

ACTAtek Access Manager Suite Installation Manual

Version 1.0
December 30, 2010
ACTAtek Pte Ltd

ACTAtek Access Manager Suite Installation Manual

Copyright 2010 ACTAtek Pte Limited, All rights reserved.

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise without the prior written permission of ACTAtek Pte Limited.

ACTAtek is a registered trademark of ACTAtek Pte Limited.

All trademarks, registered trademarks, and service marks are the property of their respective owners.

Offices:

Asia and the Rest of the World:

Unit 901-2, 9/F, Fo Tan Industrial Centre,
26-28 Au Pui Wan Street, Fotan, Shatin, Hong Kong.
Phone: (852) 2319 1333
Fax: (852) 2776 8997
Email: sales-row@actatek.com

Americas (North & South America):

Suite 230, 10691 Shellbridge Way,
Richmond, BC, V6X 2W8, Canada
Phone: (604) 278 8888
Fax: (604) 278 6082
Email: sales-ca@actatek.com

Europe, Middle East, Africa:

351 Pershore Road,
Edgbaston, Birmingham. B5 7RY. U.K.
Phone: (44) 121 472 3991
Fax: (44) 121 472 3990
Email: sales-EU@actatek.com

Singapore & Malaysia:

18, Boon Lay Way, #09-96/97/98
Tradehub 21,
Singapore 609966
Phone: (65) 6515 4520
Fax: (65) 6515 4521
Email: sales-asean@actatek.com

Contents

ACTAtek Access Manager Suite Installation Manual	1
Revision History	2
i) Pre-requisites before installing ACTAtek Access Manager Suite	5
ii) Points to take note for Operation of Access Manager Suite	6
iii) Installing ACTAtek Access Manager Suite	7
iv) Configuration of Windows Server Manager Settings	9
v) Configuration of Internet Information Services	21
vi) Configuration of Windows Folder/Security Settings	24
vii) Configuration of ACTAtek Access Manager Suite	28
viii) Configuration of ACTAtek Unit for Access Manager Usage	32

i) Pre-requisites before installing ACTAtek Access Manager Suite

Hardware Requirements:

- CPU Processor: Intel Core 2 Duo 2.6GHz or higher.
- At least 4 GB of system memory.
- At least 20 GB of available hard disk space.
- Ethernet Card 100 Base-T is recommended.

Software Requirements:

- Windows Vista Business/Win 7 Professional/Server 2003/Server 2008 (both 32bits and 64bits supported).
- Microsoft SQL Server for Database Server (SQL Server 2005 and 2008 are supported).
- Microsoft .Net 2.0 and 3.5 runtime have to be installed.
- The following web browsers are supported :-
 - 1) Internet Explorer v7.0 and above
 - 2) Chrome v6 and above
 - 3) Fire Fox v3.5 and above

Points to take note of:

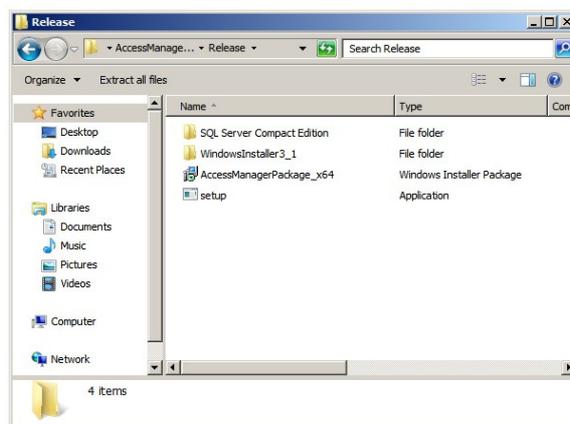
- Access Manager Firmware is not compatible with ACTAtek Time Attendance Software.
- Access Manager Firmware is not compatible with ACTAtek Agent.
- Access Manager Firmware is not compatible with ACTAtek Sync.

ii) Points to take note for Operation of Access Manager Suite

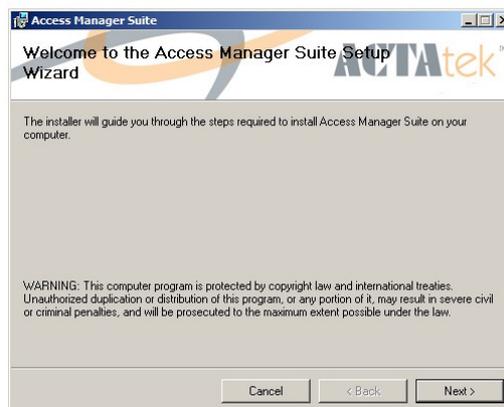
- 1) For the first ACTAtek unit registered with Access Manager Suite, all the data in the unit will be sent to Access Manager.
- 2) As for subsequent units registered with Access Manager Suite, all the data in the units will be erased and overwritten with the data from Access Manager Suite instead.
- 3) Firmware and FAM versions must be the same for all ACTAtek units registered with Access Manager Suite.
- 4) You are now able to un-register any registered ACTAtek unit as the Access Manager itself acts as the Primary Database.
- 5) Ensure that time zone and time settings are set correctly for both ACTAtek units and PC/Server (installed with Access Manager Suite).

iii) Installing ACTAtek Access Manager Suite

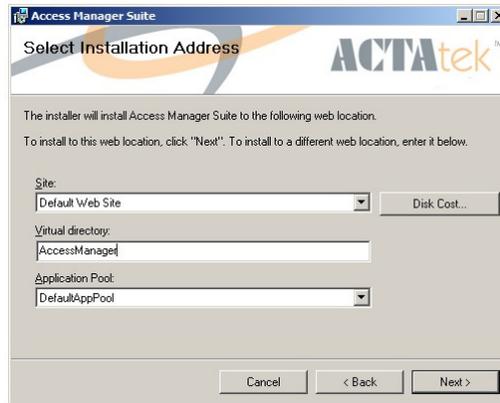
- 1) Make sure that Microsoft SQL Server is installed and running before installing ACTAtek Access Manager Suite.
- 2) Double Click on Setup.exe to start installing ACTAtek Access Manager Suite.



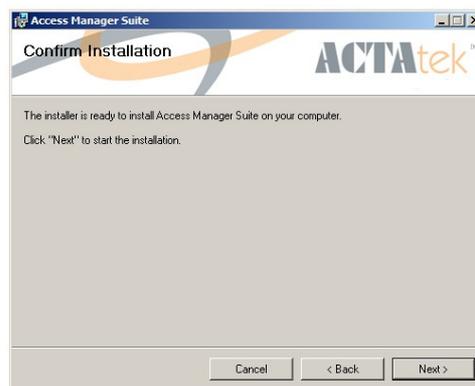
- 3) Click on any key to continue installing as per below screenshot.



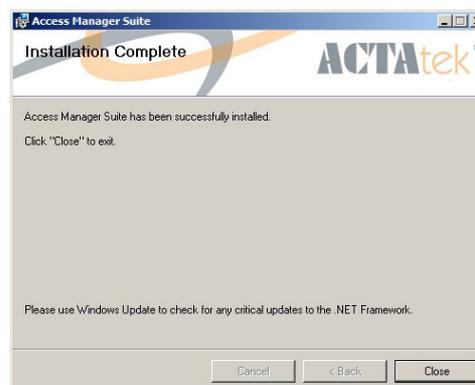
4) Stick with Default values and Click on “Next” to proceed.



5) Click on “Next” to start installation.

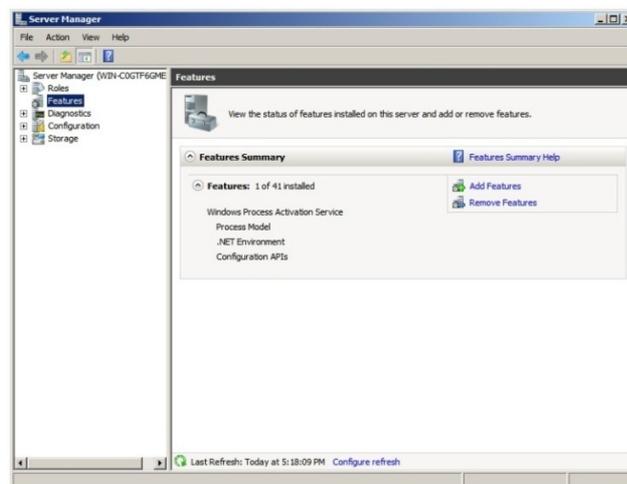


6) Press Finish to complete the installation. You have successfully installed Access Manager Suite on your computer.

