and change it to the new IP Address.

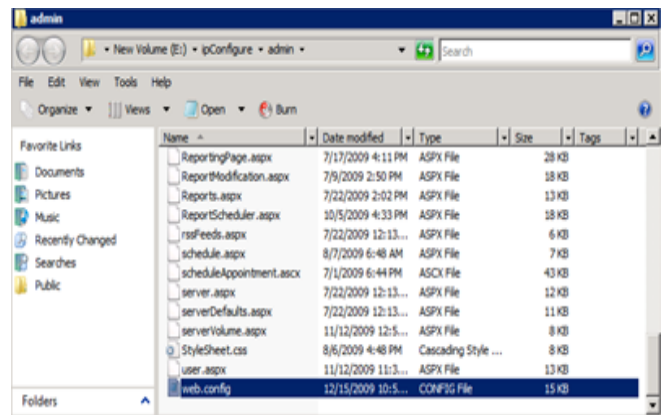
**IP ADDRESS CHANGE - IPCONFIGURE ADMIN WEB.CONFIG FILE**

**Step 1: ipConfigure Admin Web.Config File**

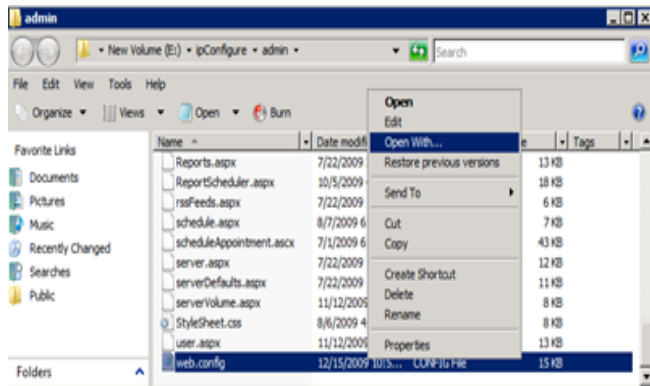


1. In the main folder, look for the folder "admin" and open it.

**Step 2: ipConfigure Admin Web.Config File**



1. Look for the Web.Config file

**Step 3: ipConfigure Admin Web.Config File – Open**

1. Right click on the Web.Config file
2. Click on Open With...

**Step 5: ipConfigure Admin Web.Config File – Server**

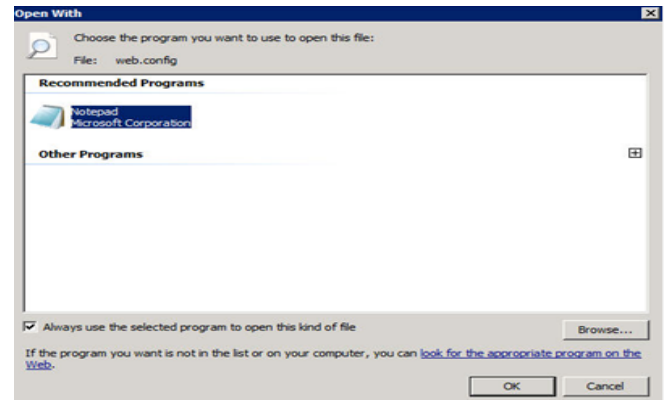
```
<add key="sConnString" value="Server=192.168.100.24;Database=ESM5_0_Central;user ID=webcam;Password=r34dOnly;" />
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="192.168.100.24" />
<add key="sServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="sNetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="sCycleTimer" value="5000" />
<add key="sForchangeMonitoring" value="true" />
</appSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADConnectionstring" />
<add name="ESM5_0_Central" connectionString="data source=192.168.100.24;initial catalog=ESM5_0_Central;integrated security=false;persist security info=true;" />
<add name="sqlProvider" connectionString="Server=192.168.100.24;database=aspnetdb;user ID=webcam;Password=r34dOnly;" />
```

1. Look for the line:  
<add key="sConnString"  
value="Server=192.168.100.24;Database=ESM5\_2\_Central;  
User ID=webcam;Password=r34dOnly;"/>

**Step 7: ipConfigure Admin Web.Config File – ServerIP**

```
<add key="sConnString" value="Server=192.168.100.23;Database=ESM5_0_Central;user ID=webcam;Passw" />
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="192.168.100.24" />
<add key="sServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="sNetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="sCycleTimer" value="5000" />
<add key="sForchangeMonitoring" value="true" />
</appSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
```

1. Look for the line:  
<add key="ServerIP" value="192.168.100.24"/>

**Step 4: ipConfigure Admin Web.Config File – Notepad**

1. Click on Notepad

**Step 6: ipConfigure Admin Web.Config File – Server updated**

```
<add key="sConnString" value="Server=192.168.100.24;Database=ESM5_0_Central;user ID=webcam;Pass" />
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="192.168.100.24" />
<add key="sServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="sNetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="sCycleTimer" value="5000" />
<add key="sForchangeMonitoring" value="true" />
</appSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADConnectionstring" />
<add name="ESM5_0_Central" connectionString="data source=192.168.100.24;initial catalog=ESM5_0_Central;integrated security=false;persist security info=true;" />
<add name="sqlProvider" connectionString="Server=192.168.100.24;database=aspnetdb;user ID=webcam;Password=r34dOnly;" />
```

1. Edit the IP Address and change it to the new IP Address.

**Step 8: ipConfigure Admin Web.Config File – ServerIP**

```
<add key="sConnString" value="Server=192.168.100.23;Database=ESM5_0_Central;user ID=webcam;Passw" />
<add key="sTitleString" value="ipConfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="192.168.100.24" />
<add key="sServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="sNetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="sCycleTimer" value="5000" />
<add key="sForchangeMonitoring" value="true" />
</appSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADConnectionstring" />
<add name="ESM5_0_Central" connectionString="data source=192.168.100.24;initial catalog=ES" />
```

1. Edit the IP Address and change it to the new IP Address.

### Step 9: ipConfigure Admin Web.Config File – ESM5\_3\_Central

```

new app:com.managecentral:mgm:server:state:/
/appsettings
connectionStrings
<remove name="sqlProvider"/>
<remove name="ESM5_3_Central"/>
<remove name="ADCconnectionString"/>
<add name="ESM5_3_Central" connectionString="Data Source=192.168.100.24;Initial Catalog=ESM5_3_Central;Integrated Security=True" />
<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=asprnetdb;user ID=webcam;Password=r34d0nly;" />

```

1. Look for this line:

```

<add name="ESM5_3_Central" connectionString="Data Source=192.168.100.24;Initial Catalog=ESM5_3_Central;Integrated Security=True" />

```

### Step 11: ipConfigure Admin Web.Config File – SQLProvider

```

<add key="CycleTimer" value="5000"/>
<add key="OnChangeMonitoring" value="true"/>
/appsettings
connectionStrings
<remove name="sqlProvider"/>
<remove name="ESM5_3_Central"/>
<remove name="ADCconnectionString"/>
<add name="ESM5_3_Central" connectionString="Data Source=192.168.100.25;Initial Catalog=ESM5_3_Central;Integrated Security=True" />
<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=asprnetdb;user ID=webcam;Password=r34d0nly;" />

```

1. Look for this line:

```

<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=asprnetdb;user ID=webcam;Password=r34d0nly;" />

```

### Step 10: ipConfigure Admin Web.Config File – ESM5\_3\_Central

```

new app:com.managecentral:mgm:server:state:/
/appsettings
connectionStrings
<remove name="sqlProvider"/>
<remove name="ESM5_3_Central"/>
<remove name="ADCconnectionString"/>
<add name="ESM5_3_Central" connectionString="Data Source=192.168.100.24;Initial Catalog=ESM5_3_Central;Integrated Security=True" />
<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=asprnetdb;user ID=webcam;Password=r34d0nly;" />

```

1. Edit the IP Address and change it to the new IP Address.

### Step 12: ipConfigure Admin Web.Config File – SQLProvider

```

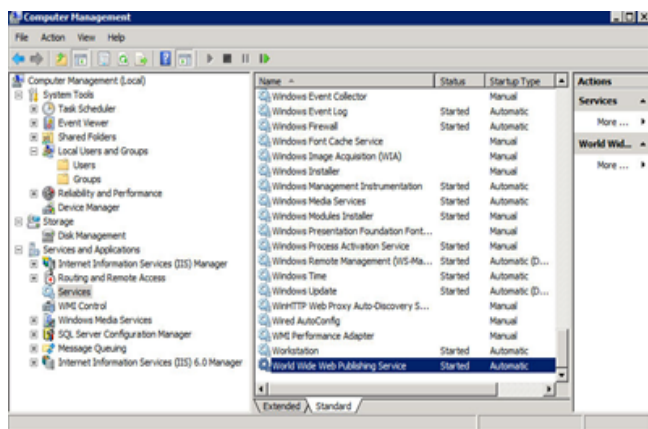
<add key="CycleTimer" value="5000"/>
<add key="OnChangeMonitoring" value="true"/>
/appsettings
connectionStrings
<remove name="sqlProvider"/>
<remove name="ESM5_3_Central"/>
<remove name="ADCconnectionString"/>
<add name="ESM5_3_Central" connectionString="Data Source=192.168.100.25;Initial Catalog=ESM5_3_Central;Integrated Security=True" />
<add name="sqlProvider" connectionString="Server=192.168.100.24;Database=asprnetdb;user ID=webcam;Password=r34d0nly;" />

