



INSTALLATION AND CONFIGURATION GUIDE

(THIS DOCUMENT RELATES TO MDAEMON v15.5.0 ONWARDS)

Overview

This document provides an installation and configuration guide for MDaemon Messaging Server along with a brief introduction to a few of its key features.

It allows a user to download and install MDaemon and be up and running with a configured server in less than 30 minutes.

About MDaemon

MDaemon is a powerful Windows based email and groupware server designed to fulfil all the email requirements of organisations ranging from just a few users right up to ones with many hundreds of users. MDaemon is a reliable and easy to configure solution that, while being very reasonably priced, still offers more features than virtually every other email server on the market.

MDaemon can be installed on-premise or on a virtual machine hosted within Cloud infrastructure such as Amazon AWS or Microsoft Azure. MDaemon is ideally suited to receiving email via direct SMTP delivery, however, it also offers support for situations where a statically assigned IP address may not be available – in which case DomainPOP and/or MultiPOP email collection may typically be used.

Add-on functionality (requires separate licences)

Additional services can be enabled within MDaemon to provide advanced spam and virus filtering, comprehensive Outlook integration and full ActiveSync support for the latest smartphones.

SecurityPlus for MDaemon

SecurityPlus for MDaemon incorporates the latest virus scanning technology from Kaspersky Labs and combines it with a sophisticated feature called Outbreak Protection which is based on real-time pattern matching technology from industry leader Cyren (www.cyren.com). Outbreak Protection successfully rejects the vast majority of spam, viruses and phishing attacks that spread rapidly across the Internet before handing the remaining messages through to the Kaspersky AV engine and then MDaemon's powerful spam filter for further filtering before they pass through to end users. The SecurityPlus plug-in is a vital addition to any MDaemon server and is HIGHLY RECOMMENDED.

Important note: The use of other third-party anti-virus applications on your MDaemon server can cause problems such as server crashes, lost or duplicated emails, locked mail queues and unreliable detection of infected messages. If you are running another anti-virus application on your MDaemon server, you must ensure that you exclude all of MDaemon's folders from real-time scanning and that the email traffic to and from MDaemon's services is not being intercepted for scanning. Alt-N's AntiVirus plug-in for MDaemon is designed specifically to operate with MDaemon at the right point in the message delivery process and so provides the only reliable AV solution for use with your MDaemon server.

Outlook Connector for MDAemon

Outlook Connector for MDAemon enables comprehensive integration for Microsoft Outlook users to share their Email, Calendar, Contact, Notes, Journal and Task folders with other users on the network. Once a user is connected to MDAemon using the Outlook Connector client, their Outlook data is centralised on the MDAemon server making backups simpler whilst also allowing the user to access their folders through MDAemon's WorldClient web interface when out of the office or away from their desk.

Fully functional 30 day evaluation versions of both plug-ins can be downloaded from our website.

ActiveSync for MDAemon

ActiveSync allows users' smartphones to stay in real-time two-way synchronisation with their email, contact and calendar folders on the MDAemon server.

Full ActiveSync support for the latest smartphones is included in MDAemon (ie. no plug-in needs to be installed) and the ActiveSync service can be activated to provide a fully functional 30 day trial when you are ready to enable this functionality for your users.

Where to download the MDAemon installer files

Download the latest installation file from our website here:-

<http://www.zensoftware.co.uk/mdaemon/downloads.aspx>

When prompted to, select to save the file and put it somewhere like your Desktop so you'll know where it is once the download has been completed.

Information you are going to need

NOTE: This document assumes that you already have a functioning TCP/IP based network of PCs and Internet access (including functioning DNS) from the PC that is going to act as the host for the MDAemon server software.

Before installing MDAemon you need to have the following information to hand – you will normally obtain this from your Internet Service Provider (ISP) or domain name hosting company.

- **Your domain name**
This is the part after the @ symbol in your email address. eg. If your email address at your company is fbloggs@company.mail then your domain name will be 'company.mail'.
- **How is email delivered to you?**
There are two usual methods here.

The first method is where your domain name hosting company sets-up your domain name's DNS so that email for your domain is delivered directly to your server using SMTP. In this case, you won't require MDAemon's DomainPOP mail collection feature. **This is the recommended way.**

The second method is where your ISP or DNS host delivers any email addressed to your domain name to a 'catch-all' POP3 account on their server (or another 3rd party server) for you to collect. In this case you will use MDAemon's DomainPOP mail collection feature. If you are going to be using this feature you will also need to know some details about where you collect your email from. These details are:-

Your POP3 server name
Your POP3 account username
Your POP3 account password

Please note that we highly recommend NOT using DomainPOP mail collection anymore – it is now an out of date method for receiving email to your own email server.

