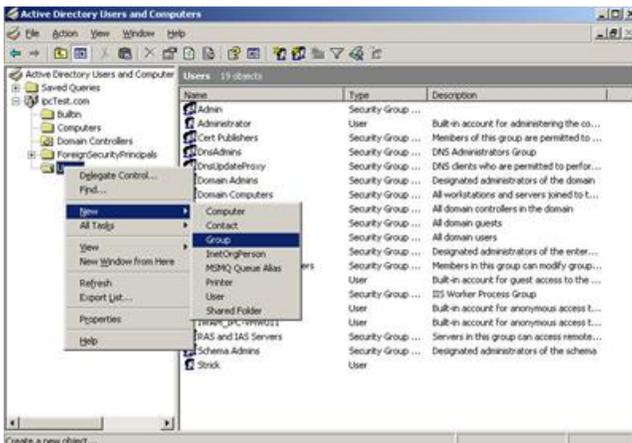


Active Directory Authentication Integration

This document provides a detailed explanation of how to integrate Active Directory into the ipConfigure Installation of a Windows 2003 Server for network security. The Active Directory Integration and 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. This guide assumes that Active Directory is already installed and being utilized in your network atmosphere. Although this was performed on a Windows 2003 Server, this document can also be used with Windows 2008 Server and Active Directory.

Step 1: Active Directory – Users and Computers – Create New Administrator Group



1. Create a new object...
2. Click on New
3. Click on Group

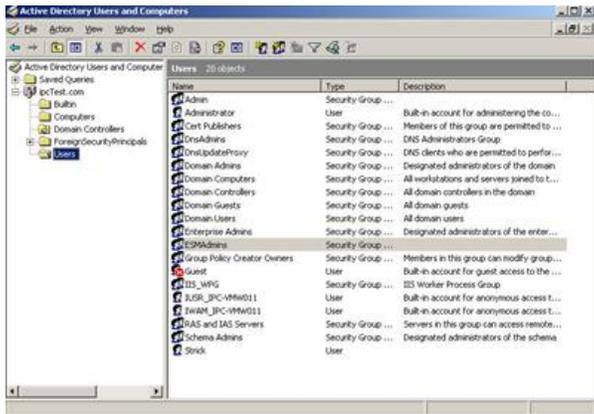
Step 2: Active Directory – Users and Computers – Create New Administrator Group – New Object – Group



1. Under Group Name, enter a name to be used for your ipConfigure Administrator's Group
2. Leave the Group Scope and Group type defaults
3. Click OK

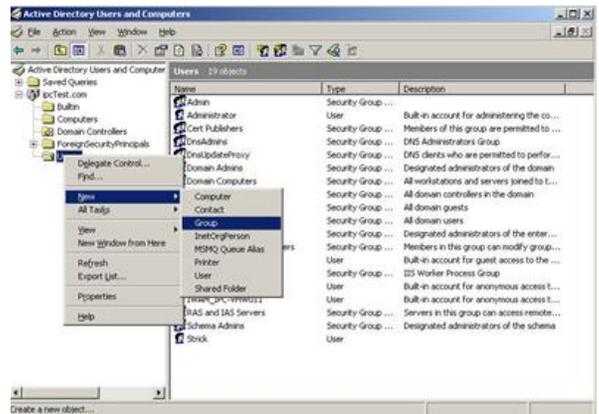
*Note: Do not use the characters ` or & in group names of for users as these will cause Java script errors within the ipConfigure Application.

Step 3: Active Directory – Users and Computers – Verify new Group



1. Verify that the new group has been created

Step 4: Active Directory – Users and Computers – Create New User Group



1. Right Click on Users
2. Click on New
3. Click on Group

*Note: You can add multiple User Groups to ipConfigure. Examples: ESMSecurity, ESMteachers, ESMNurses, Nurses

The ESM in front of Security and teachers is just to help identify what those groups were created for.

