AlarmWorX32 Multimedia – Using SMTP Server in IIS

APPLICATIONS NOTE

October 2013

Description: Guide to set up SMTP in IIS to work with the SMTP mail agent in AlarmWorX32 Multimedia
OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7
General Requirement: Installation of GENESIS32 9.x including AlarmWorX32 Multimedia and SMTP Server in IIS

Introduction

With the introduction of SMTP mail agent in version 9, it is now possible to install an SMTP server in IIS and send out your alarm notification via email using your local SMTP server. We intend to walk you through the necessary steps to configure your system to send and receive mail messages on your local machine using the SMTP server in IIS. Please note that it is up to you to set your SMTP server to allow emailing outside of your local machine.

Installing SMTP Server

On most versions of windows, you can install your own SMTP Server within IIS. The installation path is different for each version of windows. In general, you can find it within Add/Remove Components. For simplicity sake, we will only cover the installation of SMTP Server in Server 2003 in this application note.

1. Go to Start → Control Panel → Add/Remove Programs.
2. Once the Add or Remove Programs dialog comes up, click on the "Add/Remove Windows Components" option on the left. This will bring up the "Windows Components Wizards"

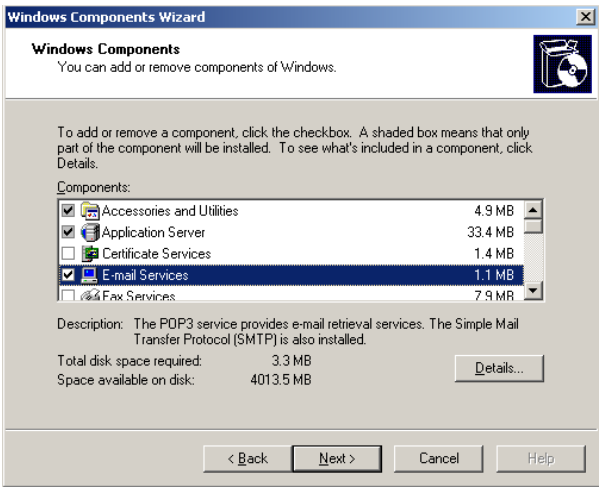

Figure 1 - Windows Components Wizard: E-mail Services

3. Check off and Select "E-mail Services" and click on "Details…"
4. Check off the "POP3 Service" and click on "OK"
5. Select "Application Server" and click on "Details…" button.

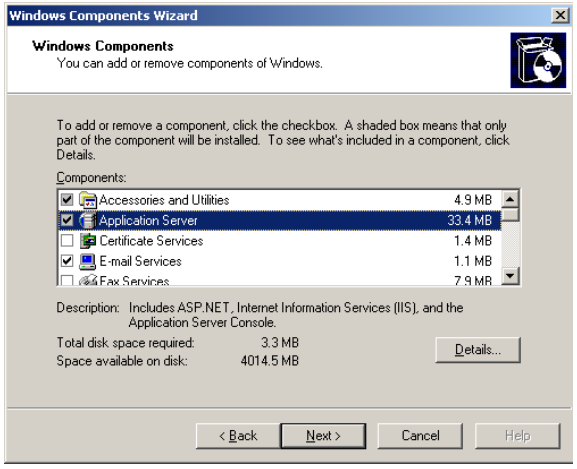

Figure 2 - Windows Components Wizard: Application Server

6. In the "Application Server" dialog that comes up, select "Internet Information Services (IIS)" and click on "Details…" again.
7. In the "Internet Information Services (IIS)" dialog, check the "SMTP Service" and click on OK until you are back in the "Windows Components Wizard".