- **The IP address of the MDAemon PC on your LAN**
It is highly recommended that the PC on which you are going to install MDAemon has a static IP address on your local network. You should make a note of this IP address.

This should be all you need to know to get up and running. All the above details are absolutely standard pieces of information that you ought to have already. If you don't, then you should obtain them and keep them somewhere safe for future reference.

Installing MDaemon

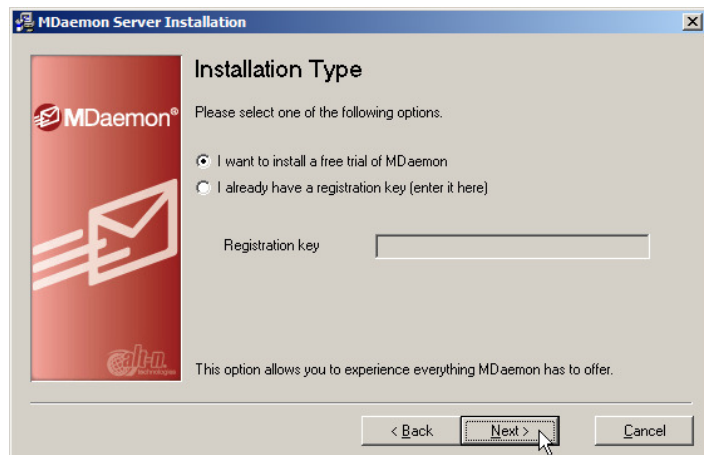
Once downloaded, run the installation file. Step through the installation until you get to the 'Installation Type' step.

Installation Type

Select the first option to install a fully functional 30 day trial of MDaemon.

If you have already purchased a licence key or already have a trial key for MDaemon, select the second option and enter your licence key.

If you have selected to install a fully functional trial of MDaemon, the next few screens will allow you to request a trial licence key to be emailed to you. Once you have received your trial licence key, enter it to continue with your installation.



The installer will now copy all the necessary files which will take a minute or so.

Note: if you have any problems obtaining a trial key, please contact us so that we can help you get up and running asap:-

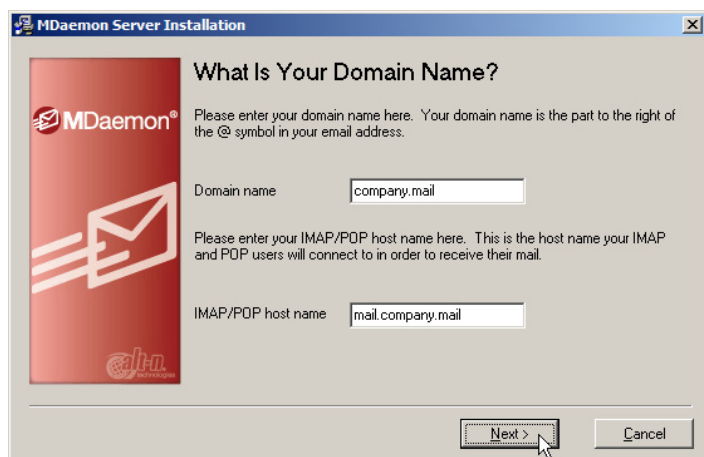
<http://www.zensoftware.co.uk/contact/>

Configure Your Domain Name

This is where you tell your MDaemon server what domain name it will be handling email for.

IMPORTANT: you need to replace the 'company.mail' with your own domain name For this guide, our domain will be 'company.mail'.

For the 'IMAP/POP host name' field, you should enter the Internet hostname that resolves to your MDaemon server's Internet IP address. If in doubt here, just put mail.[your_domain_name] eg. mail.company.mail.



Once done, click 'Next'.

Create Your First Account

Enter the name of the person who is generally going to be responsible for managing the MDAemon server as this first account will become the 'postmaster' and will have full administrative rights. Note that the password needs to be 'strong' ie. a mix of upper and lower case letters and numbers and at least 6 characters in length.



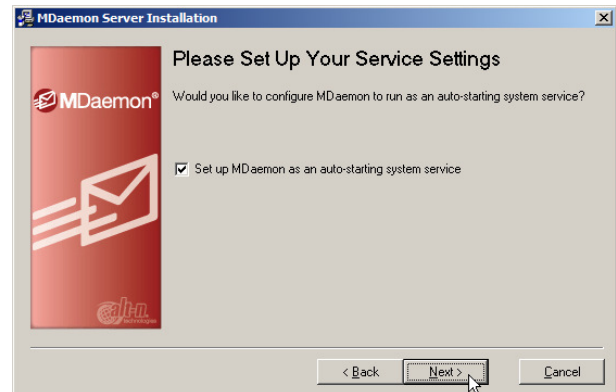
The screenshot shows the 'Please Set Up Your First Account' dialog box. It contains the following fields and options:

- First and last name (ex: Mike Mason): Fred Bloggs
- Mailbox (part to the left of @ in email address): fbloggs
- Password: [Redacted]
- Checkboxes:
 - This account is an administrator - full configuration access is granted

Buttons: < Back, Next >, Cancel

System Service Setup

Leave this option ticked. As a service, MDAemon will operate in the background of the PC even if a user isn't logged into it. This is important because your MDAemon server needs to be operating all the time so that your users can access their email when required. Click 'Next'.