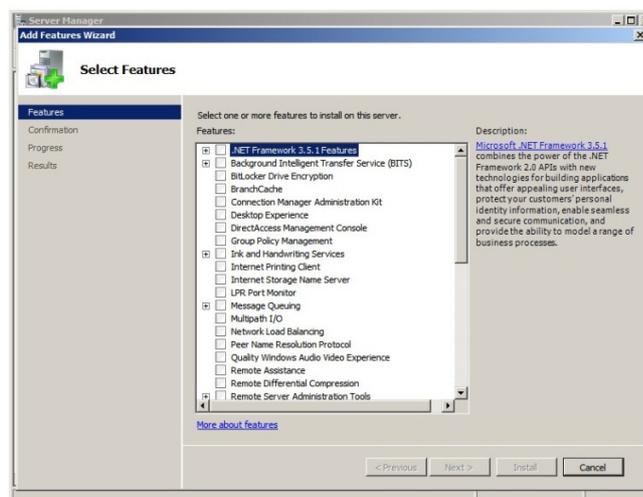


iv) Configuration of Windows Server Manager Settings

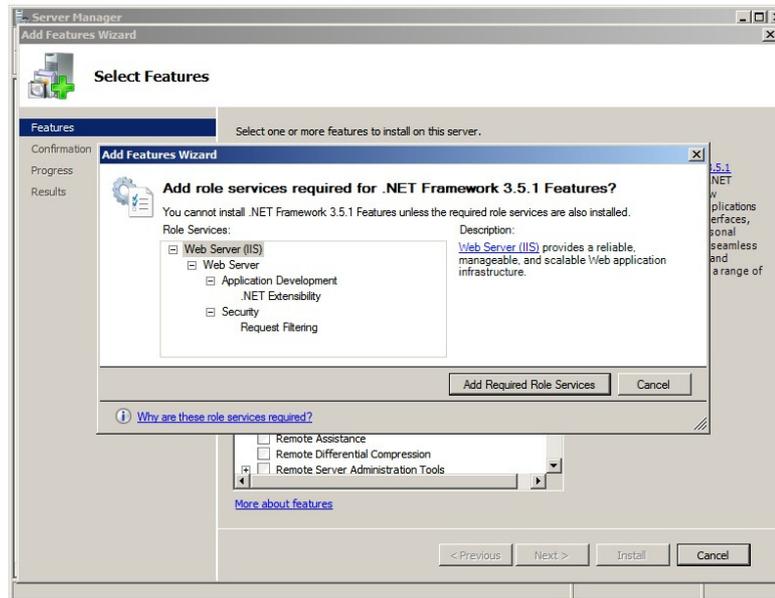
- 1) Do take note that for this guide, we are using Windows Server 2008.
- 2) Click on “Server Manager”.
- 3) Select “Features” and click on “Add Features”.



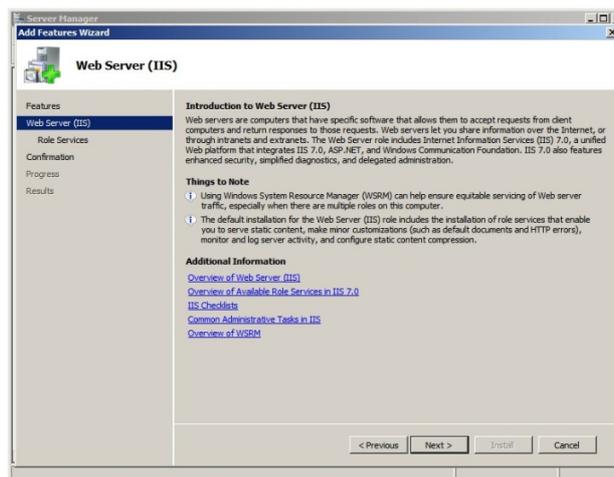
- 4) Check on “.NET Framework 3.5.1 Features” if Microsoft .Net Framework 3.5 has not been installed on your Server.



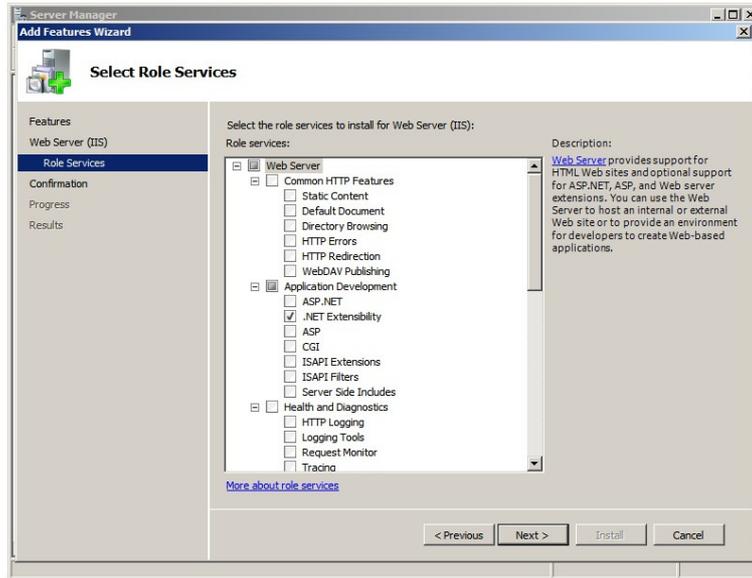
- 5) Upon checking on “.NET Framework 3.5.1 Features”, there will be a pop up window (Add Features Wizard). Click on “Add Required Role Services”.



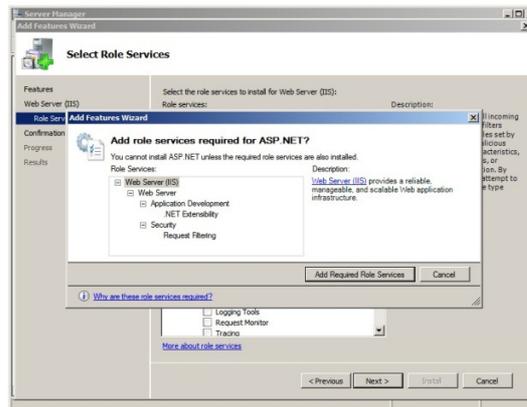
- 6) Click on “Next >” to proceed.



7) Check on “ASP.NET”.

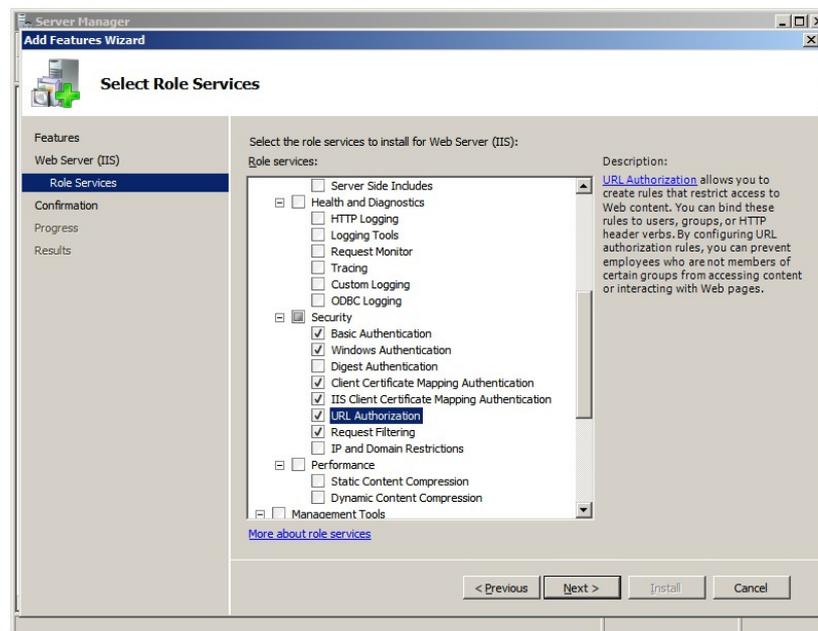


8) Upon checking on “ASP.NET”, there will be a pop up window (Add Features Wizard). Click on “Add Required Role Services”.



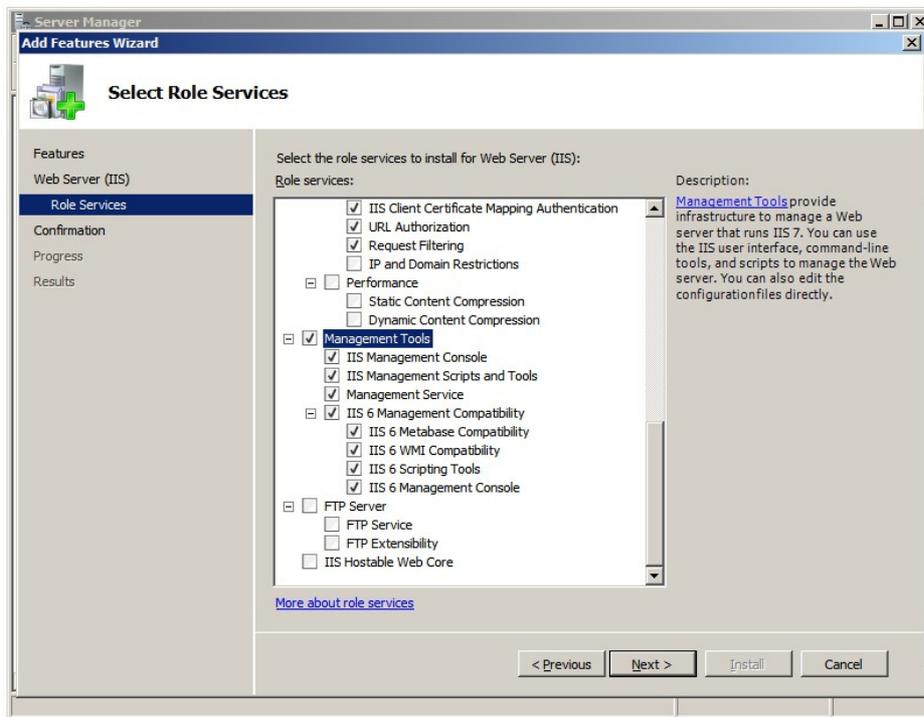
9) Ensure that the below are checked -

- Basic Authentication
- Windows Authentication
- Client Certificate Mapping Authentication
- IIS Client Certificate Mapping Authentication
- URL Authorization
- Request Filtering