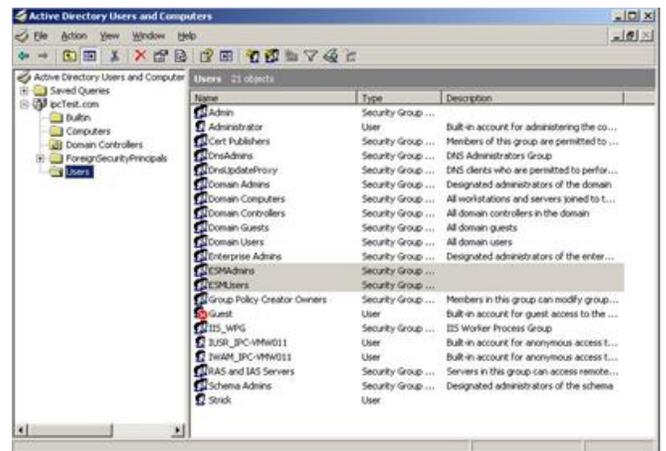
Step 5: Active Directory – Users and Computers – Create New Administrator Group – New Object – Group



1. Under Group Name, enter a name to be used for your ipConfigure Administrators Group
2. Leave the Group Scope and Group type defaults
3. Click OK

*Note: Do not use the characters ` or & in group names or for users as these will cause Java script errors within the ipConfigure Application.

Step 6: Active Directory – New Group Verify



1. Verify that the new Users Group has been Completed
2. Open up the new Administrators Group

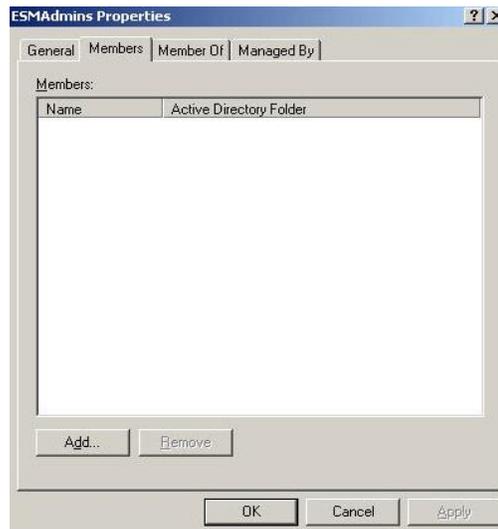
*Note: For this training purpose, the ESMAdmins was the group created.

Step 7: Active Directory – Adding Users to the Administrators Group



1. Click on the Members Tab

Step 8: Active Directory – Adding Users to the Administrators Group



1. Click Add...

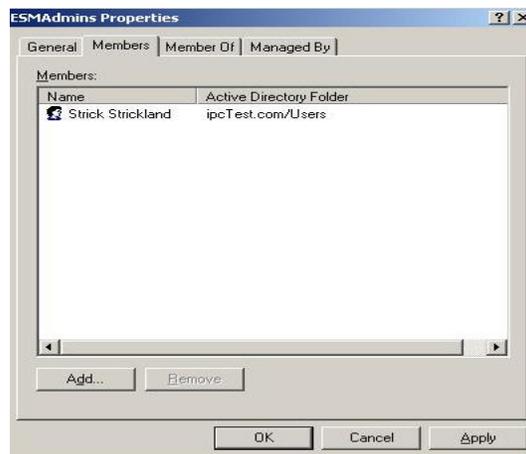
Step 9: Active Directory – Adding Users to the Administrators Group



1. Type in the users name that you want to add to the Administrators Group.
2. Click on Check Name
3. Click OK

*Note: You can add multiple users at the same time.

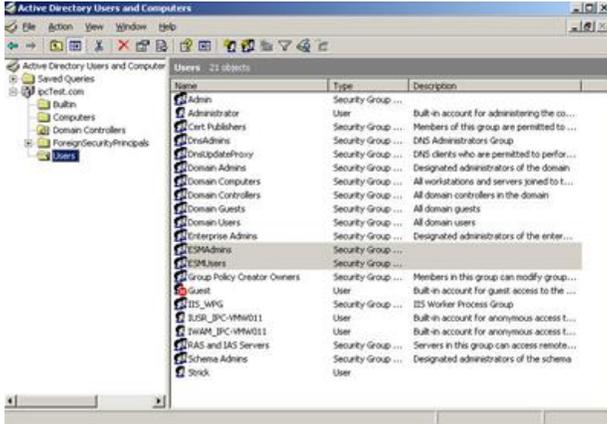
Step 10: Active Directory – Adding Users to the Administrators Group