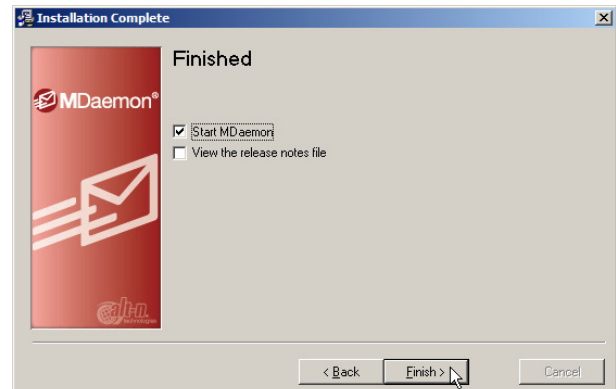
The screenshot shows the 'Please Set Up Your Service Settings' dialog box. It contains the following options:

- Would you like to configure MDAemon to run as an auto-starting system service?
 - Set up MDAemon as an auto-starting system service

Buttons: < Back, Next >, Cancel

Finished

Click the 'Finish' button to complete the installation and start MDAemon. If you need to reboot your PC, you will be prompted to do so.



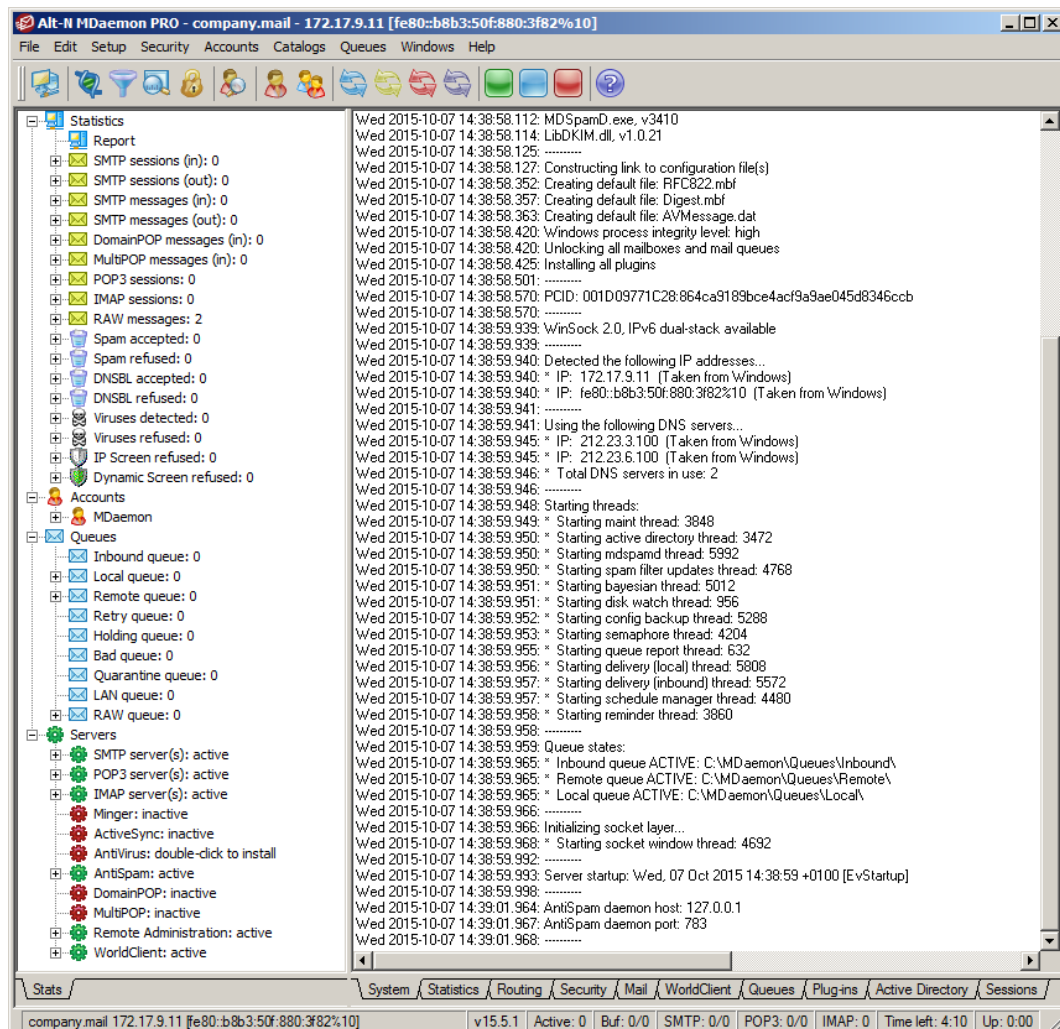
The screenshot shows the 'Installation Complete' dialog box. It contains the following options:

- Start MDAemon:
- View the release notes file:

Buttons: < Back, Finish >, Cancel

First look at the MDAemon GUI (interface)

When MDAemon starts for the first time, this is what you should be presented with.



If the MDAemon GUI is closed or minimised, you should see it's envelope in the system tray at the bottom right of the screen.

Double-clicking the system tray envelope will bring the MDAemon GUI back up into focus.

IMPORTANT NOTE: On more recent versions of Windows, although the MDAemon service will be running, you may not see the envelope icon in the systray.

In this case, you will need to access an MDAemon 'configuration session' (basically a detached GUI) by selecting 'Start MDAemon' from the MDAemon Program group (Start -> All Programs -> MDAemon -> Start MDAemon).

Final steps required

The following are typical final configuration steps that you will need to take to complete the successful setup of your new email system.

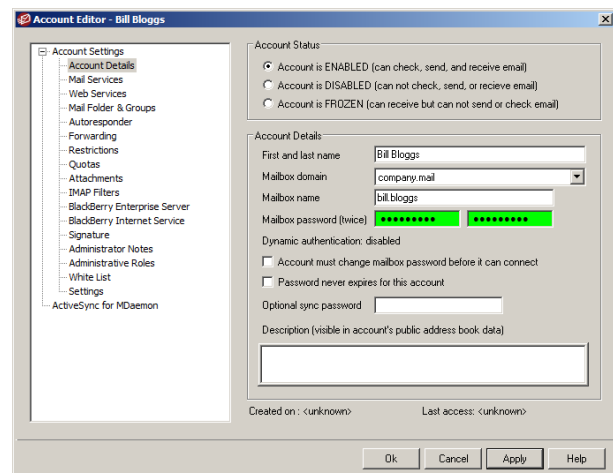
1. Create some new accounts for your users;
2. Configure MDAemon's DomainPOP mail engine (**only required** if your ISP delivers all email for your domain to a 'catch-all' POP3 account on their email server);
3. Configure your user's client PCs to send and receive email through your new MDAemon server.

Create some new accounts

For each user that is to have email, you will need to create an account on your MDAemon server. To do this select 'New Account' from the 'Accounts' menu.

Simply enter the person's full name, email address and required password. By default, passwords are required to be 'strong' i.e. a mix of upper and lower case letters and numbers and at least 6 characters in length.

Note: with any email server it is vital that your users' account passwords are unique and strong and ideally they should be updated on a regular basis. You should also discourage users from using the same password anywhere else.



You will notice as you type in your name, that MDAemon will automatically use the name to generate a mailbox name. The default template for this is:-

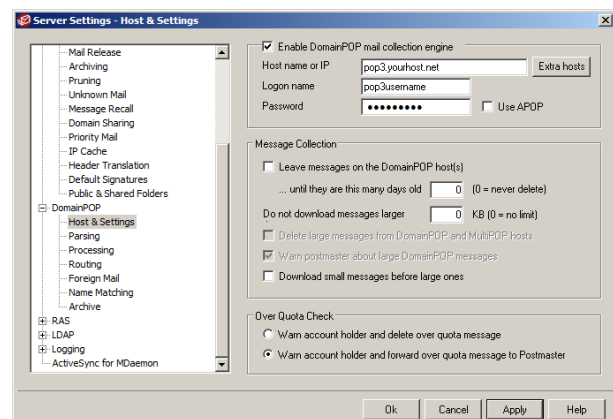
`$(USERFIRSTNAME$. $(USERLASTNAME$)`

eg. Entering a full name of 'Bill Bloggs' will result in a mailbox name of 'bill.bloggs'. You can modify the template for new account defaults at any time by selecting 'Account Settings' from the 'Accounts' menu and then selecting 'New Account Defaults' on the left. Alternatively you can just enter your own mailbox name for each account as you create them.

Configure DomainPOP mail collection

IMPORTANT NOTE: you only need to configure this if all email for your domain is delivered into a single 'catch-all' POP3 account by your ISP.