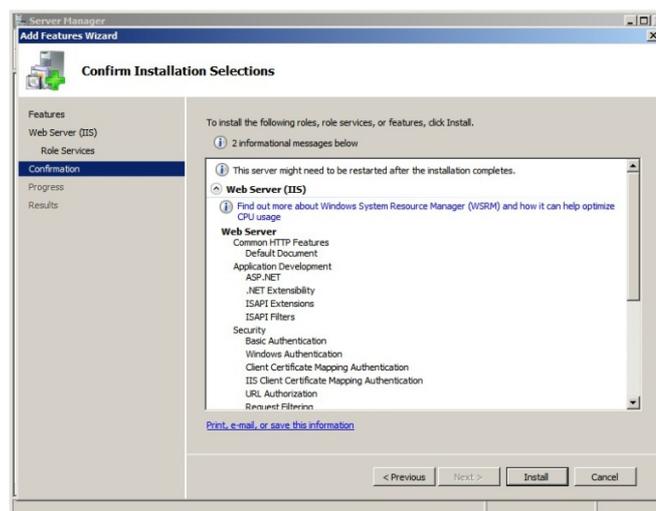


10) Ensure that the below are checked as well –

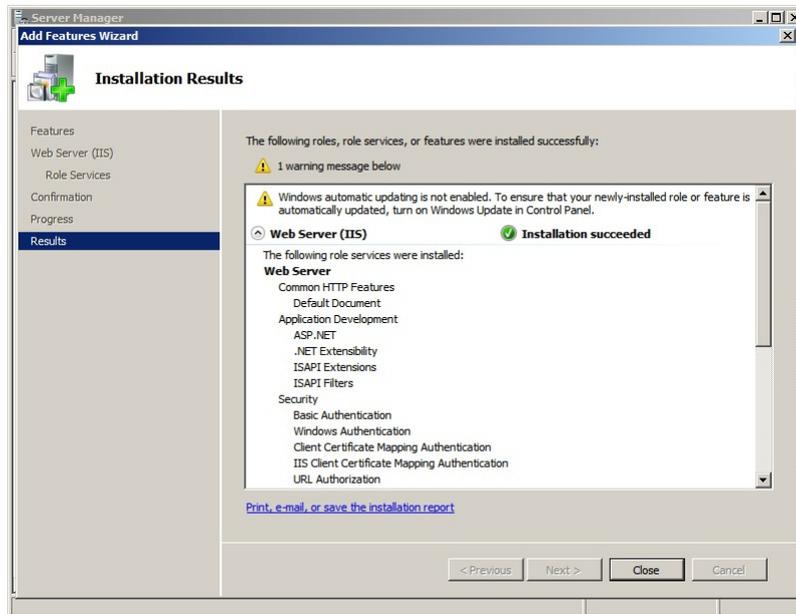
- IIS Management Console
- IIS Management Scripts and Tools
- Management Service
- IIS 6 Metabase Compatibility
- IIS 6 WMI Compatibility
- IIS 6 Scripting Tools
- IIS 6 Management Console



11) Click on "Install" to start installation.



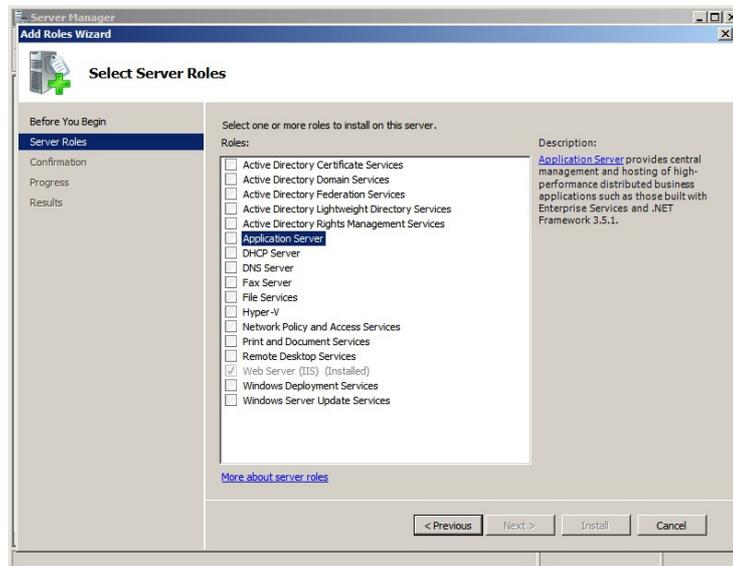
12) Once installation has been successfully completed, click on “Close”.



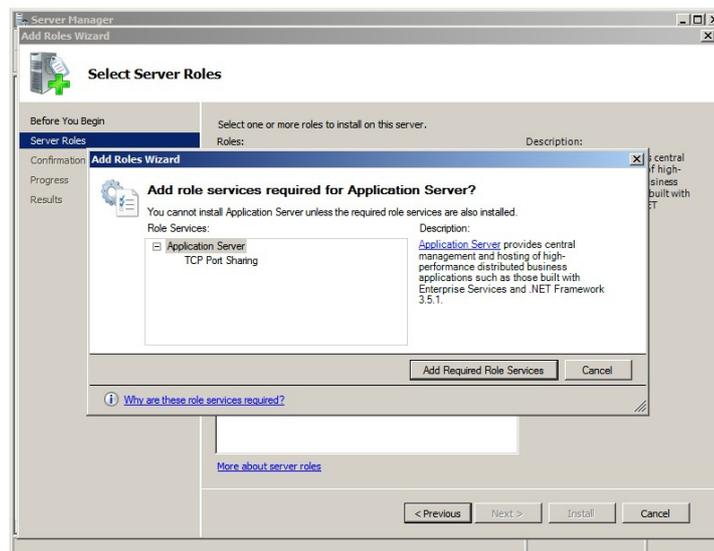
13) Go to “Server Manager”. Click on “Roles” and “Add Roles”.



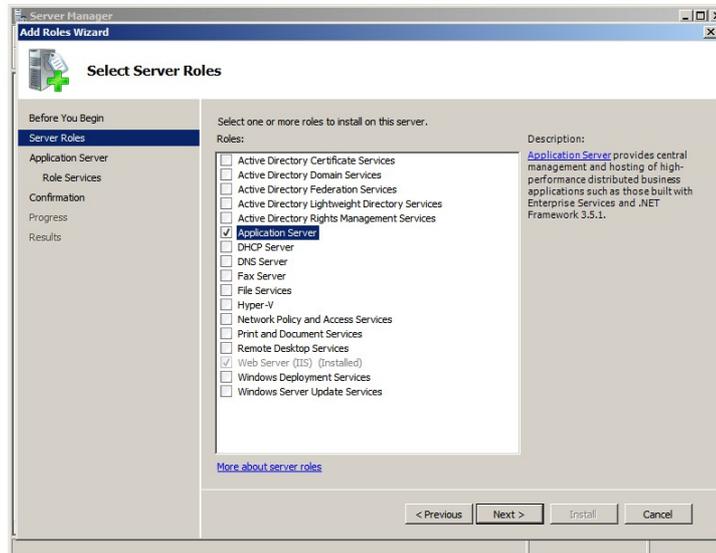
14) Check on “Application Server”.



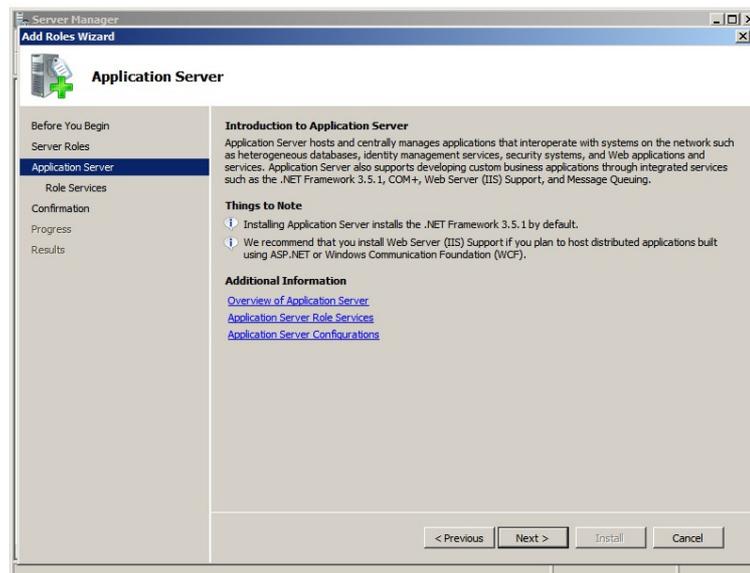
15) Upon checking on “Application Server”, there will be a pop up window (Add Roles Wizard). Click on “Add Required Role Services”.