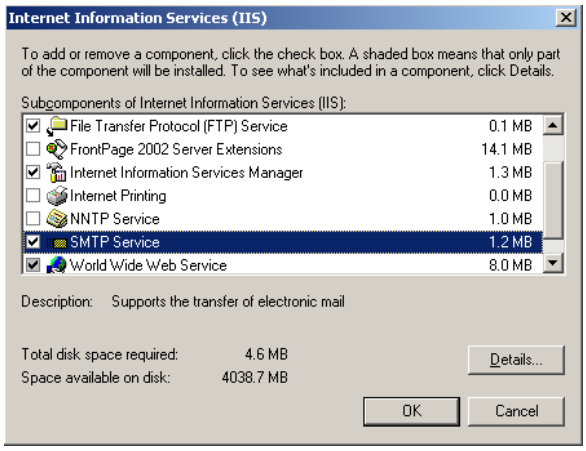

Figure 3 - Internet Information Services (IIS) Dialog

8. Click on "Next >" to continue and start installing the SMTP Server.
9. At some point during the installation, it will ask you to insert the Windows Server 2003 Installation CD to copy some files. You can give it a network path if you have the CD somewhere on the network.
10. Once the installation is finished, you can open the IIS Manager and see that it's installed

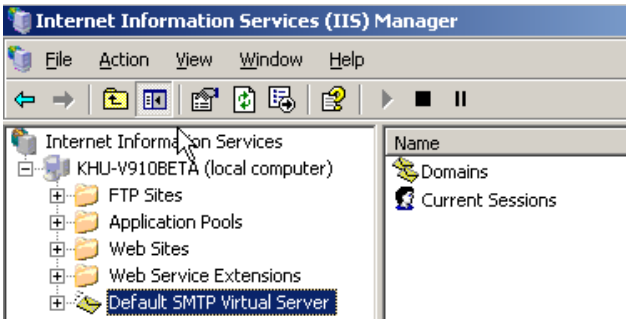

Figure 4 - SMTP Server in IIS Manager

Setting up Pop3 Service

We will need to setup a POP3 server to receive emails from the Multimedia server.

1. Go to Start → Settings → Control Panel → Administrative Tools → Services.
2. In the Services Manager, look for a service named "Microsoft POP3 Service".
3. Once you find this service, look at the Startup Type, if it is set to Manual, double click to bring up its property and set the startup type to be Automatic.
4. Start this service if it is stopped and close the Services Manager.
5. Go to Start → Settings → Control Panel → Administrative Tools → POP3 Service
6. In the "POP3 Service" window, click on "New Domain" and give it a domain name in the popup dialog and click on "OK"

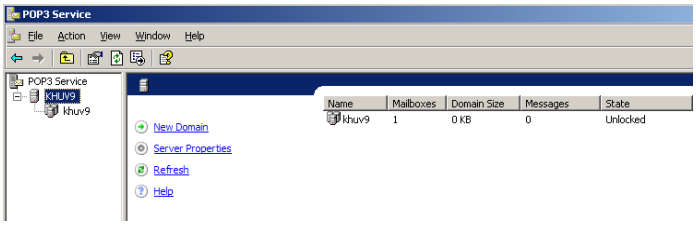

Figure 5 - New Domain in POP3 Service

7. Right-click on the new domain that you've just created and select New → Mailbox
8. Give the mailbox a name and a password and click on " OK"

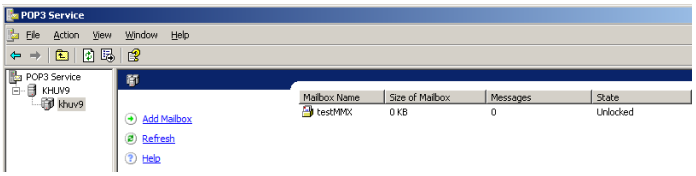

Figure 6 - New Mailbox in POP3 Service

9. Once you are done, you should get a confirmation similar to the one in Figure 7. You may want to write down the email address for later reference.

