LDaemon

This document is provided as a step by step procedure for setting up LDaemon and common LDaemon clients.

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What you should know before installing LDaemon:

ACTIVE DIRECTORY

If you will be installing onto a Windows 2000 Server, check to see if you are running an Active Directory. You can easily find out by running "netstat –a >netstat.txt" at a command prompt, view the netstat.txt file and look for LDAP and LDAPS running. If Active Directory is running it will be necessary to configure LDaemon to use an open port other than port 389.

POSTMASTER ACCOUNT

When you install LDaemon it is a must that you use the correct Bind DN (LDAP Admin account). This has to be your MDaemon postmaster account. If you don't use the correct account LDaemon will not function correctly with MDaemon, account migrations will fail, etc.

Walk-through for LDaemon installation:



Welcome screen, no configuration necessary, click Next.

Choose Destination Lo	cation	×
	Setup will install LD aemon in the following folder. To install into a different folder, click Browse, and select another folder. You can choose not to install LD aemon by clicking Cancel to exit Setup.	
	Destination Folder C:\MDaemon\LDaemon Browse	
	< <u>B</u> ack <u>N</u> ext> Cancel	_

Select the path you wish to install LDaemon to.

Components		×
	In the options list below, select the checkboxes for the option that you would like to have installed. The disk space fields reflect the requirements of the options you have selected. I LD aemon LDAP server and LDAP tools 332 Source code and development tools 455	
	Disk Space Required: 3326 k Disk Space Remaining: 14533350 k < <u>B</u> ack Next≻ Cancel	

Select the components you wish to install.

😿 Select Program Manag	er Group	×
	Enter the name of the Program Manager group to add LDaemon icons to:	
	LDaemon Accessories Administrative Tools ALTN Applications Internet Multimedia PDA Startup WebAdmin	
	< <u>B</u> ack <u>Next></u> Cancel	_

Select the Program Manager folder you wish to contain the shortcuts to LDaemon.

🜠 Start Installation		×
	You are now ready to install LD aemon. Press the Next button to begin the installation or the Back button to reenter the installation information.	
	< <u>B</u> ack <u>Next</u> > Cancel	

Click Next here, no configuration needed.

ZLDAP configuration		×
	LD aemon needs some informatio following information is used to se directory. Company or organization name Select your country Administrator's name Administrator's email address Administration password	n in order to operate properly. The etup the root DN for your LDAP
	< <u>B</u> ack	Next > Cancel

This is the MOST important step of the installation process.

Company or Organization name: (may not contain commas)

Select your country: select from the drop-down list

Administrator's name: This has to be the Full Name of the postmaster account (it is recommended that you check this in MDaemon's account manager before continuing)

Administrator's email address: Include the domain name (example postmaster@altn.com)

Administration password: Has to match the password for the postmaster account within MDaemon.

Click Next.

This will conclude the LDaemon installation.

FROM THE MDAEMON MANUAL:

LDaemon LDAP Server Support

Support for Alt-N Technologies' LDaemon LDAP Server has been integrated into MDaemon. LDaemon provides corporate-wide global address book capability compatible with virtually all email clients including Microsoft Outlook, Outlook Express, and Eudora. It is an LDAPv3 Windows NT/2000 port of open-source SLAPD, developed by the University of Michigan and enhanced by Alt-N Technologies for use with MDaemon. It is distributed as a separate module and installed in plug-in fashion.

You can acquire LDaemon from http://www.altn.com/LDaemon/.

Several controls have been placed within the MDaemon that allow you to start, stop, and monitor the status of LDaemon, including a configurable command line for starting it. This optional configuration setting allows you to start the LDaemon service using any or all of the LDAP server's command line switches.

For example: "-h Idap://:1001" starts LDaemon using port 1001 rather than the default port of 389.