```

1. Edit the IP Address and change it to the new IP Address.

## IP ADDRESS CHANGE – RESTART SERVICES

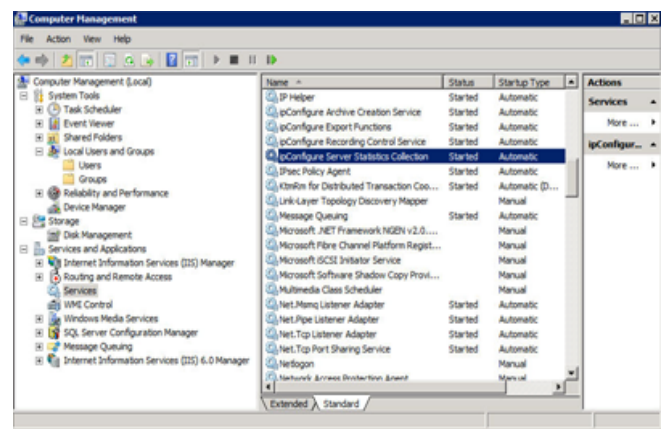
### Step 1: Services



The World Wide Web Publishing Service needs to be stopped.

1. Start the World Wide Web publishing service.

### Step 2: Services – ipConfigure



1. Start ipConfigure Archive Creation Service
2. Start ipConfigure Export Functions
3. Start ipConfigure Recording Central Service
4. Start ipConfigure Server Statistics Collection

## IP ADDRESS CHANGE – VALIDATE IPCONFIGURE SOFTWARE

**Step 1: ipConfigure Matrix Login Page**

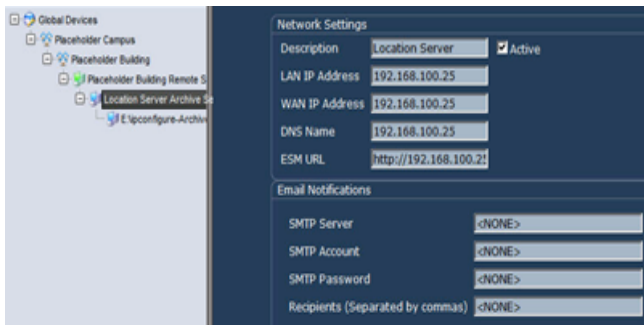
1. In the address bar, use the new IP Address
2. Verify that you get this address when using your new IP Address.

<http://192.168.100.25> (\*Note: use your new IP Address)

**Step 2: ipConfigure Admin Login Page**

1. In the address bar, use the new IP Address
2. Verify that you get this address when using your new IP Address.

<http://192.168.100.25/admin>(\*Note: use your new IP Address)

**Step 3: Server Services**

1. Login to the Administrator Page
2. Go to the Location Server Archive Server
3. Verify that the new IP Address is in the LAN IP Address box.
4. Verify that the new IP Address is in the WAN IP Address box.
5. Verify that the new IP Address is in the DNS Name box.
6. Verify that the new IP Address is in the ESM URL box.





## ipConfigure 2008 Server Name Change Guide

This document provides detailed instructions on what needs to be done on a 2008 server if the Server Name is used for a DNS installation. This document will cover the areas in Microsoft SQL, Local Server IIS User Accounts, two web.config files, and the Registry, that will need to be updated as well. The 2008 Server Name Change Guide utilizes screen shots of an actual 2008 Server ESM 5.4 system and includes a numbering methodology to reference screen attributes and reference to registry and database changes.

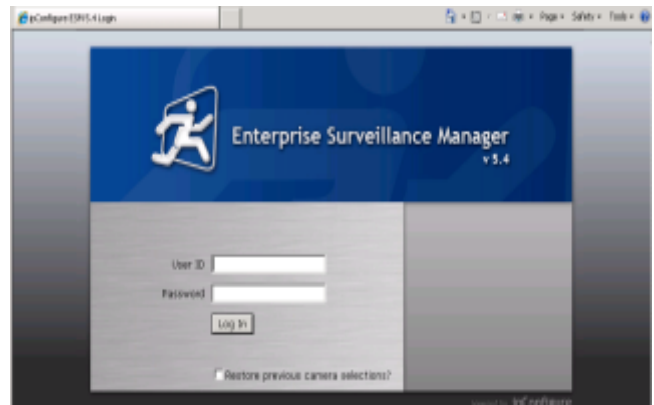
For the purpose of this training document, the Old Server Name is: CamSRV. The new server name is RecordingSrv to help you see where the changes are taking place within the screen shots.

### Step 1: ipConfigure Admin Login Page



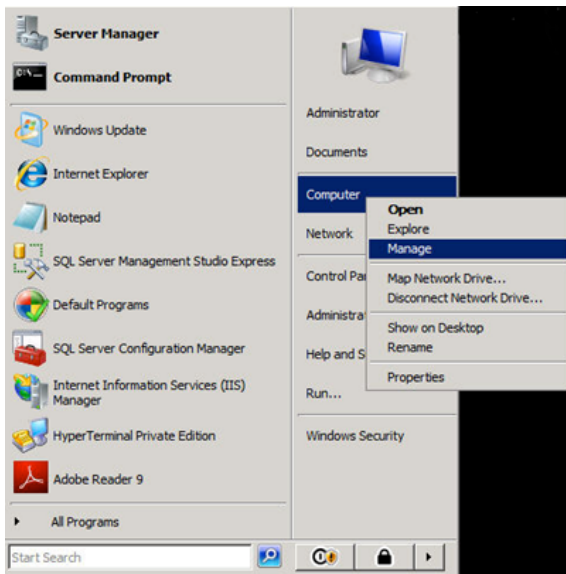
1. In the address bar, when using the DNS Server Name, the server name is in the web address.

### Step 2: ipConfigure Matrix Login Page



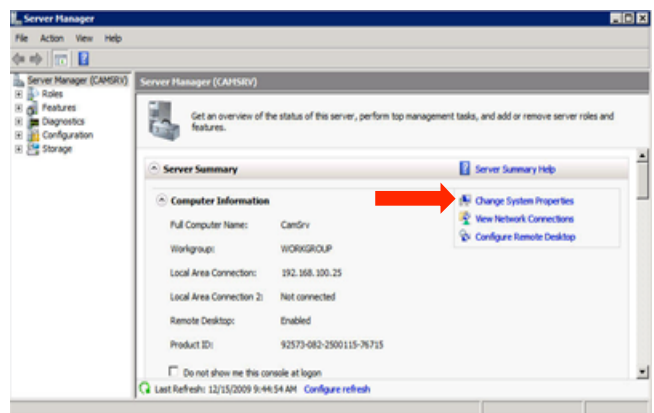
1. In the address bar, when using the DNS Server Name, the server name is in the web address.

### Step 3: Server Manager – Manage



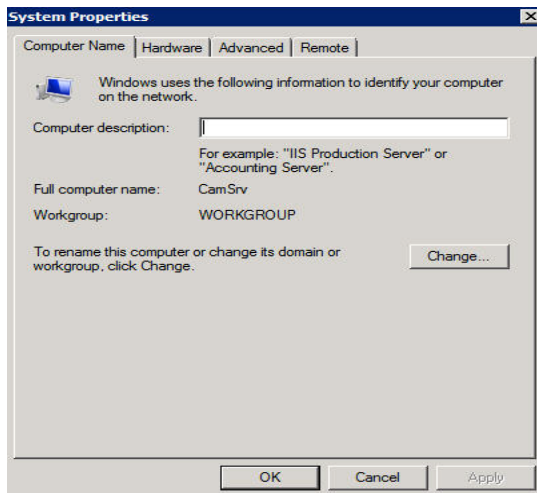
1. Click on the Start Bar
2. Right Click on Computer
3. Left Click on Manage