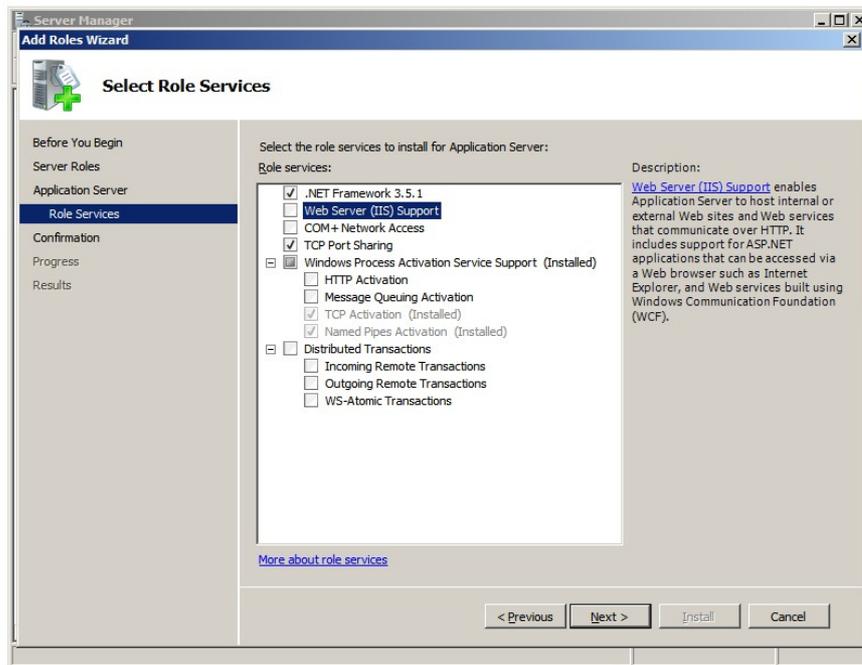
16) Click on “Next >” to proceed.



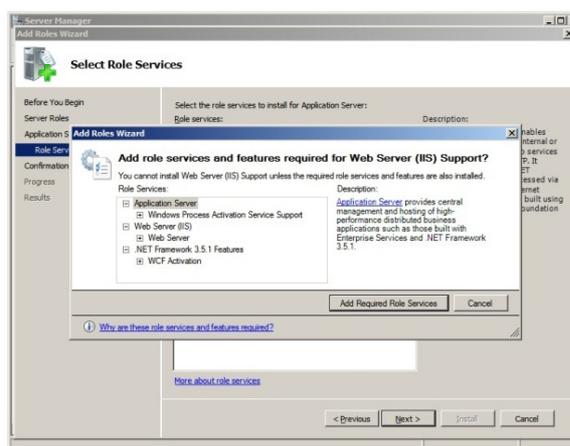
17) Click on “Next >” to proceed.



18) Check on “Web Server (IIS) Support”.

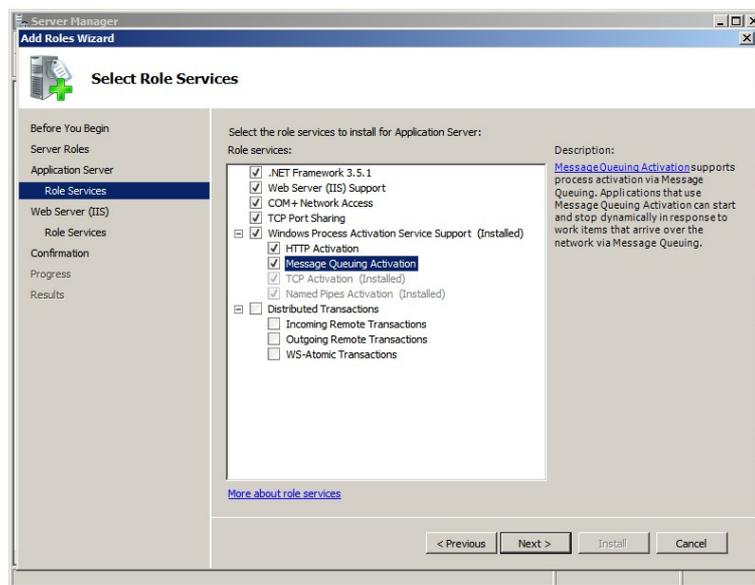


19) Upon checking on “Web Server (IIS) Support”, there will be a pop up window (Add Roles Wizard). Click on “Add Required Role Services”.

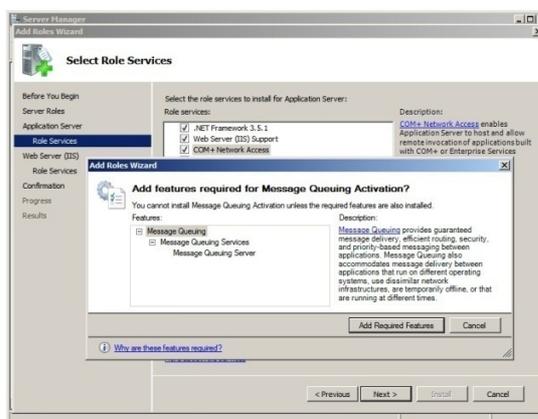


20) Ensure that the below are checked as well –

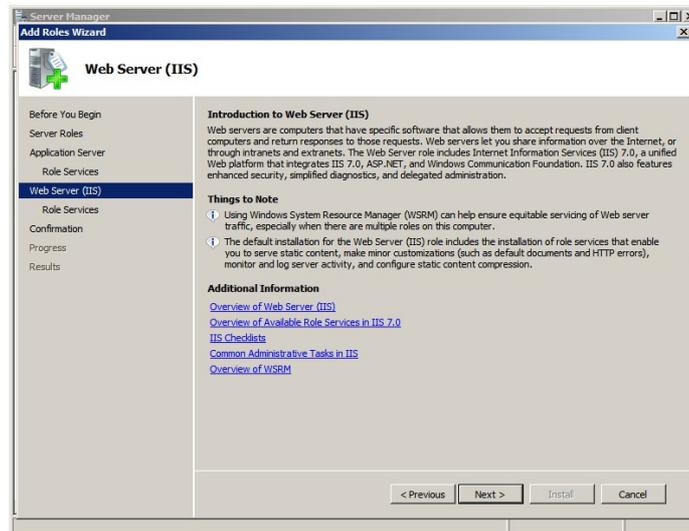
- .NET Framework 3.5.1
- COM+ Network Access
- TCP Port Sharing
- Windows Process Activation Service Support
- HTTP Activation
- Message Queuing Activation



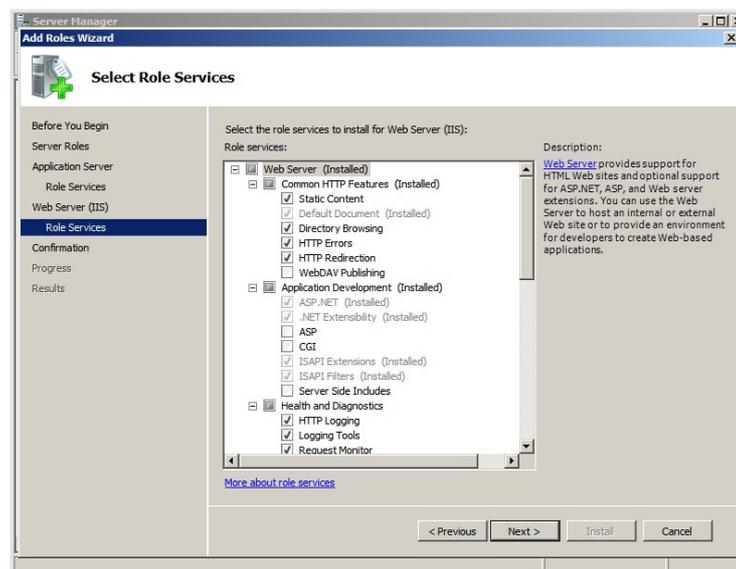
21) Upon checking on “Message Queuing Activation”, there will be a pop up window (Add Roles Wizard). Click on “Add Required Role Services”.