LDAP Options

L	DAP Opti	ons	2 2	×
	LDAP Op	tions LD aemon L	DAP Server Address Books	
	LDAP o	ptions		
	A	Note: LDAP funct	ionality under Windows 95 requires IE 3 or greater.	
	그님	Use standard I	flat file USERLIST.DAT as account database.	
		O Use LDAP ser	ver as complete backend user database (PRO version only)	
		Mirror account	email addresses and full names to LDAP address book	
		erver properties	an LDAF server up to date with address information.	
		Host name or IP	mail.altn.com Port 389	
		Base entry DN	o=altn.com, c=US	
		RDN filter	mail=\$EMAIL\$	
		Bind DN	cn=Administrator, o=altn.com, c=US	
		Bind password	*****	
		Object class	MDaemonUser Configure	
		See the MDaemo	n Users Manual for an explanation of these LDAP fields.	
			OK Cancel	

LDAP Options

Use standard flat file USERLIST.DAT as account database

Choose this option if you want MDaemon to use its internal USERLIST.DAT file as the account database. This is MDaemon's default setting and causes all of the MDaemon user account information to be stored locally.

Use LDAP server as complete backend user database (PRO version only)

Select this option if you want MDaemon to use your LDAP server as the MDaemon user database rather than its local USERLIST.DAT system. You might want to use this

112 LDAP/ADDRESS BOOK OPTIONS 113

method of maintaining your user information if you have multiple MDaemon servers at different locations but want them to share a single user database. Each MDaemon server would be configured to connect to the same LDAP server in order to share user information rather than storing it locally.

Mirror account email addresses and full names to LDAP address book

If you are using the default USERLIST.DAT method of maintaining your account database rather than the LDAP server method, you can still keep an LDAP server up to date on all of your users' names and email addresses by enabling this checkbox. Thus, you can use the LDAP server as a global address book system for your users without having to use it as a complete backend user database.

LDAP Server Properties

<u>Host name or IP</u>

Enter the host name or IP address of your LDAP server here.

<u>Port</u>

Specify the port that your LDAP server is monitoring. MDaemon will use this port when posting account information to it.

Base entry DN

Enter the distinguished name of the base entry (root DN) that will be used in all of your MDaemon user entries.

<u>RDN filter</u>

The relative distinguished name (RDN) is the leftmost component in each entry's distinguished name (DN). For all peer entries (those sharing a common immediate parent) the RDN must be unique, therefore we suggest using the email address of each user as their RDN to avoid possible conflicts. Using the \$EMAIL\$ macro as the value of the attribute that you specify in this control will cause it to be replaced by the user's email address when their LDAP entry is created. The user's DN will be comprised of the RDN plus the *Base entry DN* above.

CHAPTER 7 114 **Bind DN** Enter the DN of the entry to which you have

granted administrative access to your LDAP server so that MDaemon can add and modify your MDaemon user entries. This is the DN used for authentication in the bind operation.

Bind Password

This password will be passed to your LDAP server along with the *Bind DN* value for authentication.

Object class

Specify the object class to which each MDaemon user's entry must belong. Each entry will contain the objectclass= attribute with this as its value.

Configure

Click this button to open the LDAP.dat configuration file in a text editor. It is used for designating the LDAP attribute names that will correspond to each MDaemon account field.

LDAP/ADDRESS BOOK OPTIONS

LDaemon LDAP Server

This tab is used to control Alt-N Technologies' LDaemon LDAP server. Note: these controls will not be available until LDaemon has been installed. LDaemon can be downloaded free of charge from ftp://ftp.altn.com/LDaemon/.



LDaemon LDAP Server Properties

Start & Stop LDaemon when MDaemon starts & stops

Click this checkbox if you want to launch the LDaemon LDAP server when MDaemon starts, and stop it when MDaemon stops.

LDaemon command line (optional) If you wish to utilize some command line switches for LDaemon you can do so by typing the command line into this control.

Edit LDaemon configuration file

Click this button to open the LDaemon configuration file for editing in the default text editor.

Stop & Restart LDaemon

After make any changes to LDaemon, click this button to stop and restart the LDAP server so that your changes will be implemented.



LDAP/ADDRESS BOOK OPTIONS

Address Books

MDaemon version 5 has the ability to automatically keep a Windows Address Book file (*.wab) or Microsoft Outlook Contact Store current with each account's full name and email address. This is desirable for those who wish to share an address book among users of products like Outlook, but do not wish to use an LDAP server for that purpose.

Mirror email addresses and full names to Windows Address Book

Enable this checkbox if you want your users' names and email addresses to be mirrored to a *.wab file or the Microsoft Outlook Contact Store. In the Windows Address Book, on the Tools|Options menu, you can configure whether or not your Windows Address Book will share contact information between Outlook and other applications by storing data in the Microsoft Outlook Contact Store or maintain it in an address book (*.wab) file.