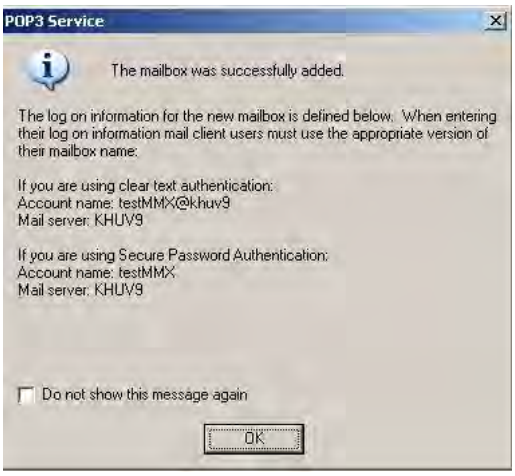

Figure 7 - Mailbox Creation Confirmation

Testing Your SMTP Server

Before we try to test this with AlarmWorX32 Multimedia, we should test and make sure the SMTP server functions as expected with a mail client. In this section, we will setup Outlook Express as our client for a simple test.

1. Go to Start → Programs → Outlook Express. If you do not have outlook express in your programs list, you can find it in \Program Files\Outlook Express\msimn.exe
2. If you have never setup Outlook Express before, the Internet Connection Wizard will come up. You can follow the on screen instructions to create an account.
3. When it asks for your email address, you can use the email address that it gave you during your POP3 Service setup.
4. You can give the incoming and outgoing mail servers your computer name and click on "Next"

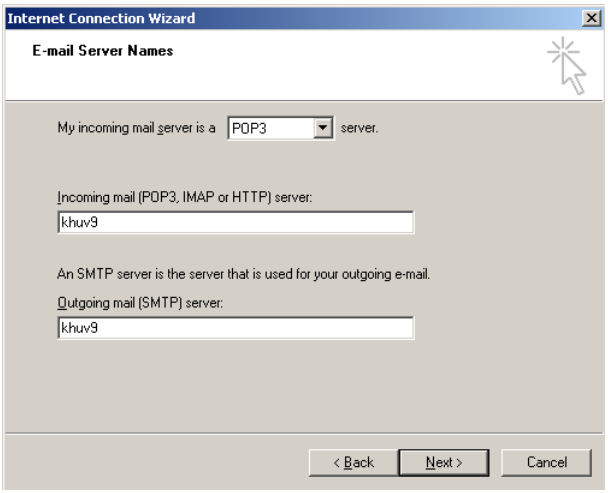

Figure 8 - Configuring Outlook Express E-Mail Server

5. In the next screen, give the account name and a password that you have created in the POP3 Service and click on "Next".

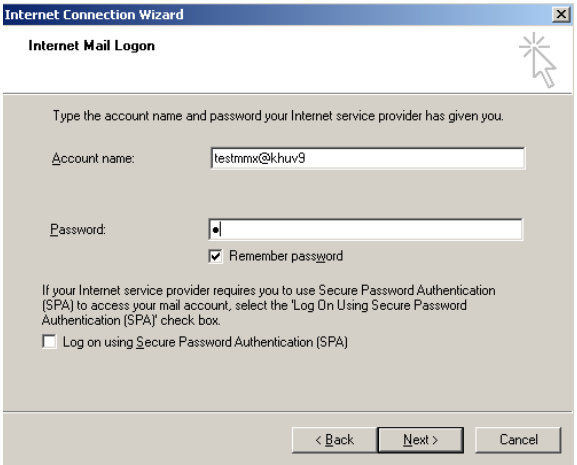

Figure 9 - Configuring Outlook Express Mail Logon

6. Click on "Finish" in the next screen. We will now send an email to ourselves in outlook to make sure that its setup correctly.
7. In Outlook Express, go to Tools → Accounts. In the Mail tab, select the account that you have just created and click on "Properties"
8. Select the Server Tab in the properties dialog. It should look similar to Figure 10

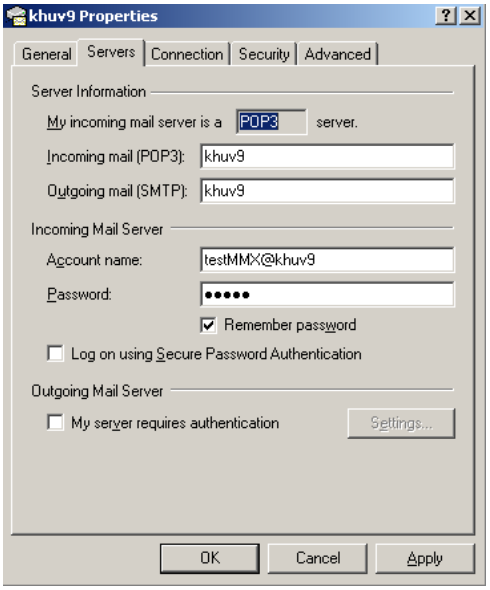

Figure 10 - Mail Account Properties: Server Tab

9. In Outlook Express, click on "Create Mail". In the new message window, type in the email address that we just created (accountName@serverName).
10. Send the email and look for it in your inbox.