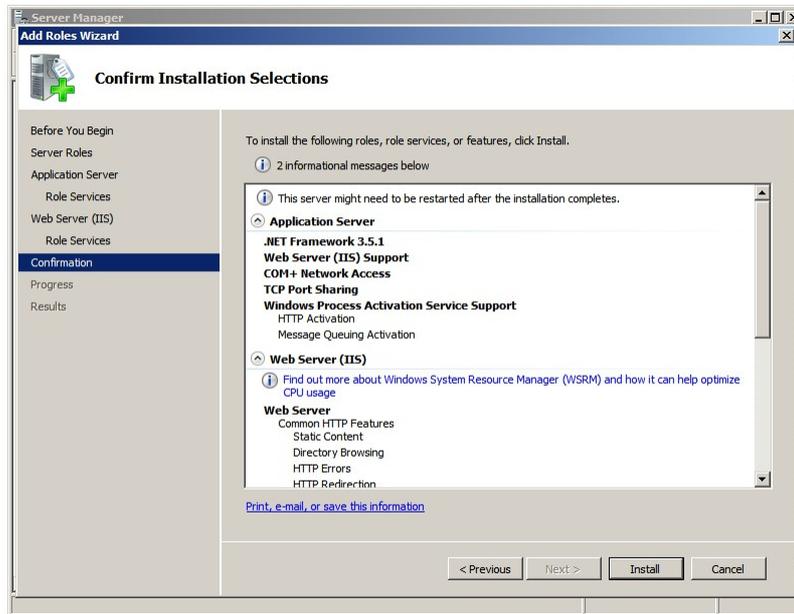
22) Click on “Next >” to proceed.



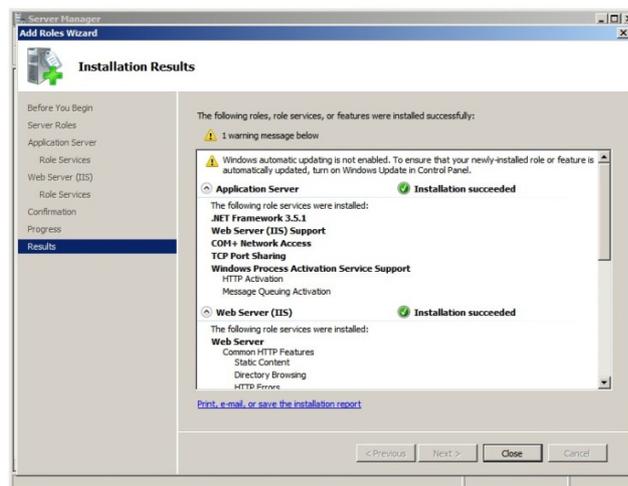
23) Click on “Next >” to proceed.



24) Click on “Install” to start the installation.

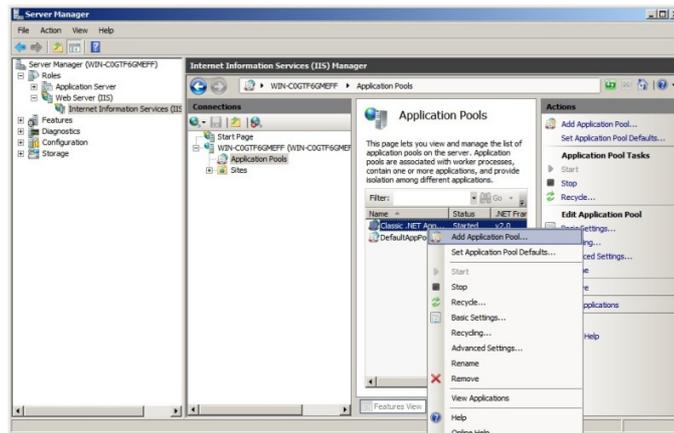


25) Once installation has been successfully completed, click on “Close”.

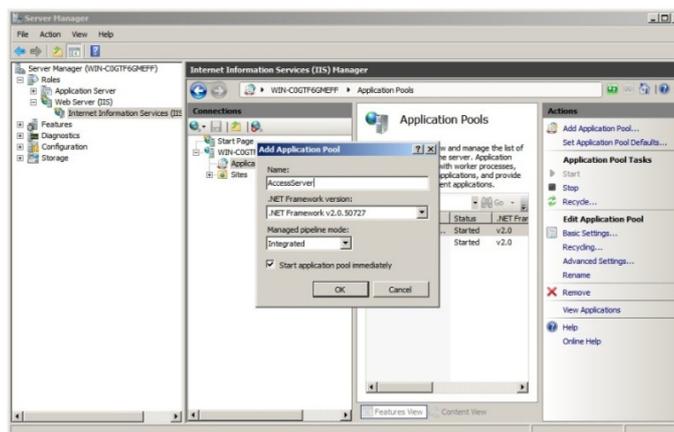


v) Configuration of Internet Information Services

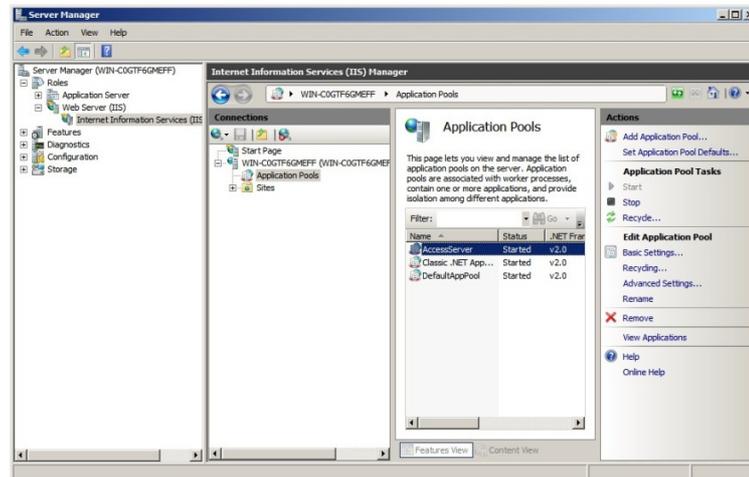
- 1) Go to “Server Manager”. Click on “Internet Information Services (IIS)”.
- 2) Click on “Application Pools”. Right Click on “Classic .NET App” and select “Add Application Pool...”.



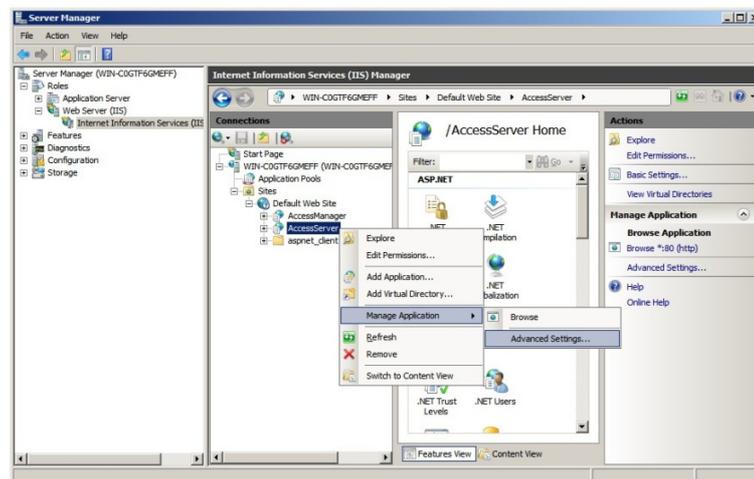
- 3) Enter Name as “AccessServer”.
- 4) Select .NET Framework version as “.NET Framework v2.0.50727”.
- 5) Select Managed pipeline mode as “Integrated”.



- 6) Click on “OK” and you will have successfully added the Application Pool named as “AccessServer”.

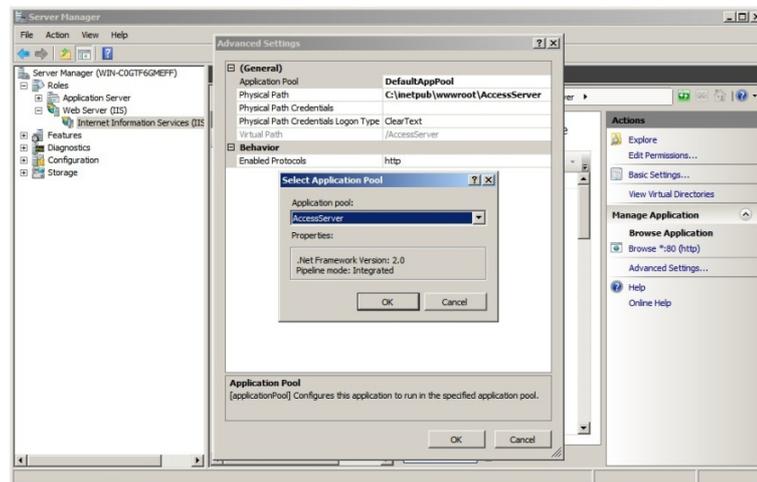


- 7) Expand “Sites” and Right Click on “AccessServer”.
- 8) Select “Manage Application → Advanced Settings”.

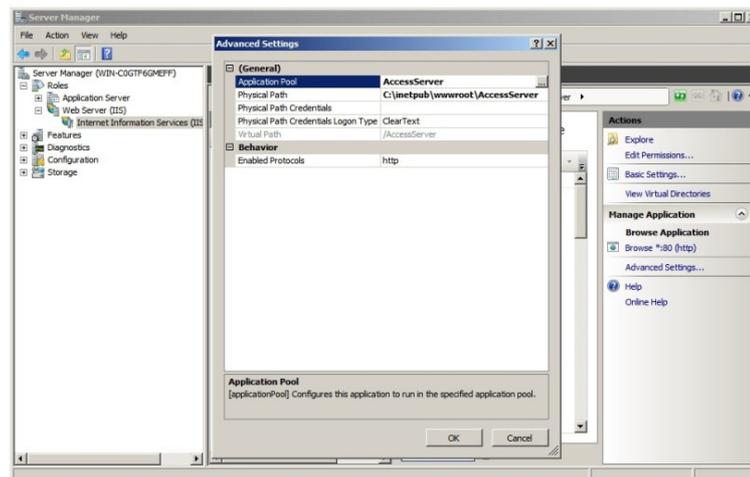


9) Click on “Application Pool”. A pop-up window (Select Application Pool) will appear.