Use this specific WAB file

Specify the path to the *.wab file in which you wish to mirror your user information. If you leave this control empty then MDaemon will use the shared contacts store within the default Windows Address Book.

Configure Outlook XP for use with LDaemon server.

From Outlooks menu select "Tools", then "Email Accounts".

E-mail Accounts	? ×
E-mail Accounts You can change the e-mail accounts and directories that Outlook uses.	
E-mail C Add a new e-mail account C View or change existing e-mail accounts	
Directory C Add a new directory or address book View or change existing directories or address books	
< Back. Next >	Close

Select "Add a new directory or address book" located underneath "Directory" and click Next.



Make sure "Internet Directory Service (LDAP)" is selected and click Next.

E-mail Accounts		<u>? ×</u>
Directory Servi You can enter	ice (LDAP) Settings the required settings to access information in a directory service.	
Server Informa	ation	
Type the name of provider or system	the directory server your Internet service madministrator has given you.	
Server Name:	mail.altn.com	
	tion	
This server re	quires me to log on	
User Name;		
Password;		
		More Settings
	< Back Nex	t> Cancel

Type in your servers IP or hostname.domainname.toplevel and click "More Settings..."

This window may pop-up: Add E-mail Account Image: Comparison of the compar

Ignore this, you can click OK.

Microsoft LDAP Directory		×
Connection Search		
Display Name The display name as it ap mail.altn.com (1)	pears in the Address Book	
Connection Details		
Port:	389	
Use Secure Sockets Layer		
OK	Cancel Apply	

Display name field doesn't effect anything, its for your eyes only. The Port field should match the port that you specified in LDaemon's configuration.

Microsoft LDAP Directory	×
Connection Search	
Server Settings 60 Search timeout in seconds: 60 Specify the maximum number of entries you wish to return after a successful search: 100	
Search Options Search base:	
cn=users,dc=exchange,dc=microsoft,dc=com	

You may specify timeouts, but the defaults are fine. You can tweak on these for slow network connections.

Search Options

The search base is the most important part of the client configuration. This should EQUAL what you specified as the "Base DN" in LDaemon's configuration.

Outlook 2000

To add a directory service to Outlook 2000 start by selecting the Tools menu, then Accounts.

This window should appear.

Internet a	Accounts			? ×
AI	Mail Directi	ory Service		Add
Accoun	t altn.com	nype mail (default)	Lonnection	<u>Properties</u>
				Set as <u>D</u> efault
				Import
				<u>Export</u>
<u> </u>				<u>S</u> et Order
				Close

Select Add then Directory Service.

Internet Connection Wizard	×
Internet Directory Server Name	×
Type the name of the Internet directory (LDAP) server your Internet service provider or system administrator has given you.	-
If your Internet service provider or system administrator has informed you that they require you to log on to your LDAP server and has provided you with an LDAP accour name and password, select the check box below.	nt
My LDAP server requires me to log on	
< <u>B</u> ack <u>N</u> ext > Ca	ncel

In the Internet directory (LDAP) server field enter the host name and FQDN of the LDAP server you will be connecting to. Click Next.

Internet Connection Wizard	×
Check E-mail Addresses	× X
Your e-mail program checks the e-mail addresses of your message recipients using one or more directory service address lists.	
Using a directory service to check the e-mail addresses of your message recipients may slow down the performance of your e-mail program.	
Do you want to check addresses using this directory service?	
• Yes	
○ No	
< <u>B</u> ack <u>N</u> ext > Cano	el

This option when enabled will check your addresses, automatically, after entering them into the To:, CC:, and BCC: fields of new emails. Make your selection and click next.

Internet Connection Wizard	×
Congratulations	×
You have successfully entered all of the information required to set up your account.	
To save these settings, click Finish.	
< <u>B</u> ack Finish C	ancel

Click Finish. But you are not done configuring the LDAP client. You still need to tell the client how it will be searching the directory.

Internet Accounts			? ×
All Mail Direct	ory Service		Add
Account	Туре	Connection	<u>R</u> emove
유급 jared.altn.com 모급 Idap.altn.com 모 <mark>급 mail.altn.com (1)</mark>	directory service directory service directory service	Local Area Network Local Area Network Local Area Network	Properties
			Import
			Export
			<u>S</u> et Order
			Close

Select your directory service and click properties.