### Step 4: Server Manager – System Properties

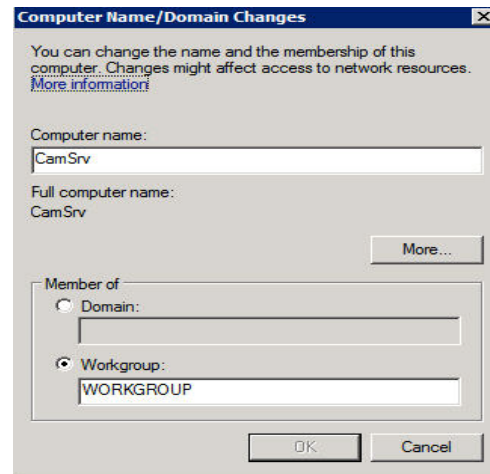


1. Click on Change System Properties

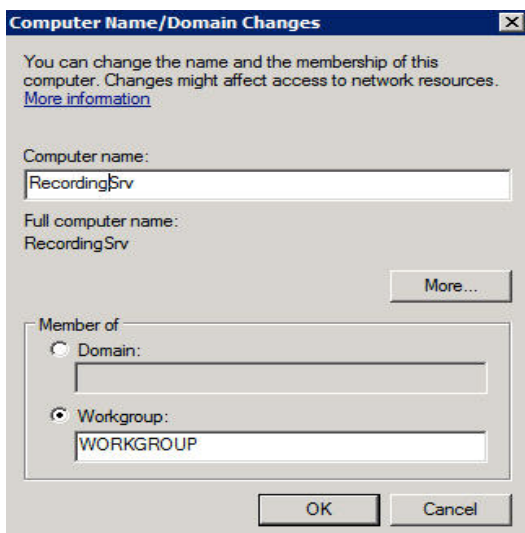


**Step 5: Server Manager – System Properties**

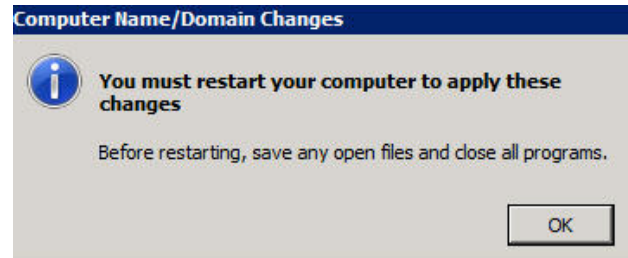
1. Click on Change

**Step 6: Server Manager – Rename Server**

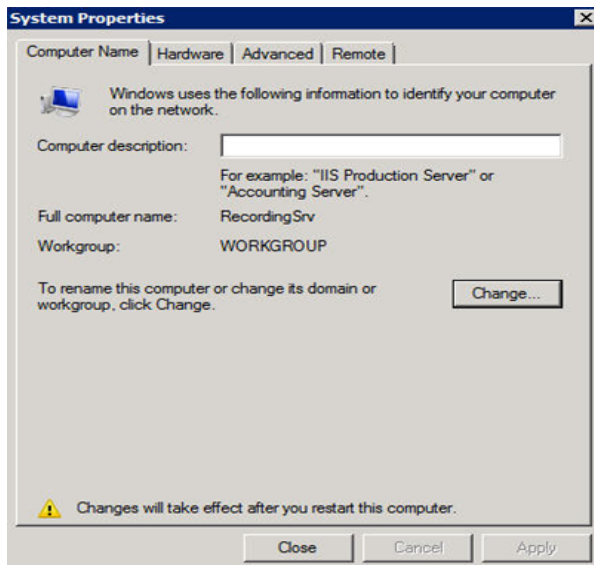
1. In the Computer name field, change the name of the server to the new name that you want.

**Step 7: Server Manager – Rename Server – updated**

1. In this example, we are changing the server name from CamSrv to RecordingSrv.
2. After changing the name, click OK

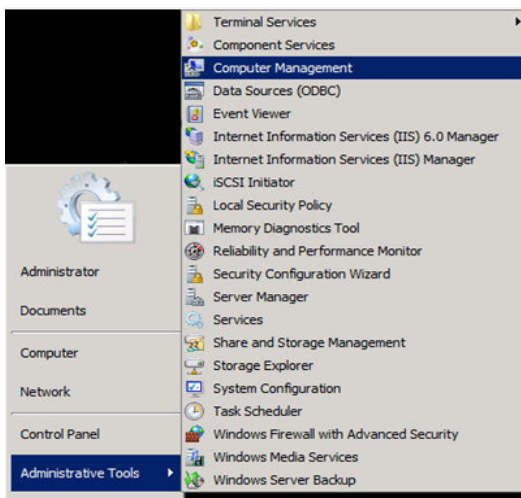
**Step 8: Server Manager – Restart Server**

1. You must restart your server at this point.

**Step 9: Server Manager – System Properties**

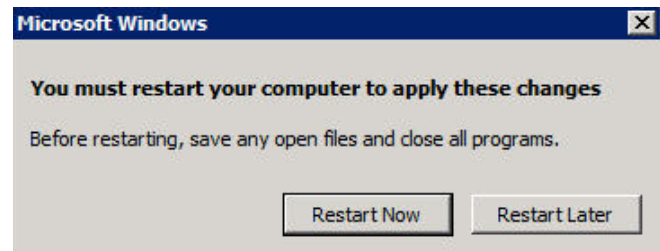
1. A verification at the bottom of the screen is again stating that you must restart the server before proceeding.

The restart is necessary before any further changes that you will be making.

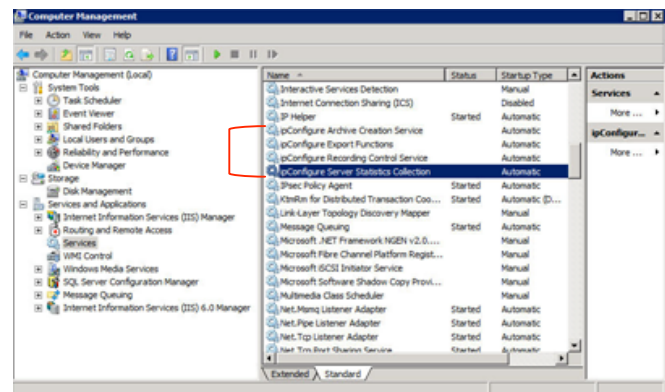
**Step 11: Computer Management**

After the server has been rebooted:

1. Click on Start
2. Click on Administrator Tools
3. Click on Computer Management

**Step 10: Server Manager – Restart Server**

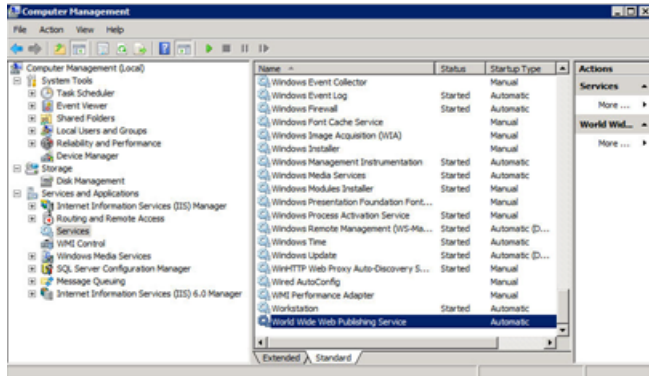
1. Click Restart Now

**Step 12: Computer Management – Services – ipConfigure**

The 4 ipConfigure Services need to be stopped:

1. Stop ipConfigure Archive Creation Service
2. Stop ipConfigure Export Functions
3. Stop ipConfigure Recording Central Service
4. Stop ipConfigure Server Statistics Collection

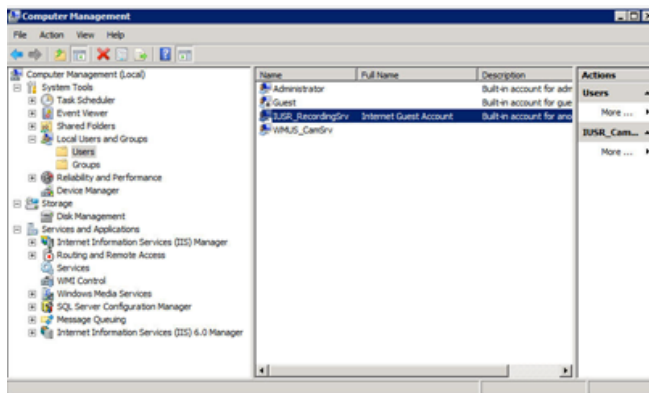
### Step 13: Computer Management Services – World Wide Web



The World Wide Web Publishing Service needs to be stopped.