10) Select “AccessServer” for Application pool. Click on “OK”.

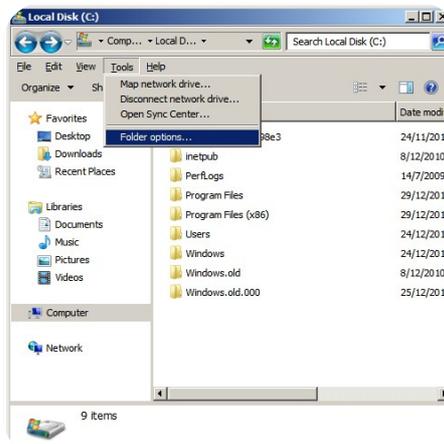


11) Click on “OK” to exit the pop-up window (Advanced Settings).

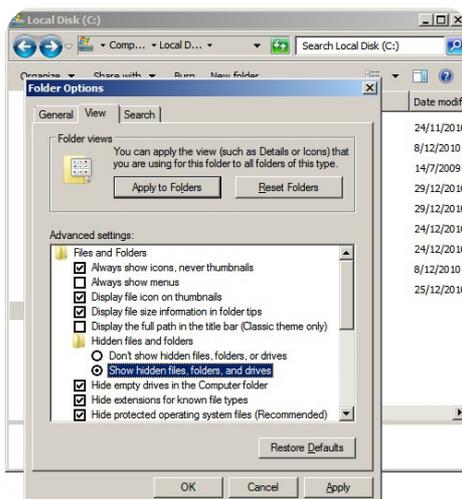


vi) Configuration of Windows Folder/Security Settings

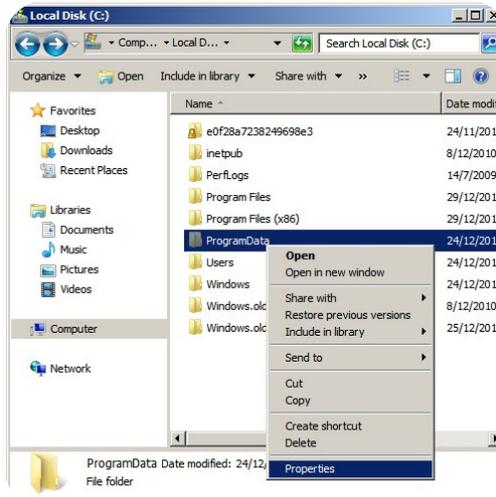
- 1) Go to C:\ and select under “Tools” tab → “Folder options”.



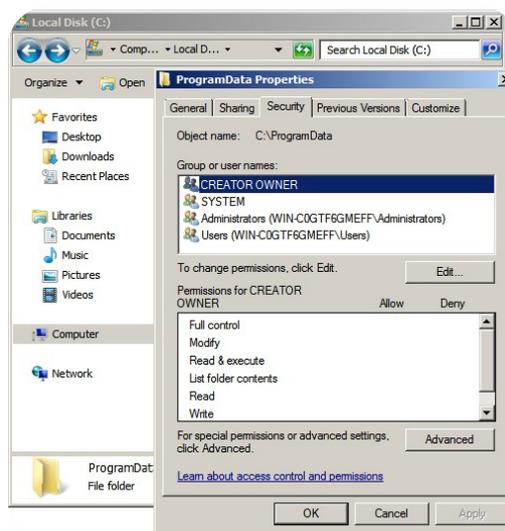
- 2) A pop-up window (Folder Options) will appear. Select “View” tab.
- 3) Check on “Show hidden files, folders, and drives”.
- 4) Click on “OK” to exit the pop-up window (Folder Options).



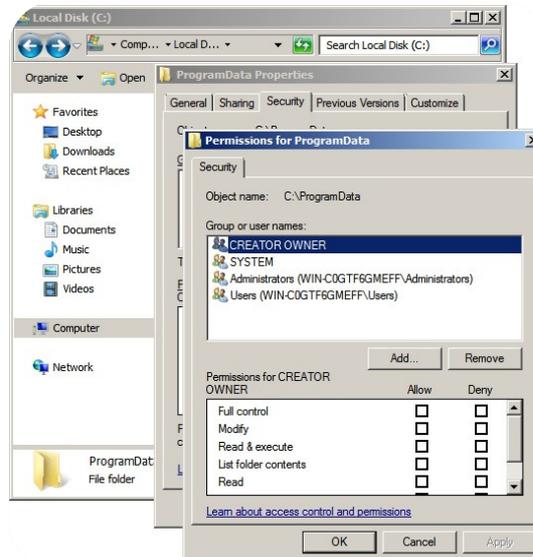
- 5) Now, you will be able to see the hidden folder “ProgramData” in C:\.
- 6) Right Click on “ProgramData” and select “Properties”.



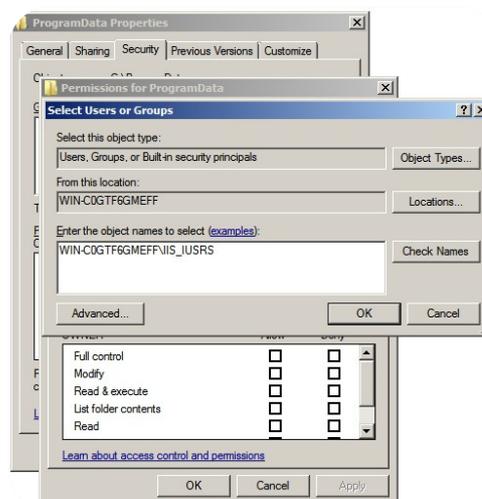
- 7) Select “Security” tab. Click on “Edit”.



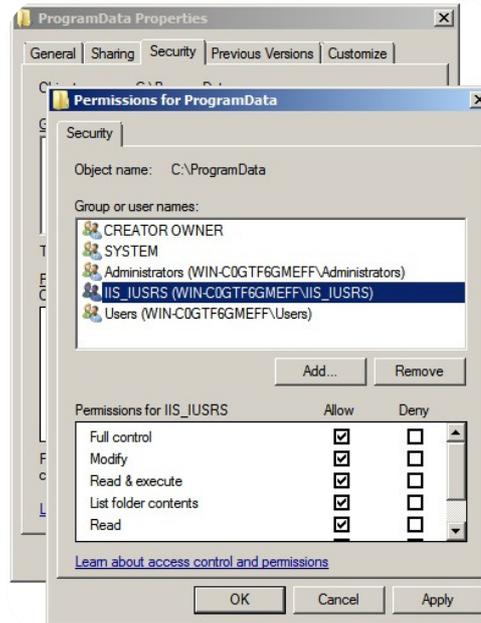
- 8) A pop-up window (Permissions for ProgramData) will appear. Click on “Add...”.



- 9) A pop-up window (Select Users or Groups) will appear.
- 10) Enter the object name to be the following → Location\IIS_IUSRS i.e. WIN-COGTF6GMEFF\IIS_IUSRS. Take note that you can find the location by going to “From this location”.
- 11) Click on “Check Names” once the object name has been entered. Click on “OK” to exit the pop-up window (Select Users or Groups).

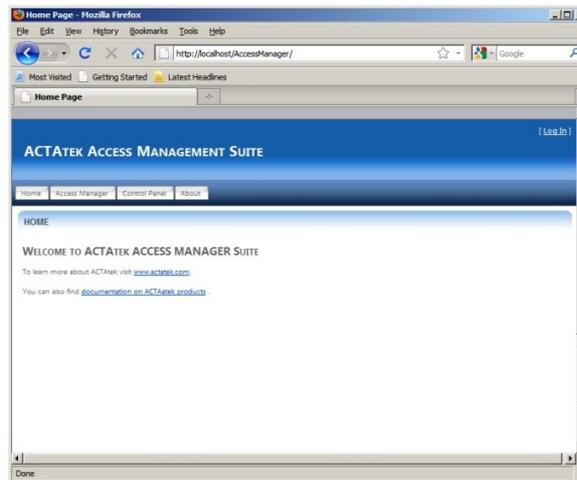


- 12) Select "IIS_IUSRS" that you have just created. Ensure that the "Full Control" → "Allow" checkbox has been checked.
- 13) Click on "OK" to exit the pop-up window (Permissions for ProgramData).