If your ISP delivers email directly to your server's IP address using SMTP – i.e. the recommend way - then you do not need to enable MDAemon's DomainPOP collection engine although you will need to ensure that your server is accessible from the Internet on TCP port 25.



Select 'Server Settings' from MDAemon's 'Setup' menu.

Select 'DomainPOP -> Host & Settings' on the left.

Tick the option to 'Enable...' the DomainPOP engine and enter the appropriate host name, logon name and password details for the 'catch-all' POP3 account at your ISP. Once done, click 'OK'.

That's it!

You should now have a fully configured and operational MDAemon mail server. The next step is to configure and test an email client on one of your client PCs.

Configuring your client PCs

MDaemon allows you to use any standard POP3/SMTP/IMAP email client on your client PCs such as Microsoft Outlook, Mac Mail, Thunderbird etc.

When configuring your email client, remember that you should use your full email address and password as configured in MDAemon as your account login details. When asked for your incoming and outgoing mail server addresses, you should generally use the internal IP address of your MDAemon server on your local network.

You should also tick the option in your email client's SMTP settings to use SMTP Authentication.

Using IMAP rather than POP3 is generally preferable and recommended in most organisations.

What to check if you have problems

Here are a few things that should be checked if you experience any problems:-

- If you are using DomainPOP mail collection, check that you have entered the correct POP3 details for your account at your ISP. You can access these settings by selecting 'DomainPOP mail collection' from the 'Setup' menu.
- If your email is delivered directly to your server using SMTP delivery, check that your server is accessible from the Internet on TCP port 25. To do this, your broadband router will usually need a port translation setting up to allow traffic from the Internet arriving on TCP port 25 to be redirected internally to the MDAemon server on TCP port 25. A couple of useful websites that will help you to configure and check things are:-

<http://portforward.com/>

<http://www.canyouseeme.org/>

- If your client PCs are having problems accessing their email accounts on your MDAemon server, check that the IP address you've given for their POP3 and SMTP server settings are correct. Also, check that their account details are correct - don't forget that passwords are case sensitive. Finally, check that you are not running any software on the MDAemon machine that could be blocking connections from other PCs on your network eg. Windows Firewall.

Still having problems?

If you are still having problems with your installation, please contact us so that we can help you:-

<http://www.zensoftware.co.uk/contact/>

Please ensure that you have access to your MDAemon server when you ring us so that we can help you go through the basic settings. In most cases we will have you up and running in no time at all.

WorldClient®

WorldClient is a fully featured webmail interface that is included with MDAemon. It allows users to access their MDAemon accounts from any modern web browser.

Accessing WorldClient

WorldClient is accessed by entering the following URL into a web browser on a PC on your local network:-

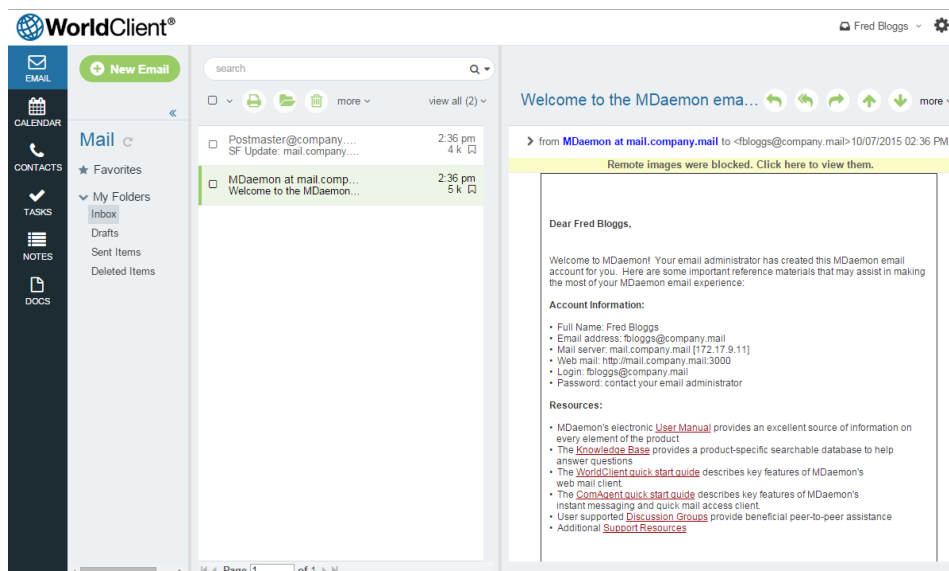
<http://192.168.0.1:3000>

(remember to replace the 192.168.0.1 with the actual IP address of your MDAemon server on your network)

You should be presented with WorldClient's login screen where you should log in using your email address and account password.



