



KONICA MINOLTA

The Konica Minolta Guide to LDAP

This guide details how to set up the:

Bizhub 250/350, 420/500, 361/421/501, 600/750

Bizhub C250, C252, C300, C351, C352, C450

Bizhub C203, 253, 451, 550, 650





KONICA MINOLTA

LDAP, Lightweight Directory Access Protocol, is an Internet protocol that Konica Minolta machines can use to look up E-Mail Addresses from a server running Active Directory with LDAP Service*
Server 2008, LDAP is installed separately to Active Directory

To set up LDAP on the Konica Minolta Bizhub machines, please follow the instructions below: *NB: this is a guide only and is not indicative of actual settings for your network or machine as the LDAP structure varies from Network to Network and machine.*

It is advisable for the Network Administrator to configure settings as a knowledge of the Network is required.

C250, 252, C300, C351, C352, C450, BH420/BH500, BH600/BH750

Setting up via the Control Panel –

- 1) Press on Utility/Counter
- 2) Press on Administrator Setting and enter the Admin code of 12345678
- 3) Press on Network Setting
- 4) Press on LDAP Setting
- 5) Press on 'Enabling LDAP Function' and select 'ON'. Press 'OK'
- 6) The machine will then take you out of Network Settings and you will have to follow steps 3 & 4 again
- 7) Press on 'Setting Up LDAP' and the following screen will appear

Setting Up LDAP

1/4 ← Back Fwd. →

Server Address 150.16.85.10

Search Base dc=bgb, dc=kme, dc=intern

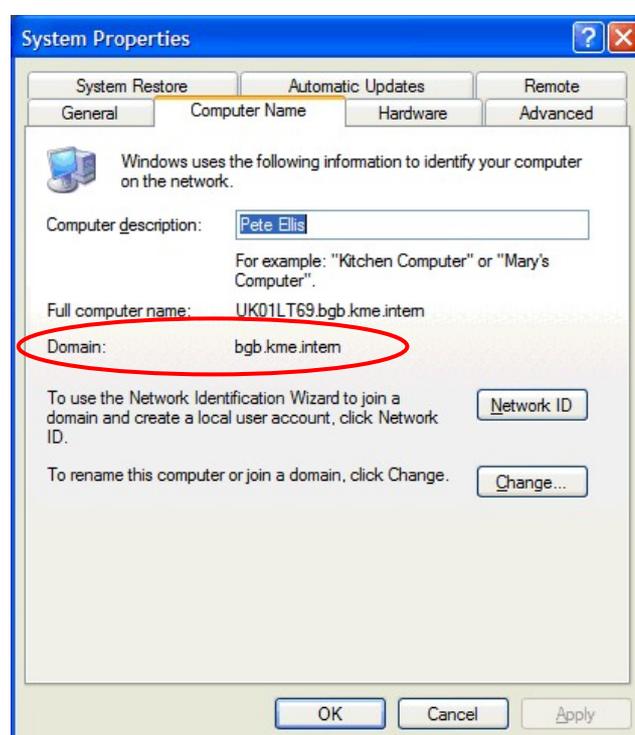
Reset All Settings Cancel OK

- 8) Enter the IP address of the server where LDAP is configured
- 9) Enter in the 'Search Base' of the domain.

As a rough guide you can find the domain by right clicking 'My Computer' and going in to the Properties. Under the 'Computer Name' tab it will say 'Domain' as below. The basic rule for the Search Base is if the customer has a separate container of employee e-mail addresses that are outside of the root of the domain this must also be specified. If they do not, you only need to input the root. For example, the customer has a container called Sales, and his domain is mydomain.co.uk. The search base would be: `ou=Sales,dc=mydomain,dc=co,dc=uk`