1. Stop the World Wide Publishing Service

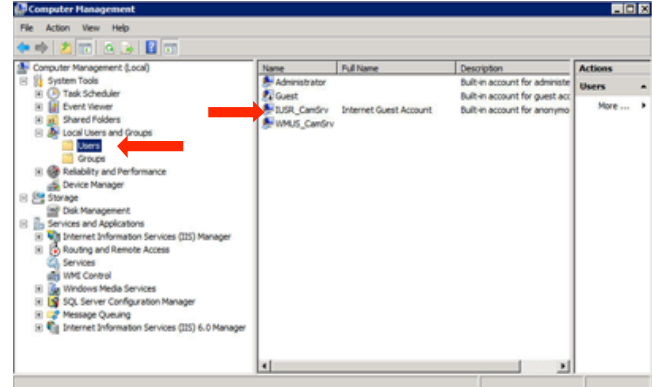
### Step 15: Computer Management Local Users and Groups – Users – IUSR



1. The server name has been changed correctly to IUSR\_RecordingSrv

\*Note: Please use *your* new server name.

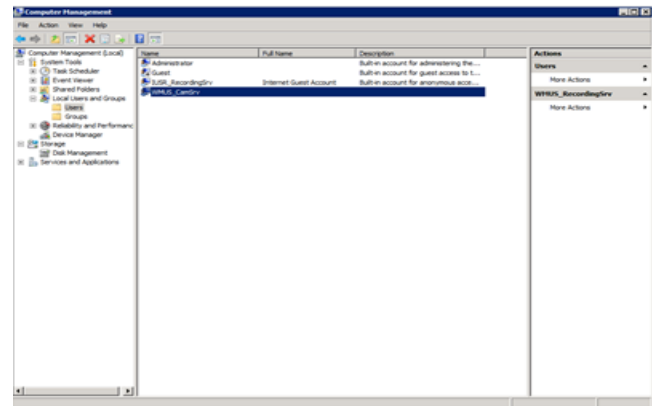
### Step 14: Computer Management Local Users and Groups –Users



In the Computer Management Pane, look for Local Users and Groups

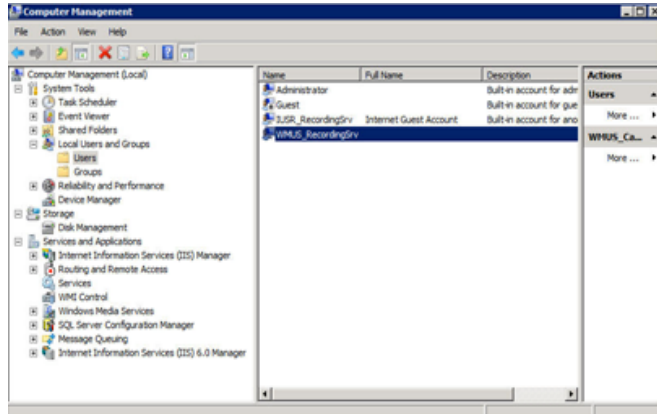
1. Click on Users
2. Look for the IUSR\_ account, you will see the current server name.
3. Change the sever name, but leave the IUSR\_ in front of the name.

### Step 16: Computer Management Local Users and Groups – Users – WMUS



1. Look for the WMUS\_ account, you will see the current server name.
2. Change the server name, but leave the WMUS\_ in front of the name.

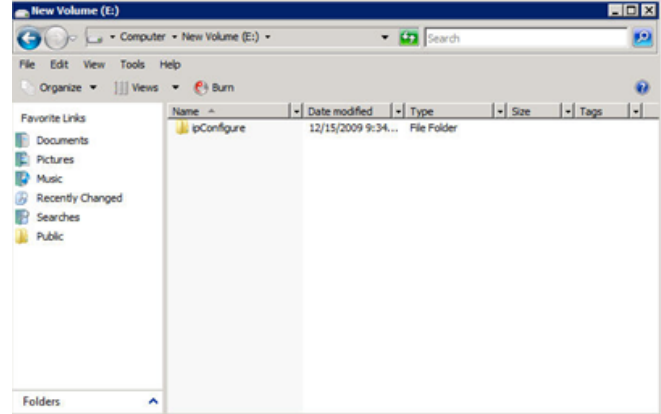
### Step 17: Computer Management Local Users and Groups – Users – WMUS



1. The server name has been changed correctly to WMUS\_RecordingSrv

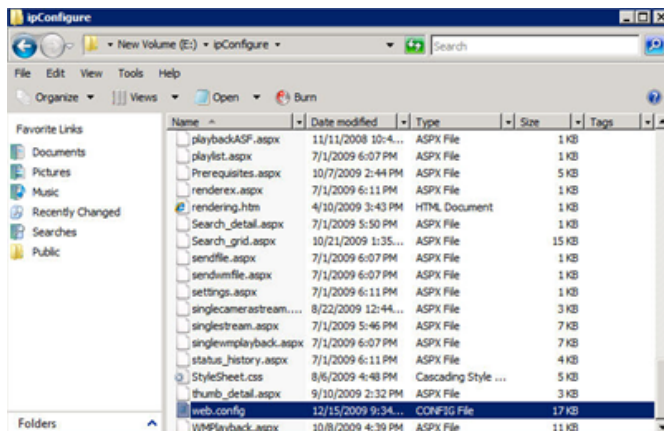
\*Note: Please use *your* new server name.

### Step 18: ipConfigure Matrix Web.Config File



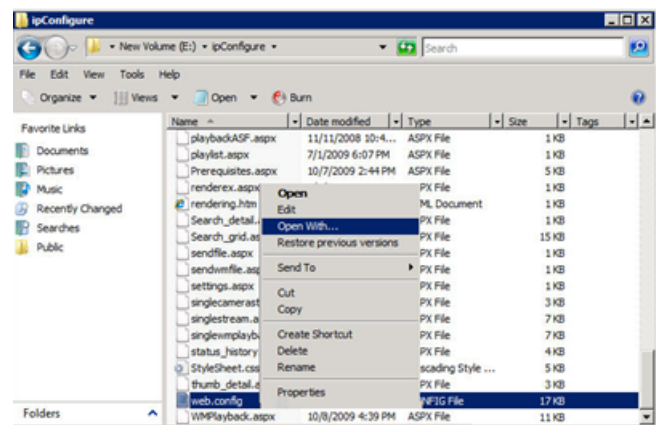
Go to the location on your server where the ipConfigure Application is located

### Step 19: ipConfigure Matrix Web.Config File



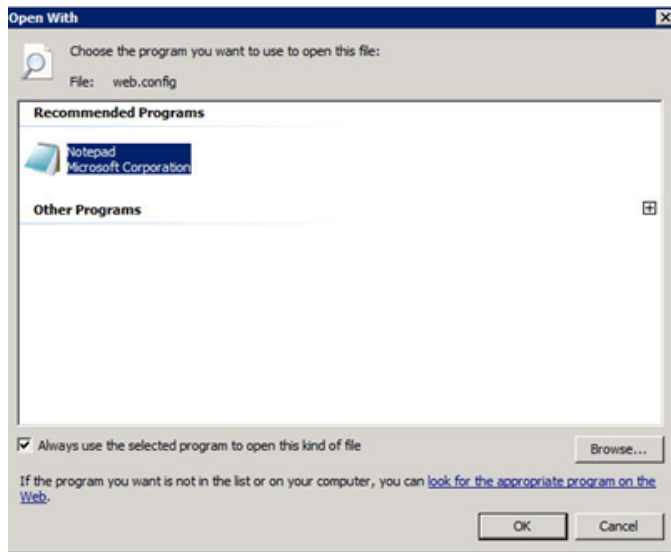
1. In the main folder, look for the Web.Config file

### Step 20: ipConfigure Matrix Web.Config File – Open



1. Right click on the Web.Config file
2. Click on Open With...

**Step 21: ipConfigure Matrix Web.Config File – Notepad**



1. Select Notepad

**Step 23: ipConfigure Matrix Web.Config File – Server**

```
<add key="sConnString" value="Server=amsrv;Database=ESM5_0_Central;user ID=webcam;" />
<add key="STitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="camsrv"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UIMode" value="none"/>
<add key="AutoStart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="SServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="SNetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
```

1. Select the IP Address name and change it to the new IP Address.

**Step 25: ipConfigure Matrix Web.Config File – ServerIP**

```
<add key="sConnString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Pa" />
<add key="STitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="RecordingSrv" />
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UIMode" value="none"/>
<add key="AutoStart" value="true"/>
<add key="WindowlessVideo" value="false"/>
```

1. Look for the line:  
<add key="ServerIP" value="CamSrv"/>

Look for your old server name.

**Step 22: ipConfigure Matrix Web.Config File**

```
new key="sConnString" value="Server=amsrv;Database=ESM5_0_Central;user ID=webcam;Pass" />
<add key="STitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="camsrv"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UIMode" value="none"/>
<add key="AutoStart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="SServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="SNetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="MotionCycleTimer" value="3000"/>
```

1. Look for the line:

<add key="sConnString" value="Server=192.168.100.24  
192.168.100.24 = Your Server IP Address

**Step 24: ipConfigure Matrix Web.Config File – Server Renamed**

```
<add key="sConnString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webca" />
<add key="STitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="camsrv"/>
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UIMode" value="none"/>
<add key="AutoStart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="SServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="SNetworkTimeout" value="5000"/>
```

1. For this training documentation, the Sever Value=RecordingSrv shows it has been updated from the old server name of CamSrv.