Once logged in, you will see a screen similar to the one shown here.



Have a good browse around WorldClient's features and you'll soon see that it makes for a very powerful browser based alternative to traditional desktop email clients such as Microsoft Outlook.

Administering your MDAemon server remotely via a web browser

MDaemon incorporates a sophisticated web based administration interface which provides a powerful solution to managing an MDAemon server remotely. Almost all of MDAemon's settings and logs are made accessible through a secure and easy to use web interface.

As well as being a great tool for the MDAemon administrator, a sub-set of options are also accessible to domain administrators, list administrators and even normal users.

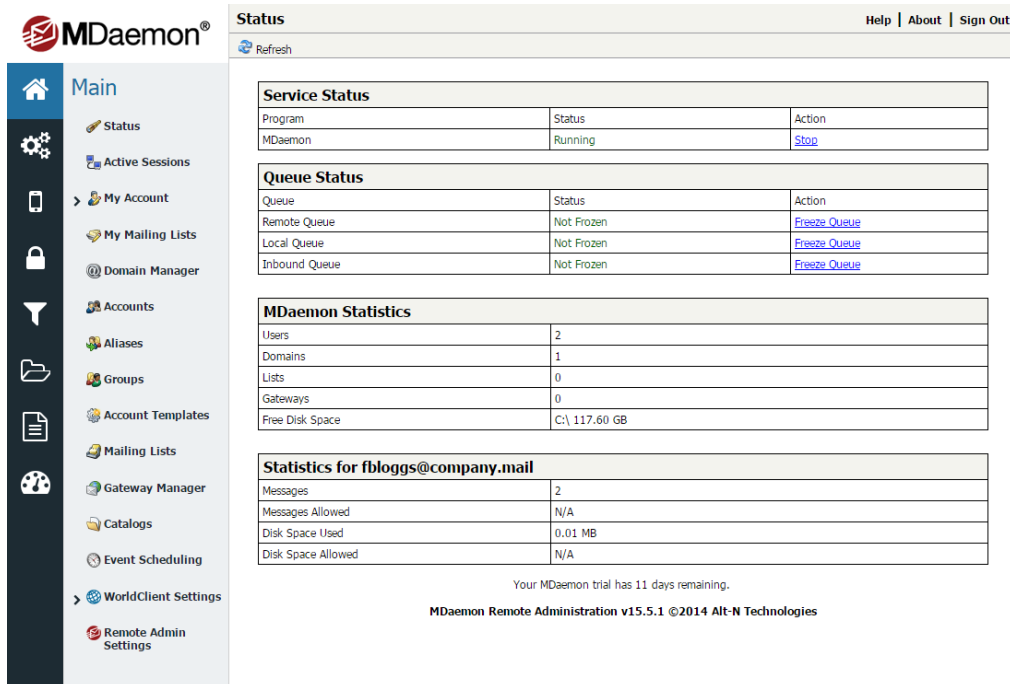
Accessing MDAemon's Remote Administration interface

This is accessed by entering the following URL into a web browser on a PC on your local network:-

<http://192.168.0.1:1000>

(remember to replace the 192.168.0.1 with the actual IP address of your MDAemon server on your network)

Once logged in, you will see a screen similar to the one shown here:-



The screenshot displays the MDAemon Remote Administration interface. On the left is a navigation sidebar with icons for Home, Status, Active Sessions, My Account, My Mailing Lists, Domain Manager, Accounts, Aliases, Groups, Account Templates, Mailing Lists, Gateway Manager, Catalogs, Event Scheduling, WorldClient Settings, and Remote Admin Settings. The main content area is titled 'Status' and includes a 'Refresh' button and links for 'Help', 'About', and 'Sign Out'. It contains three tables: 'Service Status', 'Queue Status', and 'MDaemon Statistics'. Below these is a section for 'Statistics for fblogs@company.mail' and a trial notice.

Service Status		
Program	Status	Action
MDaemon	Running	Stop

Queue Status		
Queue	Status	Action
Remote Queue	Not Frozen	Freeze Queue
Local Queue	Not Frozen	Freeze Queue
Inbound Queue	Not Frozen	Freeze Queue

MDaemon Statistics	
Users	2
Domains	1
Lists	0
Gateways	0
Free Disk Space	C:\, 117.60 GB

Statistics for fblogs@company.mail	
Messages	2
Messages Allowed	N/A
Disk Space Used	0.01 MB
Disk Space Allowed	N/A

Your MDAemon trial has 11 days remaining.
MDaemon Remote Administration v15.5.1 ©2014 ALT-N Technologies

The above screenshot shows the options available to a user with the 'global administrator' role enabled.