🚇 mail.altn.com (1) Properties 🛛 🔹 🛛			
General Advanced			
Directory Service Account Type the name by which you would like to refer to this server. For example, "Work Directory" or "Microsoft Directory Server".			
mail.altn.com (1)			
Server Information			
Server <u>n</u> ame: mail.altn.com			
This server requires me to log on			
Ageount name:			
Password:			
Log on using Secure Password Authentication			
Check names against this server when sending mail			
OK Cancel Apply			

Verify the settings here and select the Advanced tab.

🖳 mail.altn.com (1) Properties 🛛 🛛 🔀
General Advanced
Server Port Number Directory service (LDAP): 389 Use Default
This server requires a secure connection (SSL)
Search Search timeout: Short J Long 1 minute
Maximum number of matches to return:
Search <u>b</u> ase: o=Altn.com, c=us
Use simple search filter
OK Cancel <u>Apply</u>

Server Port Number

By default you will be using port 389, in some cases you may be running an Active Directory on your server and would have configured LDaemon to use a port other than 389, if this is the case edit the LDAP port to correspond to the port you configured LDAP to use.

Search

The search base is the same thing as the Base DN in your LDaemon/LDAP configuration. So enter the search base/base DN accordingly.

Outlook Express 5

To add a directory service to Outlook Express 5 start by selecting the Tools menu, then Accounts.

This window should appear.

Internet Accounts			<u>? ×</u>
All Mail News	Directory Service	Connection Local Area Network	Add Remove Properties Set as Default Import
			Set Order Close

To add the directory service, select Add then Directory Service.

The following window will appear.

Internet Connection Wizard
Internet Directory Server Name
Type the name of the Internet directory (LDAP) server your Internet service provider or system administrator has given you. Internet directory (LDAP) server: mail.altn.com If your Internet service provider or system administrator has informed you that they require you to log on to your LDAP server and has provided you with an LDAP account name and password, select the check box below. My LDAP server requires me to log on
< Back Next > Cancel

In the Internet directory (LDAP) server field enter the host name and FQDN of the LDAP server you will be connecting to. Click Next.

ernet Connection Wizard Check E-mail Addresses	×
Your e-mail program checks the e-mail addre or more directory service address lists.	esses of your message recipients using one
Using a directory service to check the e-ma slow down the performance of your e-mail p	il addresses of your message recipients may rogram.
Do you want to check addresses using this	directory service?
Yes	
C No	
	< Back Next > Cancel

This option when enabled will check your addresses, automatically, after entering them into the To:, CC:, and BCC: fields of new emails. Make your selection and click next.

Internet Connection Wizard	×
Congratulations	×
You have successfully entered all of the information required to set up your account.	
To save these settings, click Finish.	
< Back Finish Ca	ancel

Click Finish. But you are not done configuring the LDAP client. You still need to tell the client how it will be searching the directory.



Back at the Internet Accounts window we need to highlight our new service and click Properties.

🚇 mail.altn.com Properties 📀 🕺 🗙			
General Advanced			
Directory Service Account Type the name by which you would like to refer to this server. For example, "Work Directory" or "Microsoft Directory Server"			
mail.altn.com			
Server Information			
Server name: mail.altn.com			
This server requires me to log on			
Account name:			
Password:			
Log on using Secure Password Authentication			
Check names against this server when sending mail			
OK Cancel Apply			

You won't be needing to configure anything here, it should already be set accordingly. If you see an error here you may correct the problem. Select the Advanced tab and move on.

🖳 mail.altn.com Properties 📃 ? 🗙
General Advanced
Server Port Number
Directory service (LDAP): 389 Use Default
This server requires a secure connection (SSL)
Search
Search timeout:
Short — J———— Long 1 minute
Maximum number of matches to return:
Search base: o=altn.com, c=US
🔲 Use simple search filter
OK Consul L Acata

Server Port Number

By default you will be using port 389, in some cases you may be running an Active Directory on your server and would have configured LDaemon to use a port other than 389, if this is the case edit the LDAP port to correspond to the port you configured LDAP to use.

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