1. Verify that the User is added.
2. Click OK

*Note: For multiple users, click Add... and repeat

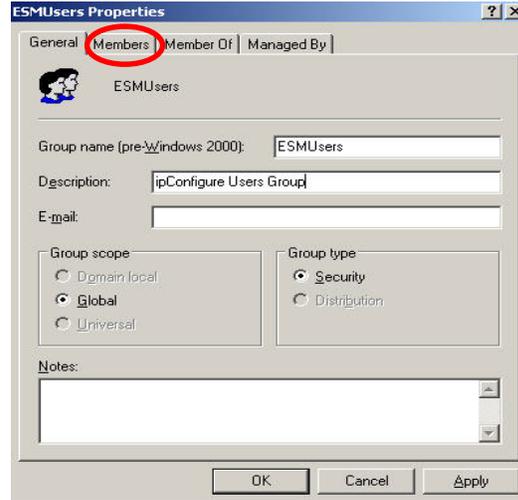
Step 11: Active Directory – Adding Users to the Users Group



1. Open up the new Users Group

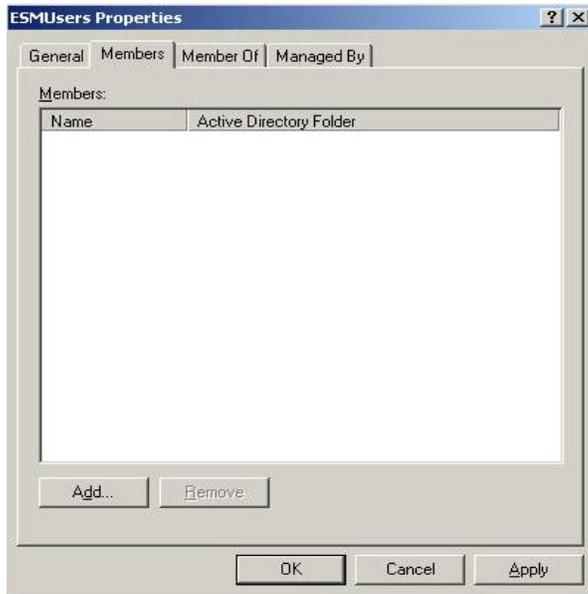
*Note: For this training purpose, ESMUsers was the group created.

Step 12: Active Directory – Adding Users to the Users Group



1. Click on the Members Tab

Step 13: Active Directory – Adding Users to the Users Group



1. Click on Add...

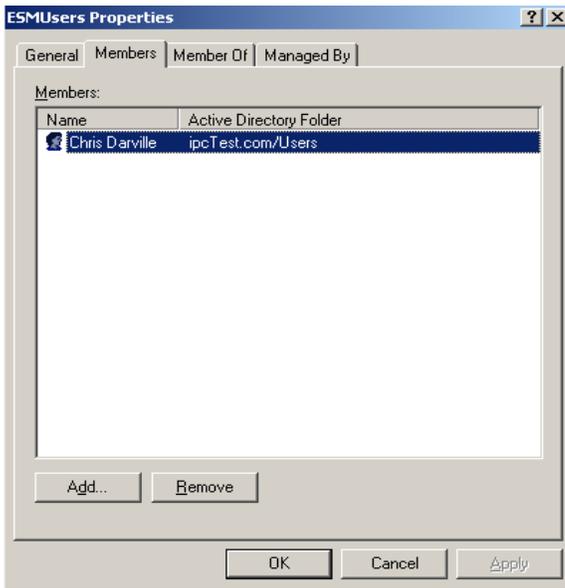
Step 14: Active Directory – Adding Users to the Users Group



1. Type in the users name that you want to add to the users group.
2. Click on Check Names
3. Click OK

*Note: You can add multiple users at the same time.