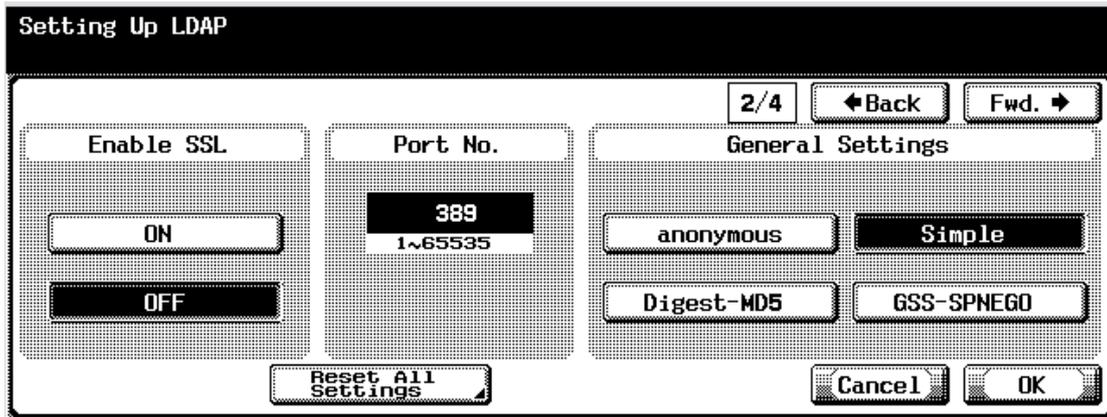
Without the Sales container, it would be `dc=mydomain,dc=co,dc=uk`(Searches entire domain)

My Computer Properties



10) Press the 'FWD' button to progress to the next screen

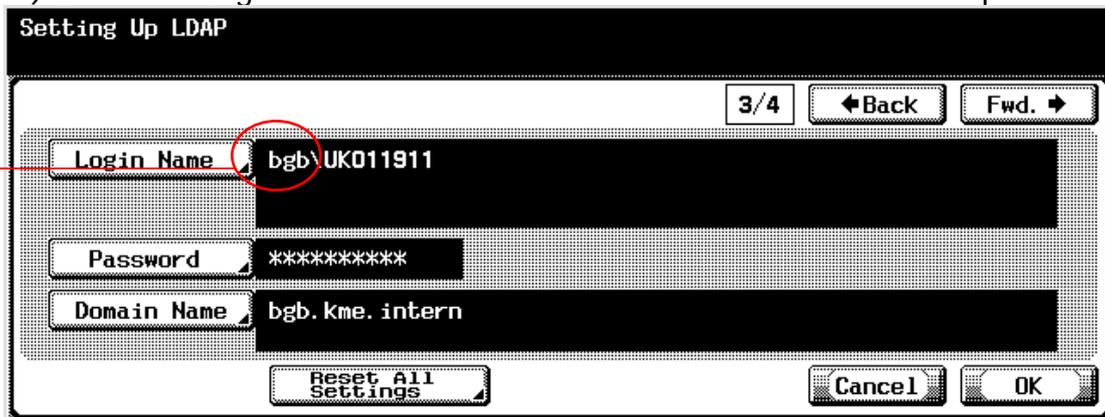
11) These next settings are very much dependent on the customer's server and how it has been set up. For example, the Hotline in Basildon runs on a different network to the LDAP server. On our machines, we have to set the 'General Settings' to 'Simple' but on the next screen we have to force the domain within the User Name. On other machines in the building that are on the same network as the server, 'General Settings' are set to GSS-SPNEGO and the domain does not need to be forced.



12) Press the 'FWD' button to progress to the next screen

13) Enter the 'Login Name' and 'Password' of an account that is set up on the server.