Please input your server name here.

**Step 26: ipConfigure Matrix Web.Config File – ServerIP Renamed**

```
<add key="sConnString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Pa" />
<add key="STitleString" value="ipConfigure ESM 5.0 Camera System"/>
<add key="ServerIP" value="RecordingSrv" />
<add key="CamControlURL" value="controls/ipConfigureEMPPackage.cab#version=4,4,0,0"/>
<add key="UIMode" value="none"/>
<add key="AutoStart" value="true"/>
<add key="WindowlessVideo" value="false"/>
<add key="SServicePort" value="80"/>
```

1. For this training documentation, the ServerIP Value=RecordingSrv shows it has been updated from the old server name of CamSrv.

Please input your server name here.



**Step 27: ipConfigure Matrix Web.Config File – SQL**

```
<!-- 2 = if first and second octet matches use the capture ip -->
<!-- 3 = if first, 2nd and 3rd octets match use the capture ip -->
<add key="networkresolution" value="0"/>
</appSettings>
</connectionStrings>
<remove name="sqlProvider"/>
<remove name="ADConnectionstring"/>
<add name="sqlProvider" connectionString="Server=cam.srv; Database=aspnetdb; user ID=webcam;P
```

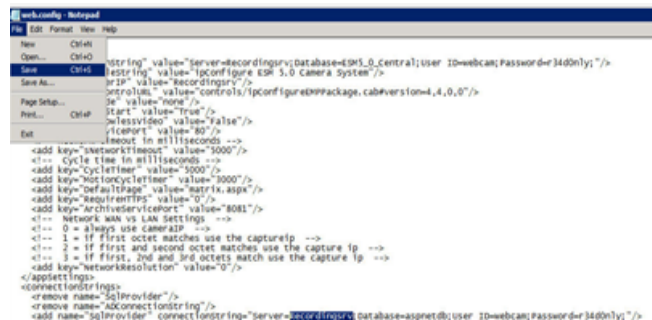
1. Look for the line:  
<add name="sqlProvider"  
connectionString="Server=Recordingsrv;Database=aspnetdb;User ID=webcam;Password=r34d0nly;"/>

**Step 28: ipConfigure Matrix Web.Config File – SQL Updated**

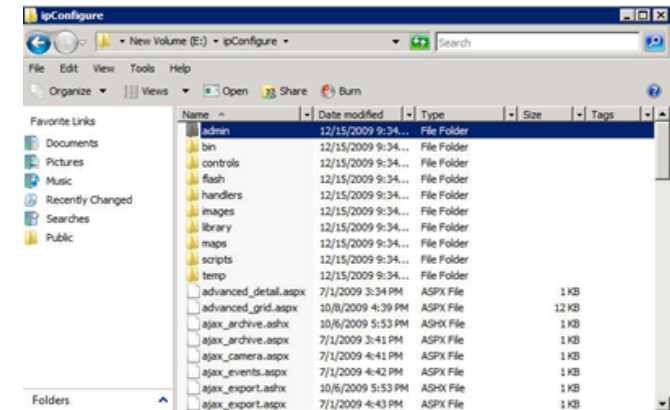
```
<!-- 2 = if first and second octet matches use the capture ip -->
<!-- 3 = if first, 2nd and 3rd octets match use the capture ip -->
<add key="networkresolution" value="0"/>
</appSettings>
</connectionStrings>
<remove name="sqlProvider"/>
<remove name="ADConnectionstring"/>
<add name="sqlProvider" connectionString="Server=rec.srv; Database=aspnetdb; user ID=webcam;P
```

1. For this training documentation, the SQLProvider Server Value=RecordingSrv shows is has been updated from the old server name of CamSrv.

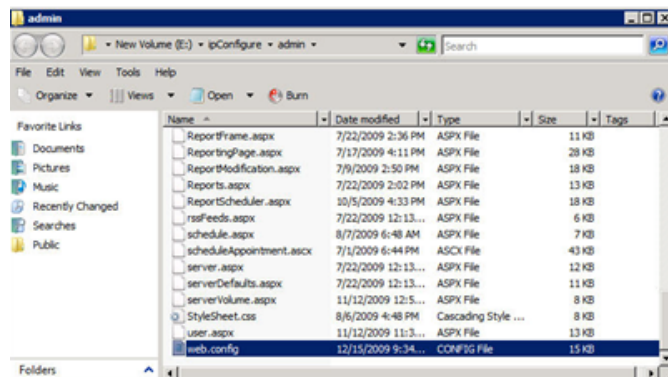
Please input your server name here.

**Step 29: ipConfigure Matrix Web.Config File – Save**

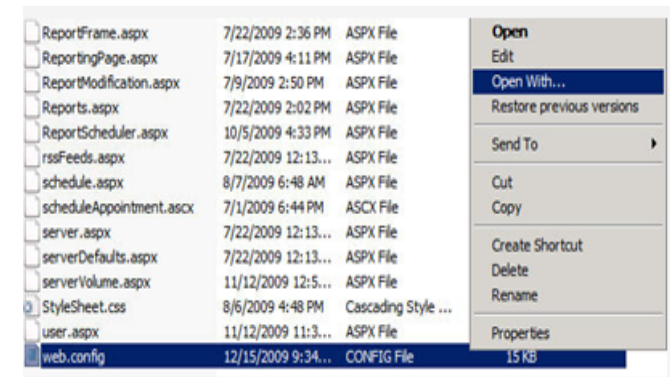
1. Click File
2. Save the changes

**Step 30: ipConfigure Admin Web.Config File**

1. In the main folder, look for the folder "admin" and open it.

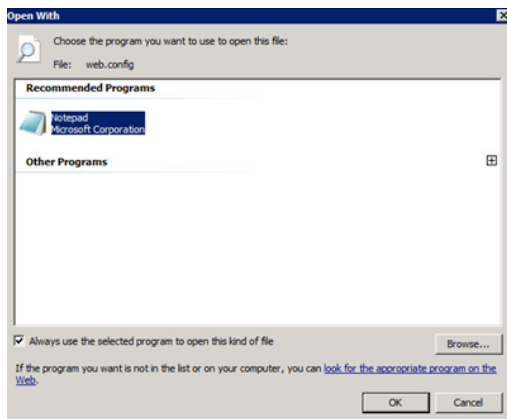
**Step 31: ipConfigure Admin Web.Config File**

1. Look for the Web.Config file

**Step 32: ipConfigure Admin Web.Config File – Open**

1. Right click on the Web.Config file
2. Click on Open With...

### Step 33: IpConfigure Admin Web.Config File – Notepad



1. Click on Notepad

### Step 35: ipConfigure Admin Web.Config File – Server updated

```
<add key="sConnString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Password=34d0n1y;" />
<add key="stitlestring" value="ipconfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="CamSrv" />
<add key="ServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000" />
<add key="ForChangeMonitoring" value="true" />
</AppSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADCConnectionstring" />
<add name="ESM5_0_Central" connectionString="Data Source=Camsrv;Initial Catalog=ESM5_0_Central;Integrated Security=true" />
<add name="sqlProvider" connectionString="Server=Camsrv;Database=aspnetdb;user ID=webcam;Password=34d0n1y;" />
```

1. Select the server name and change it to the new server name.

### Step 37: ipConfigure Admin Web.Config File – ServerIP updated

```
<add key="sConnString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Password=34d0n1y;" />
<add key="stitlestring" value="ipconfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="RecordingSrv" />
<add key="ServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000" />
<add key="ForChangeMonitoring" value="true" />
</AppSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADCConnectionstring" />
<add name="ESM5_0_Central" connectionString="Data Source=Camsrv;Initial Catalog=ESM5_0_Central;Integrated Security=true" />
<add name="sqlProvider" connectionString="Server=Camsrv;Database=aspnetdb;user ID=webcam;Password=34d0n1y;" />
```

1. For this training documentation, the ServerIP Value=RecordingSrv shows it has been updated from the old server name of CamSrv.

Please input your server name here.