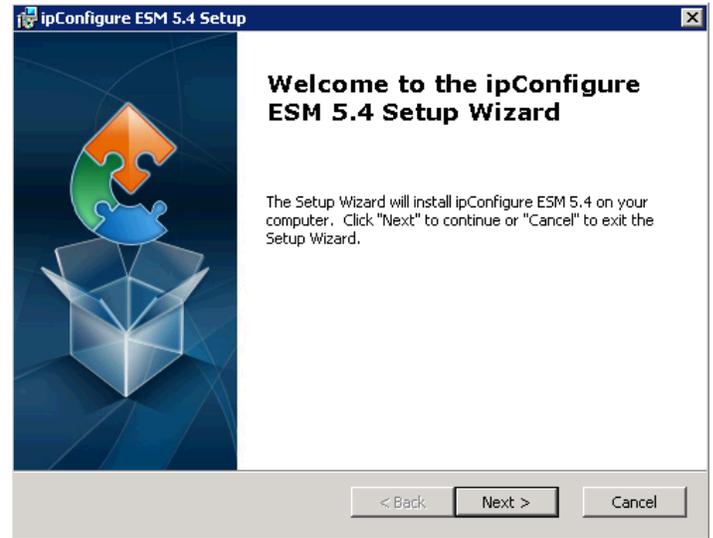
Step 15: Adding Directory – Adding Users to the Users Group



1. Verify that the User is added.
2. Click OK

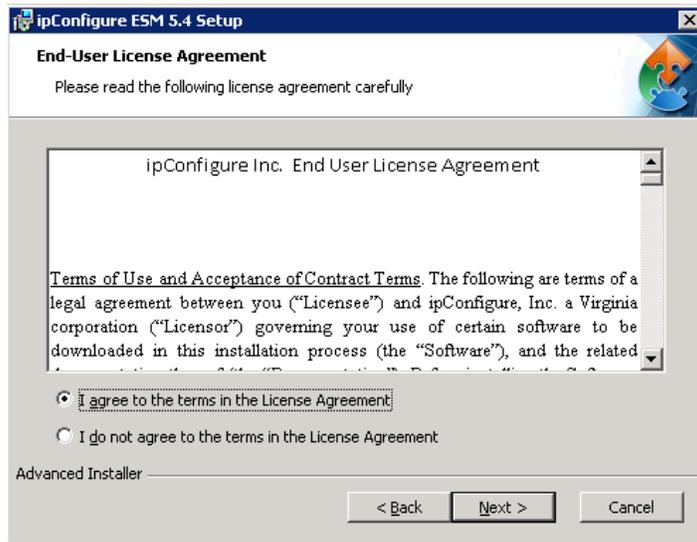
*Note: For multiple users, go back to the previous step.