A user's 'Administrative Role' can be configured via the account's properties accessed through the Account Manager.

Users with no administrative role get access to a more restricted set of options relating to their own account and these options can also be enabled/disabled as required via 'Web Services' in the account's properties.

Accessing your MDAemon services from outside your network

It's often very useful to be able to provide your users with access to your MDAemon services from outside the network.

This shouldn't be a problem, providing your server is hosted on the end of a connection that has a statically assigned IP address and you can add the appropriate 'port translations' to your gateway router and firewall.

Typically, you will want to provide access to your server from the Internet on the following ports:-

Service	TCP port
SMTP	25
Alternative SMTP	587
IMAP & Outlook Connector	143 (993 if using SSL)
WorldClient & ActiveSync	3000 (or 443 if using SSL)
Remote Administration	1000 (or 444 if using SSL)

Note: using SSL is always recommended where possible.

Normally your gateway router will block any inbound connections from the Internet. A port translation (sometimes also referred to as a 'NAT translation') is a simple rule that tells your router to allow a connection to be directed to your MDAemon server so that its service is accessible.

If you are unsure how to configure a port translation, you should consult your router supplier and/or ISP but the following pair of websites may also help you with configuring this:-

<http://portforward.com/>
<http://www.canyouseeme.org/>

Enabling SSL for your services

Enabling SSL encryption for key services such as SMTP, IMAP, POP3, WorldClient and Remote Administration is highly recommended as it ensures that the traffic between your server and other servers or your users' email clients cannot be snooped on (at least not without massive amounts of computing power to decrypt the traffic).

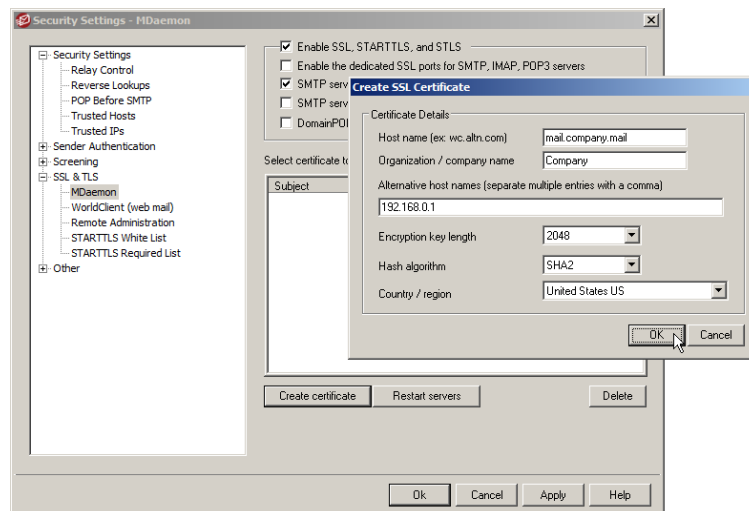
To do this you'll need to either purchase a 'root trusted' SSL certificate to install and use on the server or alternatively you can just use MDAemon to create your own 'self-signed' SSL certificate to use. Providing that you are willing to 'trust' your own certificate, that will give you the same level of encryption without the requirement to pay a yearly fee to an SSL certificate authority.

If you purchase an SSL certificate, the company you purchase it from should provide you with instructions on how you install that certificate into Windows.