### Step 34: ipConfigure Admin Web.Config File – Server

```
<add key="sConnString" value="Server=CamSrv;Database=ESM5_0_Central;user ID=webcam;Password=34d0n1y;" />
<add key="stitlestring" value="ipconfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="CamSrv" />
<add key="ServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000" />
<add key="ForChangeMonitoring" value="true" />
</AppSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADCConnectionstring" />
<add name="ESM5_0_Central" connectionString="Data Source=Camsrv;Initial Catalog=ESM5_0_Central;Integrated Security=true" />
<add name="sqlProvider" connectionString="Server=Camsrv;Database=aspnetdb;user ID=webcam;Password=34d0n1y;" />
```

1. Look for the line:

```
<add key="sConnString" value="Server=CamSrv
CamSrv = Your Server Name
```

### Step 36: ipConfigure Admin Web.Config File – ServerIP

```
<add key="sConnString" value="Server=CamSrv;Database=ESM5_0_Central;user ID=webcam;Password=34d0n1y;" />
<add key="stitlestring" value="ipconfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="CamSrv" />
<add key="ServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000" />
<add key="ForChangeMonitoring" value="true" />
</AppSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADCConnectionstring" />
<add name="ESM5_0_Central" connectionString="Data Source=Camsrv;Initial Catalog=ESM5_0_Central;Integrated Security=true" />
<add name="sqlProvider" connectionString="Server=Camsrv;Database=aspnetdb;user ID=webcam;Password=34d0n1y;" />
```

1. Look for the line

```
<add key="ServerIP" value="CamSrv"/>
```

Look for your old server name.

### Step 38: ipConfigure Admin Web.Config File – ESM5\_2\_Central

```
<add key="sConnString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Password=34d0n1y;" />
<add key="stitlestring" value="ipconfigure ESM 5.0 Camera System Admin" />
<add key="ServerIP" value="RecordingSrv" />
<add key="ServicePort" value="80" />
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000" />
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000" />
<add key="ForChangeMonitoring" value="true" />
</AppSettings>
</connectionStrings>
<remove name="sqlProvider" />
<remove name="ESM5_0_Central" />
<remove name="ADCConnectionstring" />
<add name="ESM5_0_Central" connectionString="Data Source=ESM5_2_Central;Initial Catalog=ESM5_0_Central;Integrated Security=true" />
<add name="sqlProvider" connectionString="Server=Camsrv;Database=aspnetdb;user ID=webcam;Password=34d0n1y;" />
```

1. Look for this line:

```
<add name="ESM5_0_Central" connectionString="Data Source=Camsrv;Initial Catalog=ESM5_0_Central;Integrated Security=True" providerName="System.Data.SqlClient"/>
```



### Step 39: ipConfigure Admin Web.Config File – ESM5\_2\_Central – updated

```
<add key="ConnectionString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Password=r34d0nly;"/>
<add key="TitleString" value="ipConfigure ESM 5.0 Camera System Admin"/>
<add key="ServerIP" value="192.168.1.100"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="RefreshMonitoring" value="true"/>
</appSettings>
<connectionStrings>
<remove name="SqlProvider"/>
<remove name="ESM5_0_Central"/>
<add name="ESM5_0_Central" connectionString="Data Source=CamSrv;Initial Catalog=ESM5_0_Central;Integrated Security=true"
<add name="SqlProvider" connectionString="Server=camsrv;Database=aspnetdb;user ID=webcam;Password=r34d0nly;"/>
</connectionStrings>
```

1. For this training documentation, the SQLProvider Server Value=RecordingSrv shows it has been updated from the old server name of CamSrv.

Please input your server name here.

### Step 41: ipConfigure Admin Web.Config File – SQL updated

```
<add key="ConnectionString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Password=r34d0nly;"/>
<add key="TitleString" value="ipConfigure ESM 5.0 Camera System Admin"/>
<add key="ServerIP" value="192.168.1.100"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="RefreshMonitoring" value="true"/>
</appSettings>
<connectionStrings>
<remove name="SqlProvider"/>
<remove name="ESM5_0_Central"/>
<add name="ESM5_0_Central" connectionString="Data Source=RecordingSrv;Initial Catalog=ESM5_0_Central;Integrated Security=true"
<add name="SqlProvider" connectionString="Server=RecordingSrv;Database=aspnetdb;user ID=webcam;Password=r34d0nly;"/>
</connectionStrings>
```

1. For this training documentation, the SQLProvider Server Value=RecordingSrv shows it has been updated from the old server name of CamSrv.

Please input your server name here.

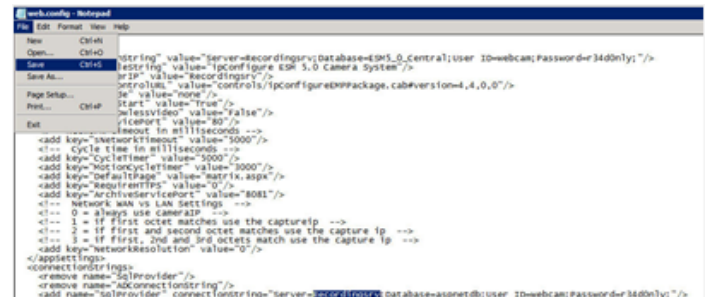
### Step 40: ipConfigure Admin Web.Config File SQL

```
<add key="ConnectionString" value="Server=RecordingSrv;Database=ESM5_0_Central;user ID=webcam;Password=r34d0nly;"/>
<add key="TitleString" value="ipConfigure ESM 5.0 Camera System Admin"/>
<add key="ServerIP" value="RecordingSrv"/>
<add key="ServicePort" value="80"/>
<!-- Network timeout in milliseconds -->
<add key="NetworkTimeout" value="5000"/>
<!-- Cycle time in milliseconds -->
<add key="CycleTimer" value="5000"/>
<add key="RefreshMonitoring" value="true"/>
</appSettings>
<connectionStrings>
<remove name="SqlProvider"/>
<remove name="ESM5_0_Central"/>
<add name="ESM5_0_Central" connectionString="Data Source=RecordingSrv;Initial Catalog=ESM5_0_Central;Integrated Security=true"
<add name="SqlProvider" connectionString="Server=RecordingSrv;Database=aspnetdb;user ID=webcam;Password=r34d0nly;"/>
</connectionStrings>
```

1. Look for the line:

```
<add name="SqlProvider"
connectionString="Server=RecordingSrv;Database=aspnetdb;User ID=webcam;Password=r34d0nly;"/>
```

### Step 42: ipConfigure Admin Web.Config File – Save



1. Click File
2. Save the configuration changes.

## SERVER NAME CHANGE – UPDATE MICROSOFT SQL SERVER CONFIGURATION

### Step 1: Microsoft SQL Management Studio Express – Open



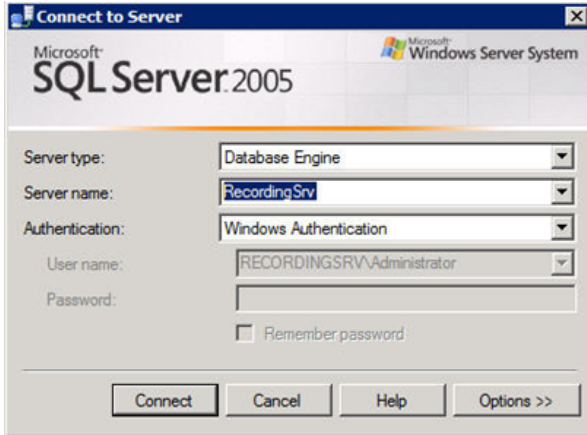
1. Open up Microsoft SQL Management Studio Express

### Step 2: Microsoft SQL Management Studio Express Change Server Name



1. Change the Server Name to your new server name.

**Step 3: Microsoft SQL Management Studio Express**



1. For this training documentation, the Server name RecordingSrv has been updated from the old server name of CamSrv.

Please input your server name here.

**Step 5: Microsoft SQL Management Studio Express ESM5\_3 ServerDnsName**

ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	ServerLicense
10	Location Server	CamSrv		CamSrv	NULL
NULL	NULL	NULL	NULL	NULL	NULL

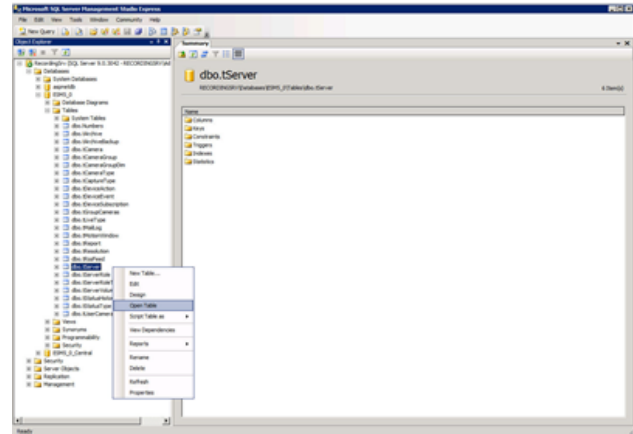
1. Look for the ServerDnsName

**Step 7: Microsoft SQL Management Studio Express ESM5\_3 ServerIP**

ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	ServerLicense
10	Location Server	Recordingsrv		CamSrv	NULL
NULL	NULL	NULL	NULL	NULL	NULL

1. Look for the ServerIP

**Step 4: Microsoft SQL Management Studio Express ESM5\_3**



1. Click Databases
2. Expand ESM5\_2
3. Expand Tables
4. Left click on dbo.tServer
5. Right click on Open Table

**Step 6: Microsoft SQL Management Studio Express ESM5\_3**

ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	ServerLicense
10	Location Server	Recordingsrv		CamSrv	NULL
NULL	NULL	NULL	NULL	NULL	NULL

1. Change the entry from the old server name to the new server name.

For this training documentation, the ServerDNSName entry RecordingSrv has been updated from the old server name of CamSrv.

