LDAP Configuration

V5 can be configured to authenticate user logins against an LDAP server. When this is configured, as a username and password is entered at logon stage these details will be authenticated from the LDAP server, rather than the v5 borrower record. To use LDAP the following requirements must be met:

- LDAP Authentication must be available.
- The user's network username must be stored in v5.
- The application server will need to be able to access the LDAP server via a specified port.

LDAP can be configured in the following way:

- 1. Log in to your v5 system as an administrator.
- 2. Navigate to "Management > Parameters".
- 3. Search for "LDAP" and enter values for the following parameters:

Parameter No.	Parameter	Value
8150	ldapEnabled	True
8151	IdapLoginAllowEmptyPasswords	True / False
8152	IdapLoginAuthentication	simple
8153	ldapLoginMatchOnUserDN	true
8154	IdapLoginPrincipalDNSuffix	eg: @softlink.net.au
8155	ldapLoginProviderUrl	The details of your LDAP provider eg: - Idap://myserver:389/
8156	IdapLoginPrincipalDNPrefix	Enter the LDAP login principle DN Prefix (if applicable)

4. Users should now be able to log into v5 using their network username and password.

LDAP Configuration for Multiple Active Directory Sources

If you wish to use LDAP with multiple Active Directory sources, this needs to be configured using a configuration file.

 Create a new text file named "Idap.properties", paste the following information into it and save. A block of settings will need to be created for each Active Directory search you wish to include. Highlighted text should be replaced with information relevant to your settings.

```
# global settings
debug=true
timeout=10000
# Block 1
ldap1.host="xx.xx.xx.xx"
ldap1.port= "389"
#ldap1.bindUsername="ldap@xx.xx.xx.xx"
ldap1.bindDN="CN=ldap,CN=Users,DC=softlink,DC=net,DC=au"
ldap1.password="xxxxx"
ldap1.searchBaseDN="OU=Staff,DC=softlink,DC=com,DC=au"
ldap1.searchFilter="(& (objectCategory=person) (objectClass=user) (sAMAccountN
ame=%USERNAME%))"
ldap1.attributes="sAMAccountName"
# Block 2
ldap2.host="xx.xx.xx"
ldap2.port= "389"
#ldap2.bindUsername="ldap0xx.xx.xx"
ldap2.bindDN="CN=ldap,CN=Users,DC=softlink,DC=net,DC=au"
ldap2.password="xxxxx"
ldap2.searchBaseDN="OU=Staff,DC=softlink,DC=com,DC=au"
ldap2.searchFilter="(&(objectCategory=person)(objectClass=user)(sAMAccountN
ame=%USERNAME%))"
ldap2.attributes="sAMAccountName"
```

2. If your v5 system is hosted by Softlink:

- a. Add your organisation's name to the file name (E.G. "softlink.ldap.properties").
- b. In the v5 interface, in "System > Housekeeping" click "Upload Files to Server".
- c. Choose a File Type of "Other", click the "Browse" button beside the File Destination field and then click "UserDefinedLocations".
- d. If your organisation's name appears in the resulting list of subfolders, click it.
- e. Copy the value of the File Destination field to your clipboard for use in step g.
- f. Click the "Choose file" button, select your file and then click the "Upload" button.
- g. In "Management > Parameters" edit parameter # 8157 and point to the file created in the above steps. Include the File Destination from step e and the file name (E.G. d:/v5installPath/UserDefinedLocations/softlink.ldap.properties).
- h. If the above process fails, please send this file to Softlink with a brief explanation.
- 3. If your v5 system is installed locally:
 - a. In the v5 installation directory, navigate to the "...\Library Server\conf\" folder and paste the ldap.properties file there.
 - In the v5 interface, in "Management > Parameters" edit parameter # 8157 and point to the file created in the above steps.



Integrated Authentication using NTLM 1.0

This is only required if users are to be automatically be logged in rather than having to manually enter their network details. It is recommended that NTLM be used in combination with LDAP to ensure that login is possible from any machine. Authentication with NTLM 1.0 only is supported. To use Integrated Authentication the following requirements must be met:

- LDAP Authentication must be available.
- Client and Application server machines must all be part of the same Windows Domain (i.e. NTLM will not work for a Softlink-hosted v5 system).
- Clients must be connecting via Windows Internet Explorer.

To enable integrated authentication, the following steps must be completed:

- 1. Configure LDAP using the above instructions.
- 2. In your v5 system navigate to Management | Parameters and set the following parameters:

Parameter No.	Parameter	Value
8950	singleSignOnDomain	The domain on the network for
		authentication eg. SOFTLINK
8951	singleSignOnType	NTLM
8958	singleSignOnWinsAddress	The Wins address for the local
		network. This address can be
		obtained in a command prompt with
		the command ipconfig /all
8959	singleSignOnJcifsResolveOrder	Default: LMHOSTS,DNS,WINS
		Configures what, and the order in which,
		methods should be tried to resolve a server
		to authenticate against. The default value for this should generally be correct.
8960	singleSignOnJcifsHttpLoadBalance	Default: FALSE
		This must be set to false for
		installations using DNS to resolve
		the server. Either value should be
		fine for WINS
8961	singleSignOnJcifsHttpDomainController	Default: NULL
		The name of the domain controller
		to query for authentication. This can
		be any machine name or IP on the
		network.

7651 / 7652	mailServerUser / mailServerPassword	Valid details for a network user. This
		can be an existing one or a new one
		can be created.

- 3. Configure the v5 Server:
 - a. Open the file 'login-config.xml' located in the "...Library Server/server/sahara/conf" folder. **NOTE**: this may only apply to v5 Build 7 systems and earlier. If you're wishing to use LDAP + NTLM 1.0 with a v5 Build 8 and newer system, please request new instructions from Softlink.
 - b. Find the section that appears as follows:

```
<!-- NTLMLoginModule -->
<!--login-module
code="net.softlink.libraryserver.login.jboss.NTLMLoginModule"
flag="sufficient"/-->
```

and uncomment this section so it appears as follows:

```
<!--NTLMLoginModule -->
<login-module code="net.softlink.libraryserver.login.jboss.NTLMLoginModule"
flag="sufficient"/>
```

- c. Restart your v5 service
- Client Machine changes Client browsers must list the server as being an intranet site. This
 may be automatically resolved or require manual configuration dependant on the setup of
 the network. See here for details: <u>http://support.microsoft.com/kb/258063</u>

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