Step 16: ESM 5.x Setup Wizard



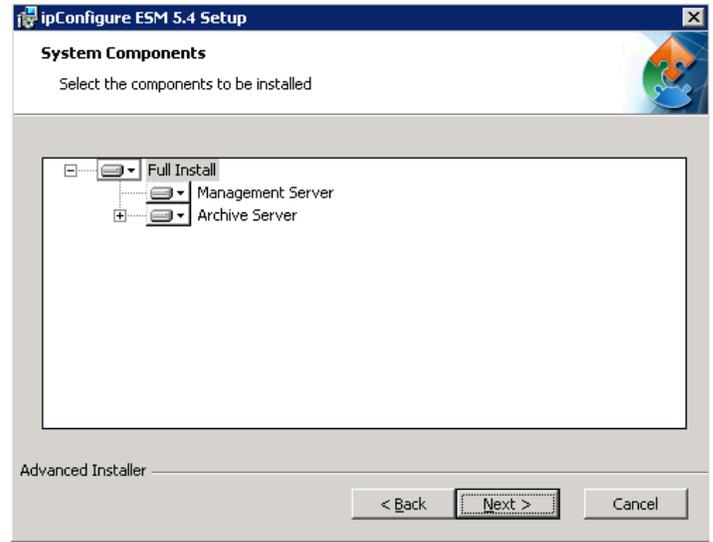
1. Click Next >

Step 17: ESM 5.x – License Agreement



1. Select " I accept the terms in the License Agreement"
2. Click Next >

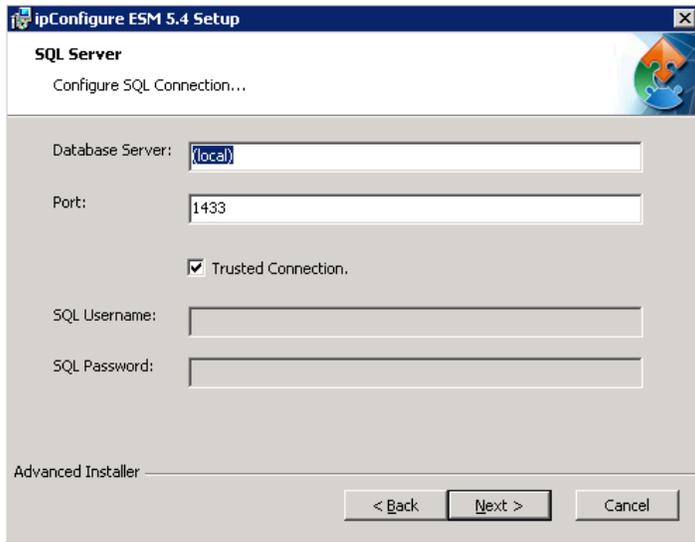
Step 18: ESM 5.x – System Components Installation



1. Click Next >

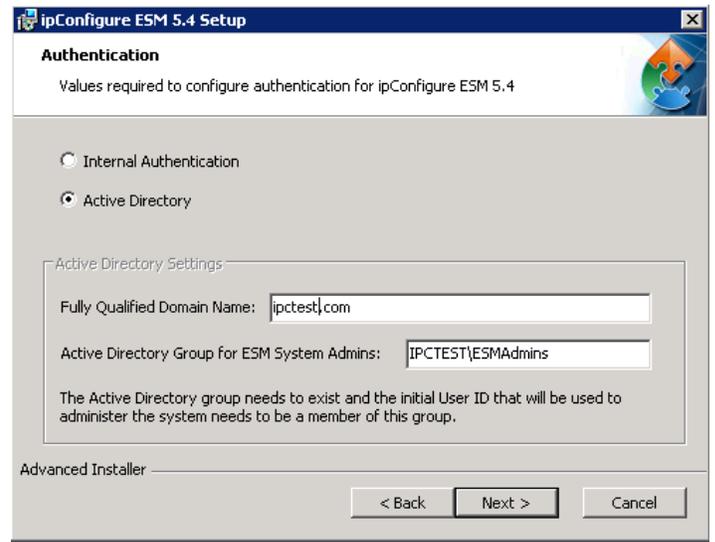
*Note: This training document is demonstrating how to install a server to be both a Management Server and Archive Server. If you plan on having multiple servers and do not want to use this main server as an archive server, then right click on the Archive Server and select do not install.

Step 19: ESM 5.x – SQL Database Connection



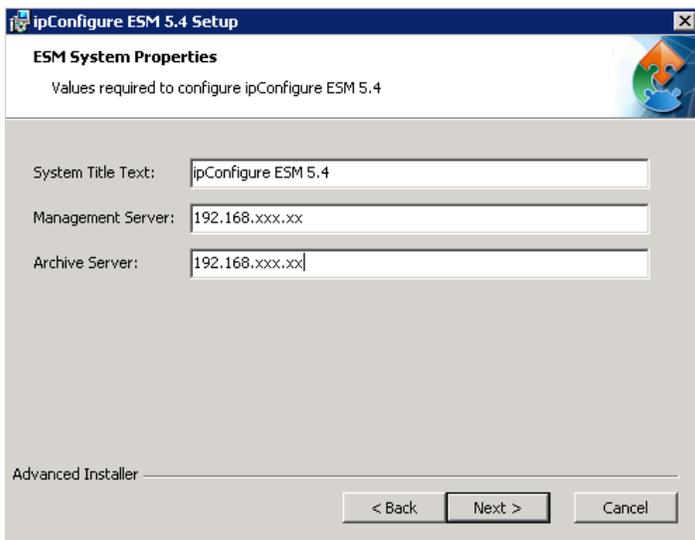
1. Enter Server name or IP address
 2. Enter Port number
 3. Check the 'Trusted Connection' box if your connection is trusted
 4. If your connection is not trusted, unclick 'Trusted Connection' box and enter SQL Username and SQL Password.
- *Note-Only need to fill out SQL boxes if connection is not trusted
5. Click: Next >