Please input your server name here.

**Step 8: Microsoft SQL Management Studio Express ESM5\_3 ServerIP**

ServerID	ServerDescription	ServerDnsName	CentralDnsName	ServerIP	ServerLicense
10	Location Server	Recordingsrv		Recordingsrv	NULL
NULL	NULL	NULL	NULL	NULL	NULL

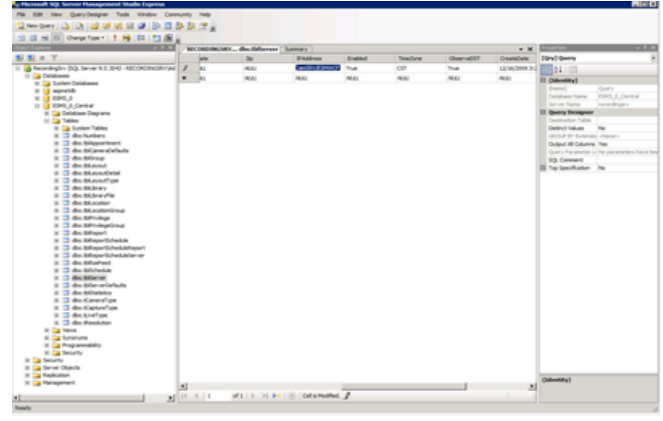
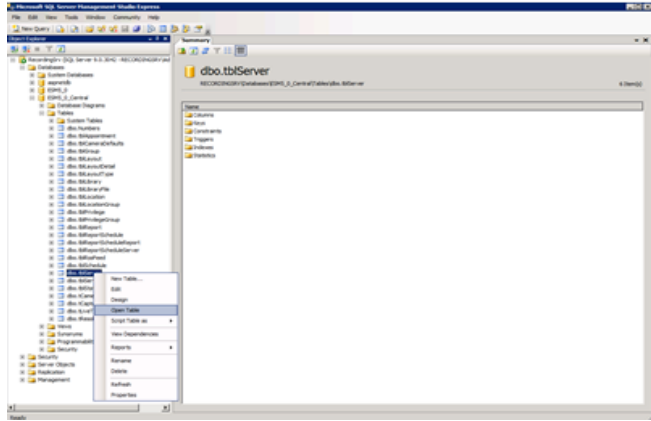
1. Change the entry from the old server name to the new server name.

For this training documentation, the ServerIP entry RecordingSrv has been updated from the old server name of CamSrv.

Please input your server name here.

**Step 9: Microsoft SQL Management Studio Express ESM5\_3\_Central**

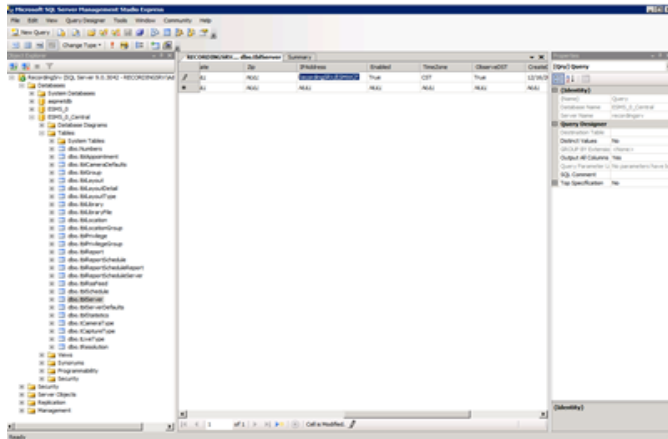
**Step 10: Microsoft SQL Management Studio Express ESM5\_3\_Central IPAddress**



1. On the right side of SQL in the Object Explorer window, expand ESM5\_3\_Central
2. Expand Tables
3. Left click on dbo.tServer
4. Right click on Open Table

1. Look for the IPAddress Field

**Step 11: Microsoft SQL Management Studio Express ESM5\_3\_Central IPAddress**

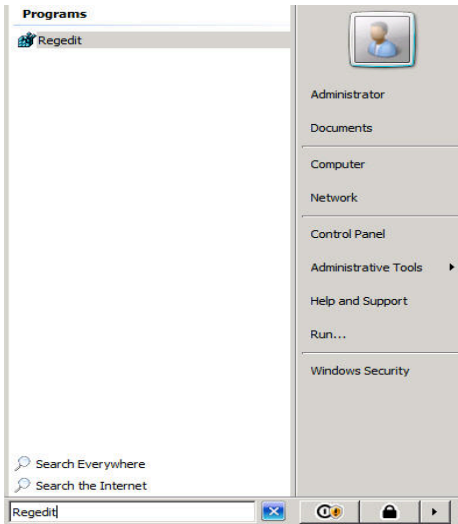


1. Change the entry from the old server name to the new server name.

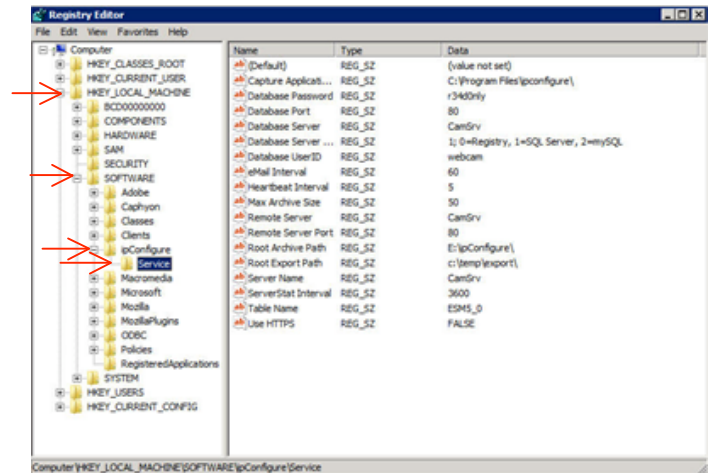
For this training documentation, the ServerIP entry RecordingSrv has been updated from the old server name of CamSrv.

Please input your server name here.

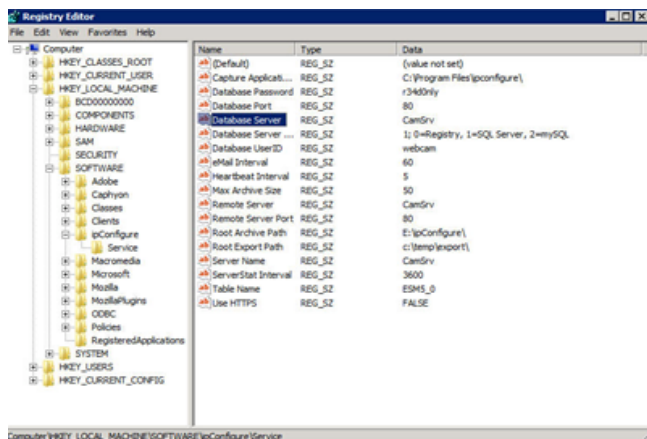
**SERVER NAME CHANGE – UPDATE REGISTRY**