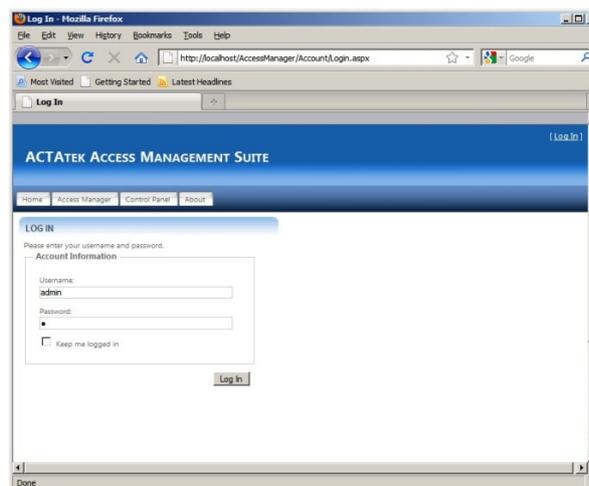


vii) Configuration of ACTAtek Access Manager Suite

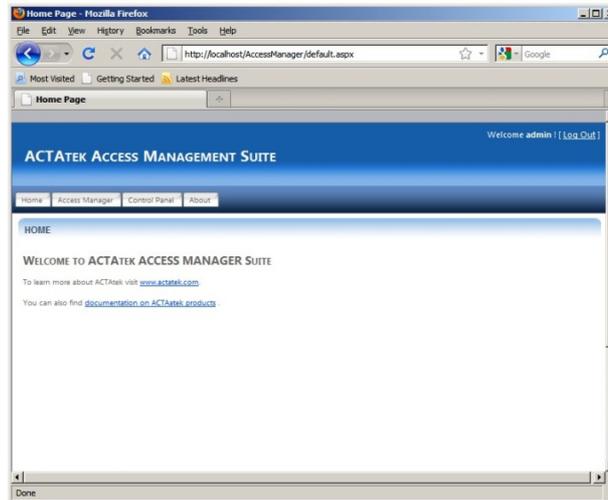
- 1) Login to the web-based console menu of Access Manager Suite by going to a web browser and enter the following URL (<http://localhost/AccessManager/>).
- 2) You will see the below screenshot. Click on “Log In”.



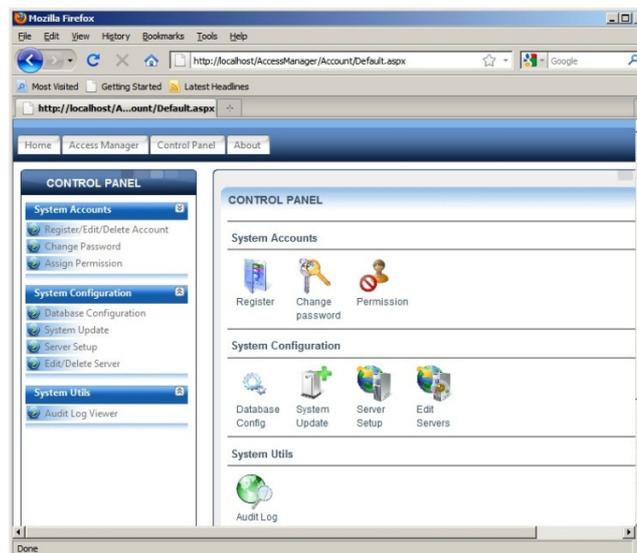
- 3) Enter “admin” for Username and “1” for Password. Click on “Log In” to proceed.



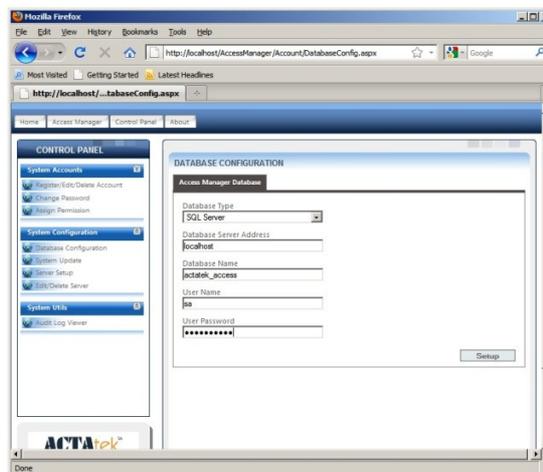
4) You will see the below screenshot once successfully login.



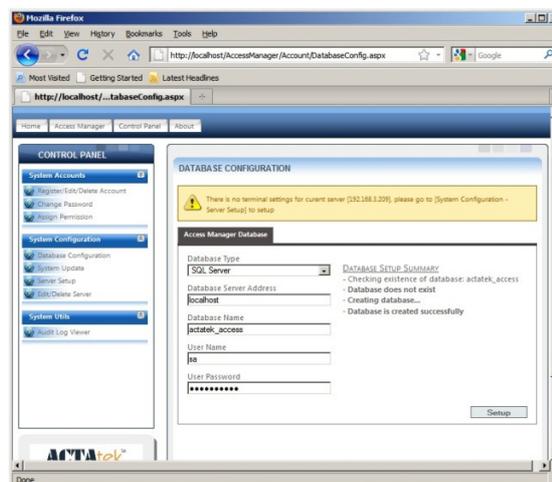
5) Click on “Control Panel” tab and select “Database Config”.



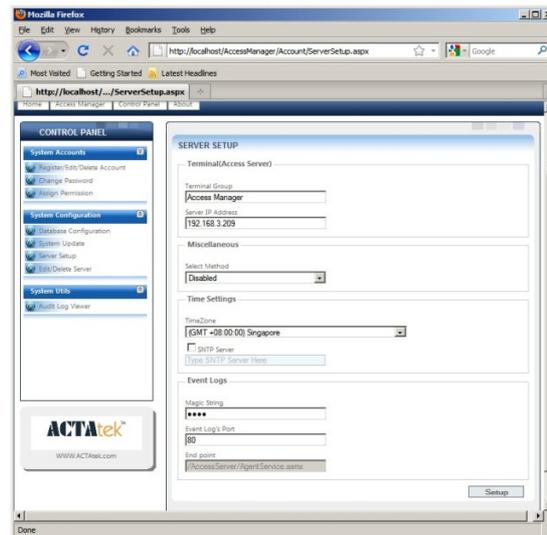
- 6) Ensure that the correct “Database Type” has been chosen.
- 7) For “Database Server Address”, you can enter your SQL Server Name.
- 8) For “Database Name”, do ensure that you have entered a Database Name that does not exist in your SQL Server.
- 9) Enter the appropriate User Name and Password, with the rights to create the database in your SQL Server.



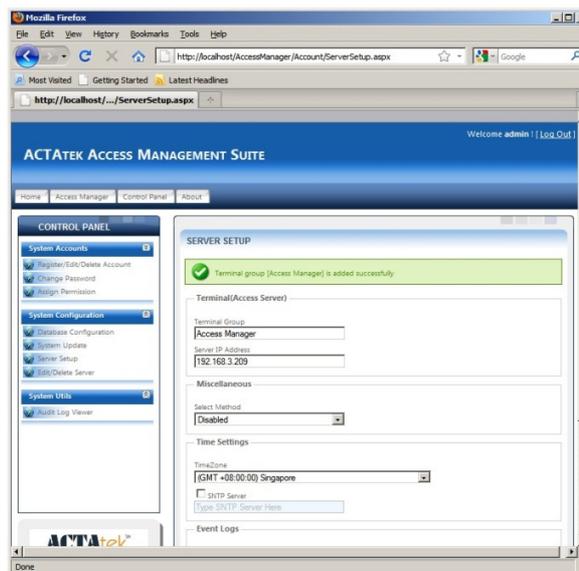
- 10) Click on “Setup” to create the database once the settings have been entered correctly. You will see the webpage similar to the below screenshot.



- 11) Next, click on “Server Setup”. Enter your desired “Terminal Group”. Ensure that the Terminal IP Address tally with your PC/Server IP Address.
- 12) Make sure that the Time Zone is in accordance with your region’s time zone.
- 13) Enter your desired “Magic String”. Click on “Setup” to confirm the settings for your PC/Server.

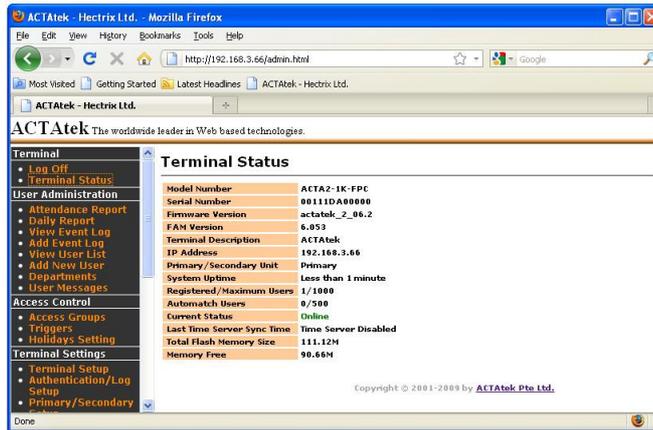


- 14) You have successfully configured your Access Manager Suite.