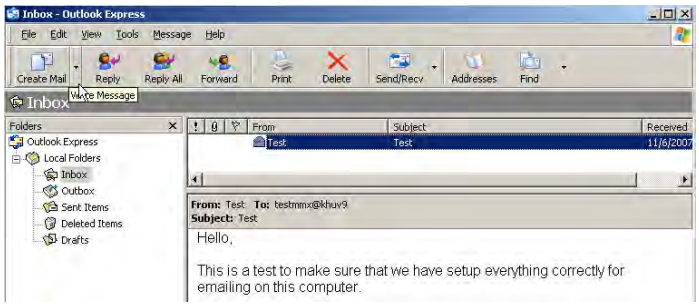

Figure 11 - Test Email Message Received

Setting up AlarmWorX32 Multimedia

With the last test, we know that emailing on the local server works. We can now setup AlarmWorX32 Multimedia to take advantage of our local SMTP server.

1. Start AlarmWorX32 Multimedia configurator from Start → Programs → ICONICS AlarmWorX32 Multimedia → AlarmWorX32 Multimedia Configurator
2. Once in the configurator, expand Alarm Configurations → Multimedia Agents → E-mail
3. On the right-hand pane, click on "General Settings…"
4. In the "EmailCfg" dialog that comes up, enter your computer name for the Mail Server in the SMTP section.

Also enter your new email address and password and click on "OK"

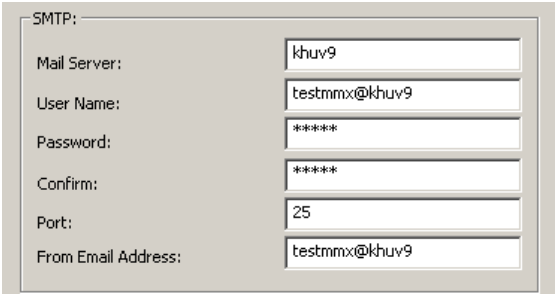

Figure 12 - SMTP Setting in AlarmWorX32 Multimedia

5. Right-click on E-mail and select New → Media Item
6. Give this agent a name, a template (you can use the default Email), and the Sent To address (this should be the email address you created). Click on the "Apply" button to save the configuration
7. Once you have configured the agent, click on the "Test" button in the agent. You should then get a confirmation message.

   NOTE: We assume that you are currently using the SMTP email agent. If that is not the case, you should switch to using the SMTP email agent to continue the test.

8. You should then see a test email in Outlook Express.

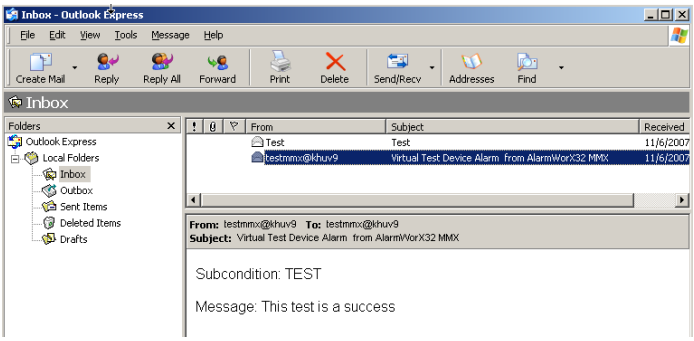

Figure 13 - New Email from AlarmWorX32 Multimedia Test

9. Congratulations, you can now use your local SMTP server to send out emails alarm notifications.