**Step 1: Registry – Open**

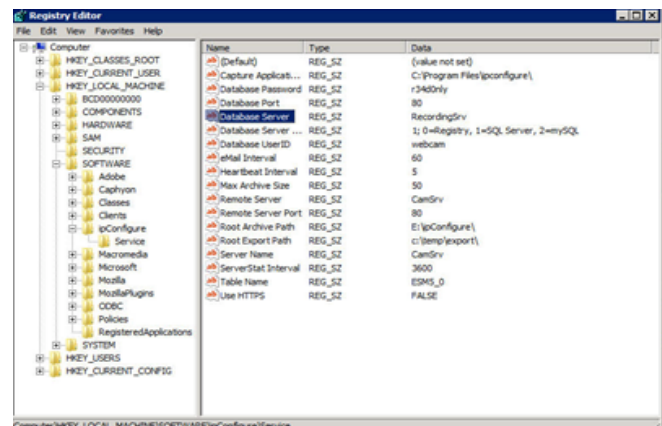
1. Start Regedit

**Step 2: Registry – HKEY\_LOCAL\_MACHINE Software/ipConfigure/Service**

1. Open up HKEY\_LOCAL\_MACHINE
2. Open up Software
3. Open ipConfigure
4. Open Service

**Step 3: Registry – Database Server**

1. Look for Database Server, it will be your old server name.

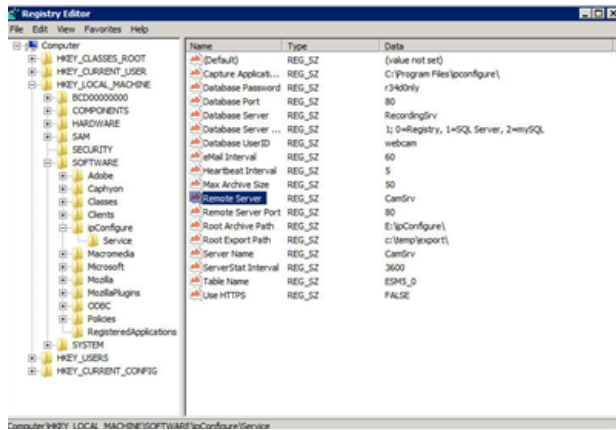
**Step 4: Registry – Database Server updated**

1. Change the entry from the old server name to the new server name.

For this training documentation, the ServerIP entry RecordingSrv has been updated from the old server name of CamSrv.

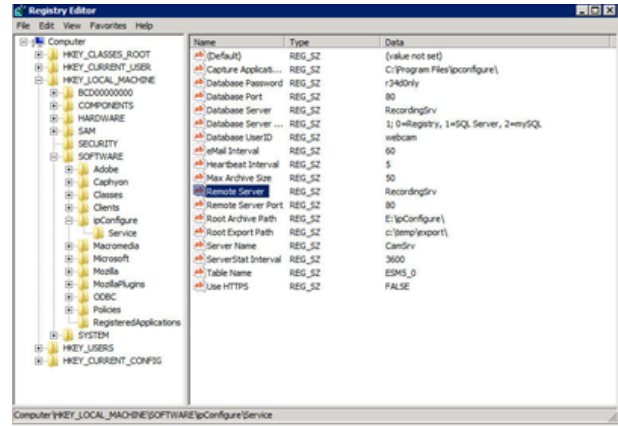
Please input your server name here.

### Step 5: Registry – Remote Server



1. Look for Remote Server, it will be your old server name.

### Step 6: Registry – Remote Server updated

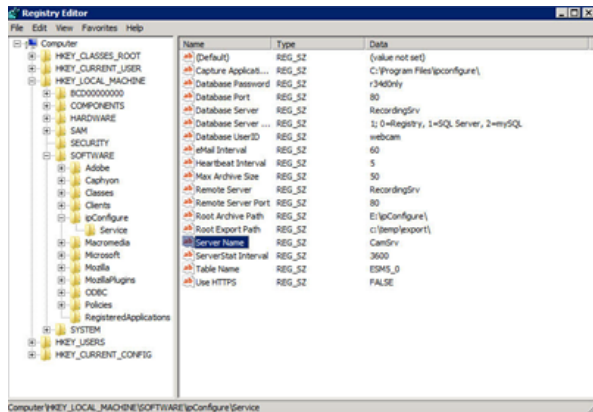


1. Change the entry from the old server name to the new server name.

For this training documentation, the ServerIP entry RecordingSrv has been updated from the old server name of CamSrv.

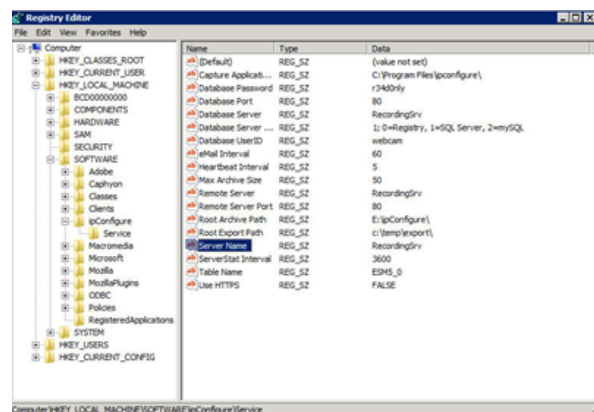
Please input your server name here.

### Step 7: Registry – Server Name



1. Look for Server Name

### Step 8: Registry – Server Name

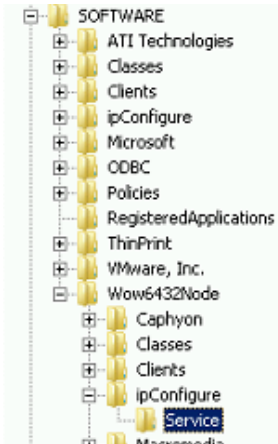


1. Change the entry from the old server name to the new server name.

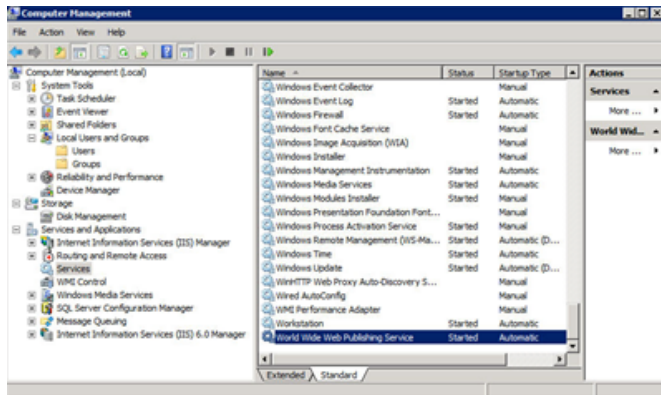
For this training documentation, the ServerIP entry RecordingSrv has been updated from the old server name of CamSrv.

Please input your server name here.



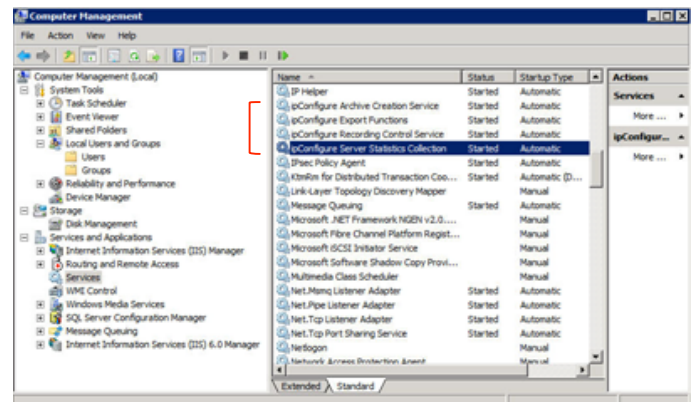
**Step 9: Registry**

- For 64 bit OS make the same changes to the second set of registry keys found at the path above in the screenshot.  
(Software>Wow6432\Node>ipConfigure>Services)

**SERVER NAME CHANGE – RESTART SERVICES/VALIDATE IPCONFIGURE SOFTWARE****Step 1: Services**

The World Wide Web Publishing Service needs to be started.

- Start the World Wide Web Publishing Service

**Step 2: Services – ipConfigure**

The 4 ipConfigure Services need to be started.

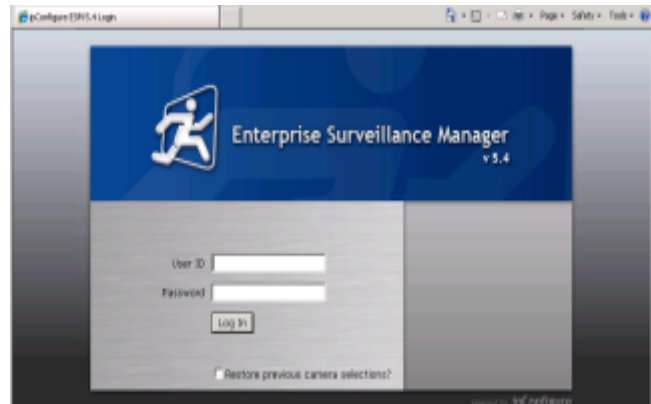
- Start ipConfigure Archive Creation Service
- Start ipConfigure Export Functions
- Start ipConfigure Recording Central Service
- Start ipConfigure Server Statistics Collection

**Step 12: ipConfigure Admin Login Page**

1. In the address bar, when using the DNS Server Name, the server name is in the web address.
2. Verify that you get this address when using your new Server Name.

<http://servername/admin>

\*Note: use your new server name

**Step 13: ipConfigure Matrix Login Page**

1. In the address bar, when using the DNS Server Name, the server name is in the web address.
2. Verify that you get this address when using your new Server Name.

<http://servername>

\*Note: use your new server name