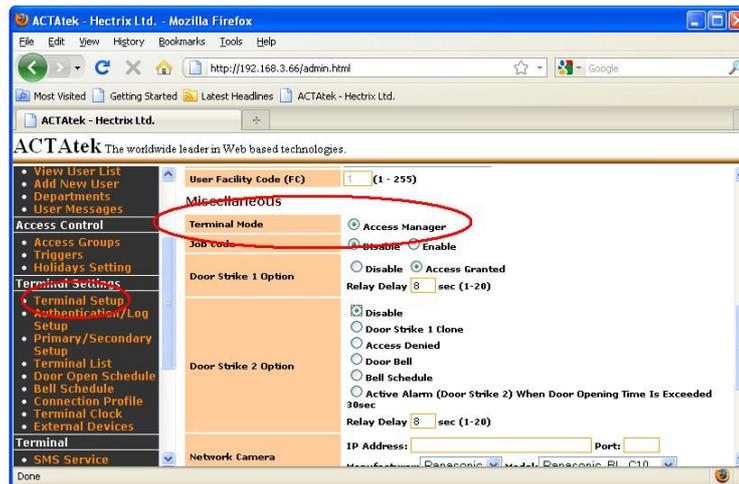


viii) Configuration of ACTAtek Unit for Access Manager Usage

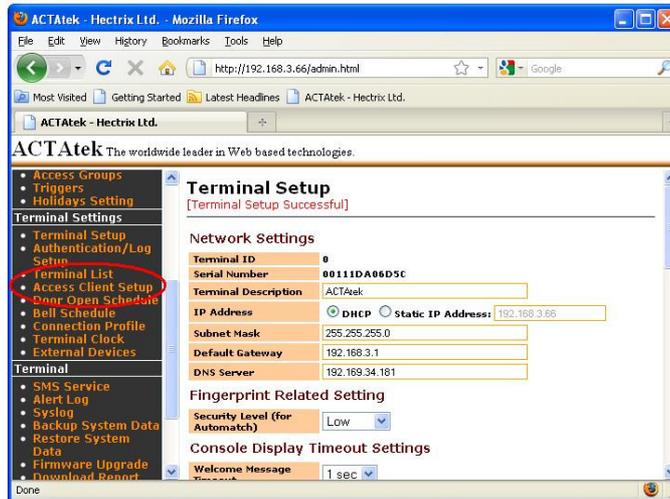
- 1) Firstly, ensure that your ACTAtek unit has been upgraded to Access Manager Firmware. You can check so by looking at the “Firmware Version” via “Terminal Status” page of the Web Interface.



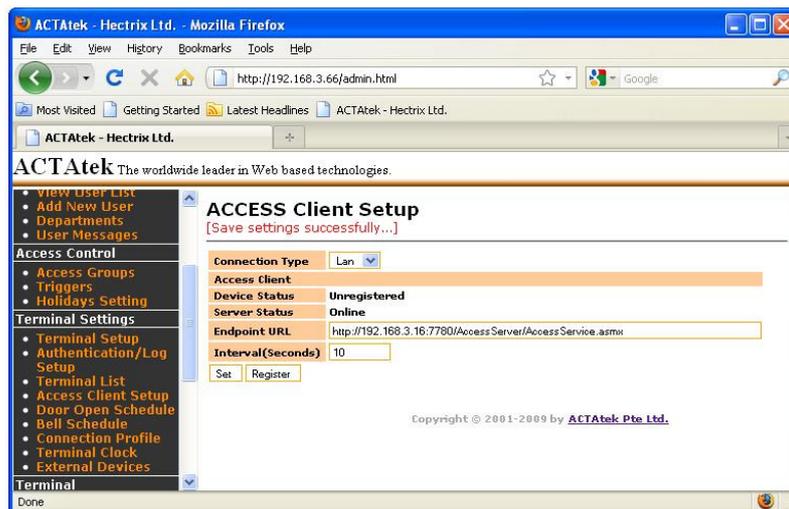
- 2) Next, go to “Terminal Setup” and make sure that the checkbox for “Terminal Mode” has been set to “Access Manager”. Once done, click on “Submit” to confirm.



- 3) After the webpage has been refreshed, you will notice on the left hand menu, there will be an “Access Client Setup” option shown.



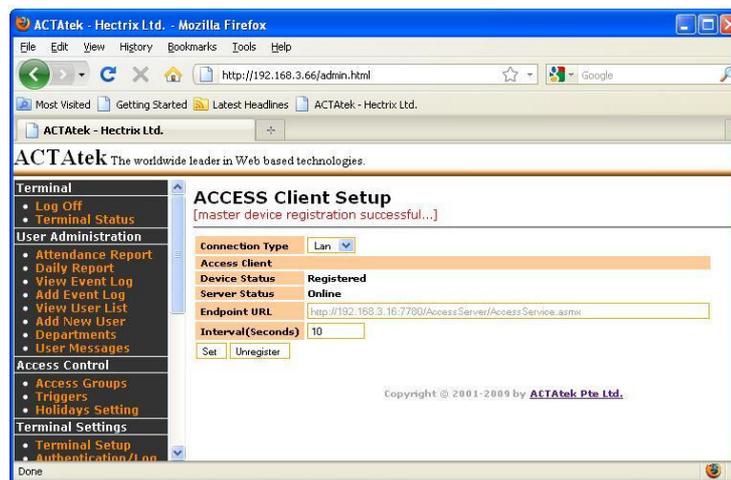
- 4) Click on “Access Client Setup”.
- 5) Enter the Endpoint URL as per following - <http://IP-Address-of-Access-Manager:7780/AccessServer/AccessService.aspx> (i.e. - <http://192.168.3.16:7780/AccessServer/AccessService.aspx>).
- 6) Once done, click on “Set”. If successfully detected Access Manager, there will be a “Register” button appearing on the same screen.



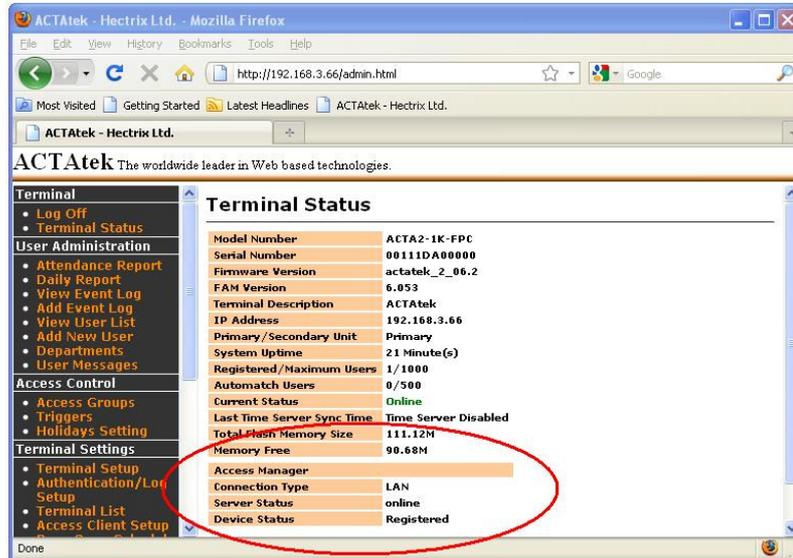
- Click on "Register" button and the ACTAtek unit will start registering itself with the Access Manager. You will see a similar screenshot below.



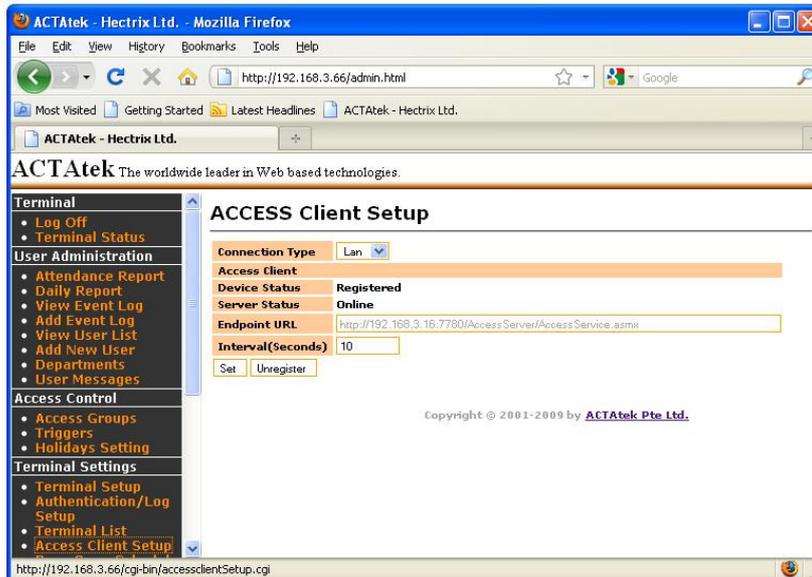
- Once registered successfully, you will get a message indicating so as per below screenshot.



- 9) You can verify if the ACTAtek has been connected to the Access Manager by going to the “Terminal Status” page and check from the “Access Manager” portion.



- 10) You can un-register the ACTAtek unit by going back to “Access Client Setup” and press the “Unregister” button.



11) Once un-registration is completed, you will see a screen similar to the below screenshot.