Step 20: ESM 5.x – Active Directory Integration



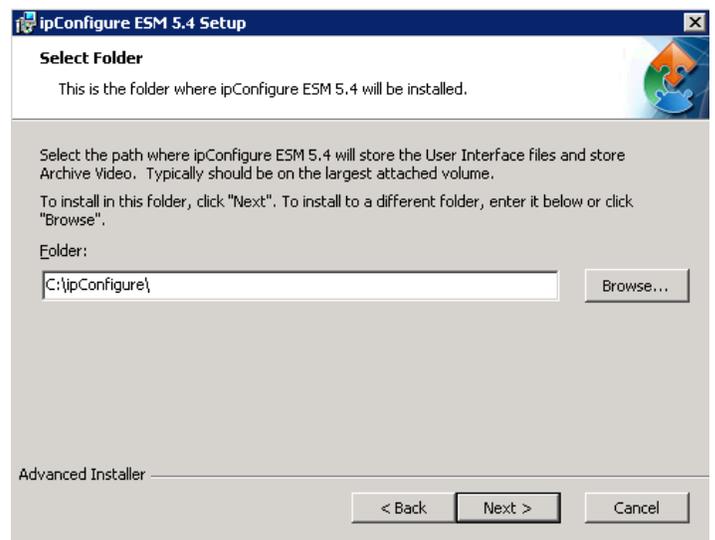
1. Choose 'Active Directory'
 2. Enter the Fully Qualified Domain Name (Pre-Windows 200 Domain Name)
 3. Enter the Active Directory Group for ESM System Admins (Ex. NetBios\Group_Name Ipctest\ESMAdmins)
- To get this information, it is on the Users Properties Account Tab

Step 21: ESM 5.x – System Properties



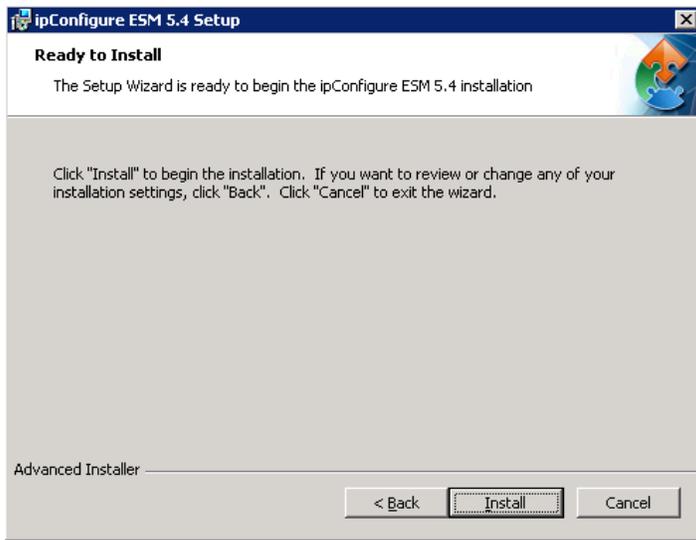
1. Enter Management Server IP Address.
 2. Enter Archive Server IP
- *Note: The IP Address is the server you are installing ipConfigure on.