Creating a self-signed certificate in MDAemon

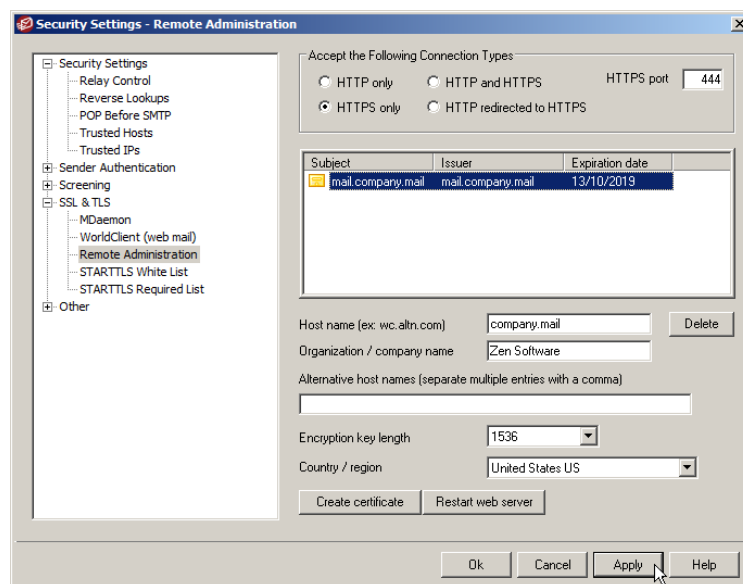
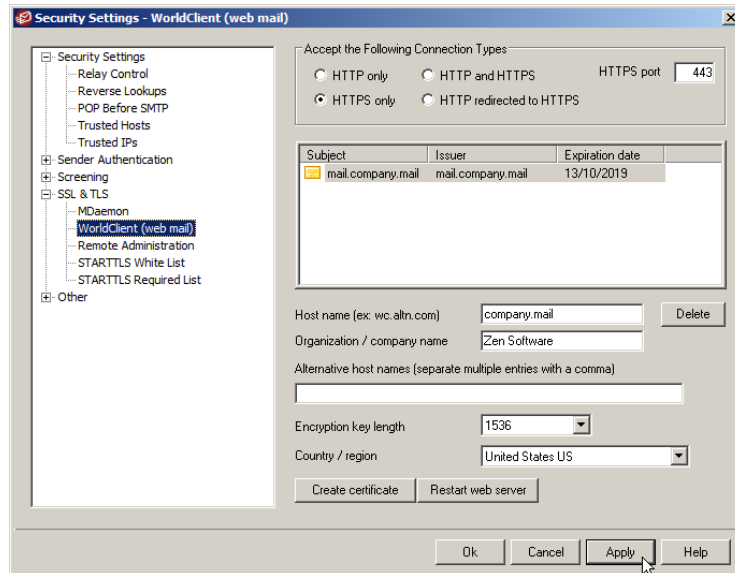
Within MDAemon, go to Security -> Security Settings -> SSL & TLS -> MDAemon and click the 'Create certificate' button.

Enter the name of the primary host name that users will use when connecting to the server and add any alternative host names that may also be used (eg. the internal LAN IP address) below and then click 'OK'.



Once the certificate has been generated and is listed, make sure it's selected before clicking 'Apply' and then 'Restart servers'.

Next, configure the WorldClient and Remote Administration services to only accept HTTPS connections in the same way as shown below:-



Don't forget to click the 'Restart web server' button after clicking 'Apply' on each screen.

Bear in mind that once configured this way, connecting to WorldClient or the Remote Administration service will need an 'https://' connection. eg. '<https://mail.company.mail>' for WorldClient and '<https://mail.company.mail:444>' for the Remote Administration service.

Installing the SecurityPlus and Outlook Connector plug-ins

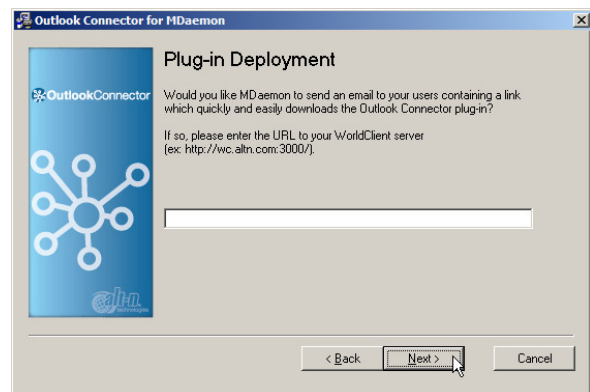
Once you've downloaded the latest SecurityPlus and Outlook Connector plug-in installers from our website, you can install both of these very quickly and easily. The installation procedure and trial key request process for both plug-ins is very similar to MDAemon's. Both will operate as fully functional 30 day trials following installation.

Note: when installing Outlook Connector, make sure you install the server side installer and not the Outlook client installer.

During the Outlook Connector installation, when you get to the screen shown on the right, our recommendation is to just leave it blank and click 'Next'.

Bear in mind that installing each plug-in will require a restart of MDAemon.

Please see our separate guide showing how to configure an Outlook client to connect to MDAemon using Outlook Connector.



Enabling MDAemon's ActiveSync service for smartphones/tablets

To enable a fully functional trial of MDAemon's ActiveSync service, select 'Mobile Device Management' from the 'Setup' menu and click the 'Request Trial Key' button as shown here:-

Once done, click 'Apply' and 'Ok'.

Your smartphone/tablet users should now be able to connect to MDAemon's ActiveSync service to synchronise their email, calendar and contact folders (some phones refer to this as an 'Exchange' connection type).

TIP. Some devices (incl. all iOS devices) support autodiscovery which makes setting up a device easier because users don't need to know the specific address of the MDAemon server. To support autodiscovery, all you have to do is to request your DNS hosting company to add an 'autodiscover' CNAME to your domain's DNS record that points to your email server's host name on the Internet.

For instructions on how to configure your smartphone to connect to MDAemon's ActiveSync service, please go here:-

<http://www.zensoftware.co.uk/mdaemon/features-mobile.aspx>