Step 22: ESM 5.x – Select Folder



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

Step 23: ESM 5.x – Ready to Install



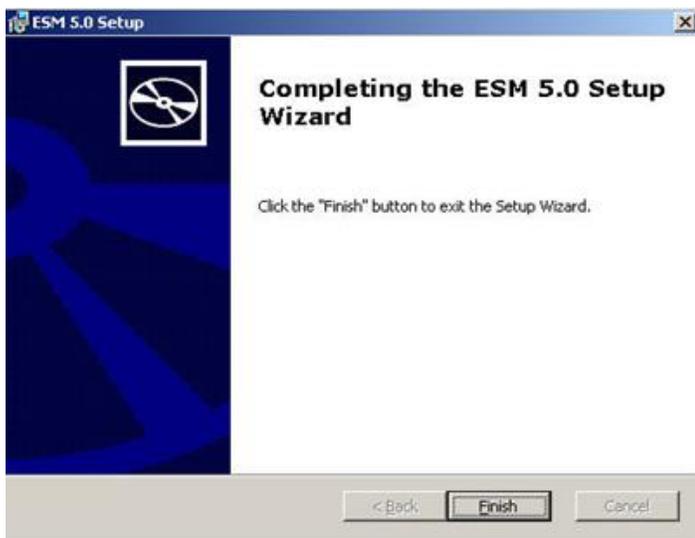
1. Click Install

Step 24: ESM 5.x – Status



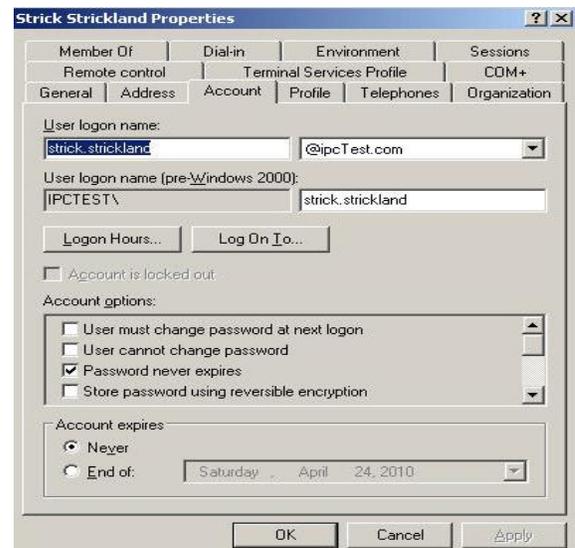
An informational screen that will let you see the progress of the installation.

Step 25: ESM 5.x – Installation Finished



- 1.

Step 26: Active Directory – User Properties



Open up the properties in Active Directory for a User that was assigned to the new ipConfigure Administrators Group

1. Select the Account Tab

To get the correct login for ipConfigure, the user will be using the User Logon Name and the domain, it's the Windows 2003 or 2008 credentials.

Strick.strickland@ipctest.com

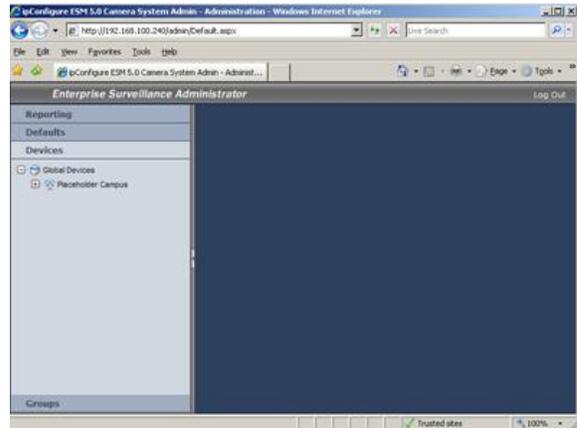
*Note: It has to be the full address to login or the login will fail.

Step 27: ESM – Administrator Login



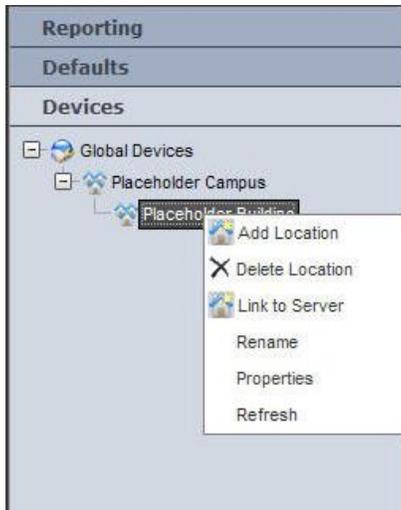
1. Enter the User ID and password
2. Click Log In

Step 28: ESM – Login Successful



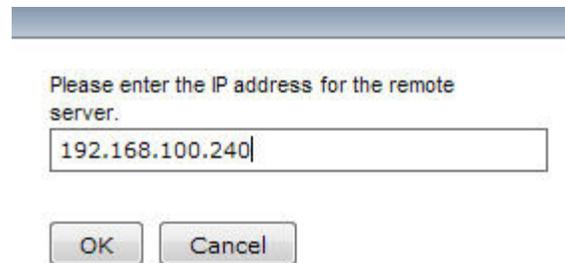
If you get this screen after logging in with your credentials, then the installation was a success.

Step 29: ESM – Link to Server



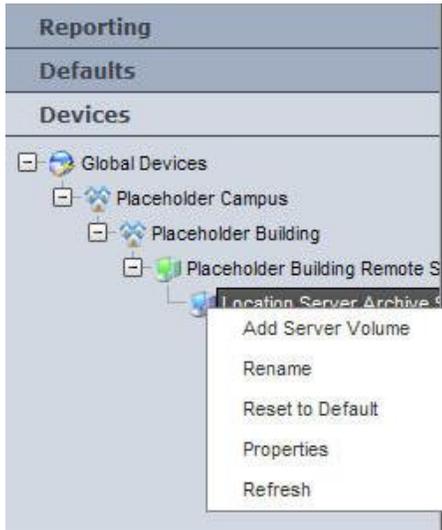
1. Right Click on Placeholder Building
2. Click on Link to Server

Step 30: ESM – Link to Server



1. Use the same IP address of the server that was just installed.

Step 31: ESM – Add Server Volume



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

Step 32: ESM – Add Server Volume

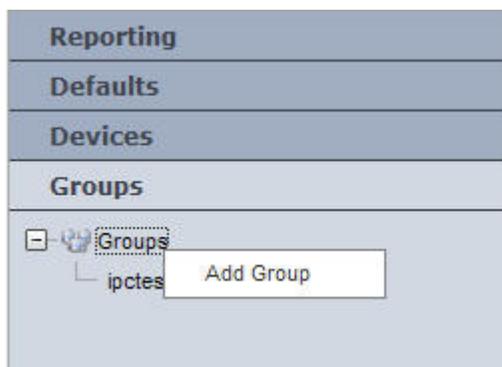


1. When adding the location that the Archive Files will be located, please include the full path to the location.
2. Click OK

*Note: You can have more than one Server Volume on the same server, if you have multiple hard drives that you want to store information to, and then add another Server Volume with the correct drive path.

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

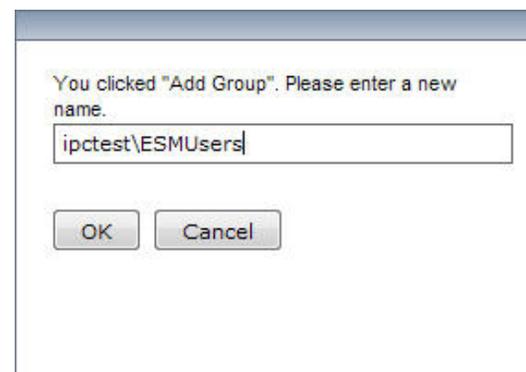
Step 33: ESM – Active Directory – Adding Group



*Note: A user will not be able to log into the site until you add the Group(s) that were added in Active Directory.

You can have numerous User Groups within ipConfigure.

Step 34: ESM – Active Directory – Adding Group

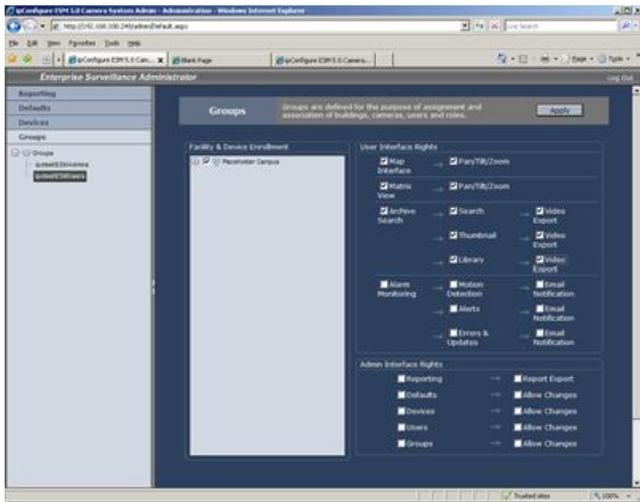


For this documentation, the ESMUsers group was added to Active Directory.

*Note: Leave off the suffix for the domain portion.

You can name the groups whatever you want, then add the people into those groups.

Step 35: ESM – Adding Rights to User Groups



After the User Group is added, you can assign them the rights that you want them to have by placing a checkmark in the boxes.

*Note: A box without a checkmark will not be accessible. This is also true for the users in the Administrative Group that was created.

Step 36: ESM – User Login



After the groups are setup, have a user other than the administrator login to make sure that the Active Directory and ipConfigure Integration is successful.