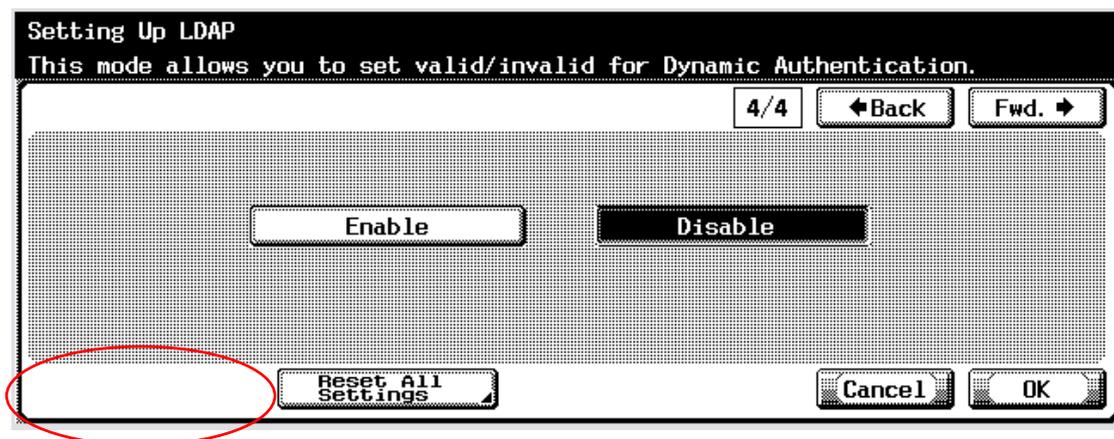
This is us forcing the domain



14) Enter in the 'Domain Name' as discovered in Step 9.

15) Press the 'FWD' button to progress to the next screen

16) Set as required



On the machine, a 'Check Connection' button will appear here. Once you have entered the settings, press on this button to ensure the machine can see the LDAP server

Set up of LDAP is now complete.

You can also set this up via a web browser.

To do this, follow the instructions below:

- 1) Enter the IP address of the Konica Minolta machine into Internet Explorer and press Go
- 2) Log into the web page using the Admin code for the machine. Depending on which machine you have, this will either be 8 x 0's (00000000) or 12345678.
- 3) Click on the Network tab at the top of the screen
- 4) Then click on LDAP
- 5) Once you have input the settings, be sure to click on 'Check LDAP Setting'

Network Setting - Admin Mode - Microsoft Internet Explorer

Address: http://150.16.169.27/a_network.xml

KONICA MINOLTA
PAGE SCOPE Web Connection

Ready to Scan 600
Low Paper

Logout System User Box Print Scan Network

LDAP

LDAP Enable

LDAP Server Address 150.16.85.10

Port Number 389 (1-65535)

Enable SSL

Port Number(SSL) 636 (1-65535)

Search Base dc=bgb,dc=kme,dc=intern

Search Timeout 60 Seconds (5-300)

Max # of LDAP Hits 100 (5-1000)

Authentication Method anonymous

Login Name bgb\UKD11911

Password

Domain Name bgb.kme.intern

Check LDAP Setting Apply Clear

Applet: 3356_status started Internet

Bizhub 250/350

Setting up via the Web Browser-

It is easier to configure the Bizhub 250/350 via the web interface.

- 1) Log into Admin Mode using the code of 8 x 0's (00000000) and click on the Network tab. Make sure you enable LDAP under the 'LDAP' heading before you go into 'LDAP Server Setting'
- 2) Select any available set of 3 dashes(allowed up to 5 servers) we will assume Hot2003 does not exist

KONICA MINOLTA
PAGE SCOPE Web Connection

Ready to Scan
Ready to Print

250

Log-out

System User Box Print Fax/Scan Network

Common Setting

- TCP/IP
- IP Filtering
- IPP
- NetWare
- NetWare Status
- Windows
- AppleTalk
- LDAP
- LDAP Server Setting**
- E-Mail/Internet FAX
- FTP Configuration
- SNMP Setting
- SSL/TLS
- IP Relay Settings

LDAP Server

1	2	3	4	5
<input type="checkbox"/> HOT2003	---	---	---	---

Delete

- 3) The LDAP Server screen opens as below, you may need to force the domain as shown. Search base will be your FQDN in dc=, format. Domain Name would be your normal domain logon name.

KONICA MINOLTA
PAGE SCOPE Web Connection

Ready to Scan
Ready to Print

250

Log-out

System User Box Print Fax/Scan Network

Common Setting

- TCP/IP
- IP Filtering
- IPP
- NetWare
- NetWare Status
- Windows
- AppleTalk
- LDAP
- LDAP Server Setting**
- E-Mail/Internet FAX
- FTP Configuration
- SNMP Setting
- SSL/TLS
- IP Relay Settings

LDAP Server Setting

LDAP Server Name: HOT2003

LDAP Server Address: 10, 120, 210, 201

SSL/TLS: Disable

Port Number: 389 (1-65535)

Search Base: dc=hotline2k3,dc=hotline,dc=local

Connection timeout: 60 Sec (5-300)

Maximum number of Search: 100 (5-100)

Authentication Setting: Simple

Domain Name: hotline2k3

Login Name: hotline2k3\administrator

Password:

Check connection

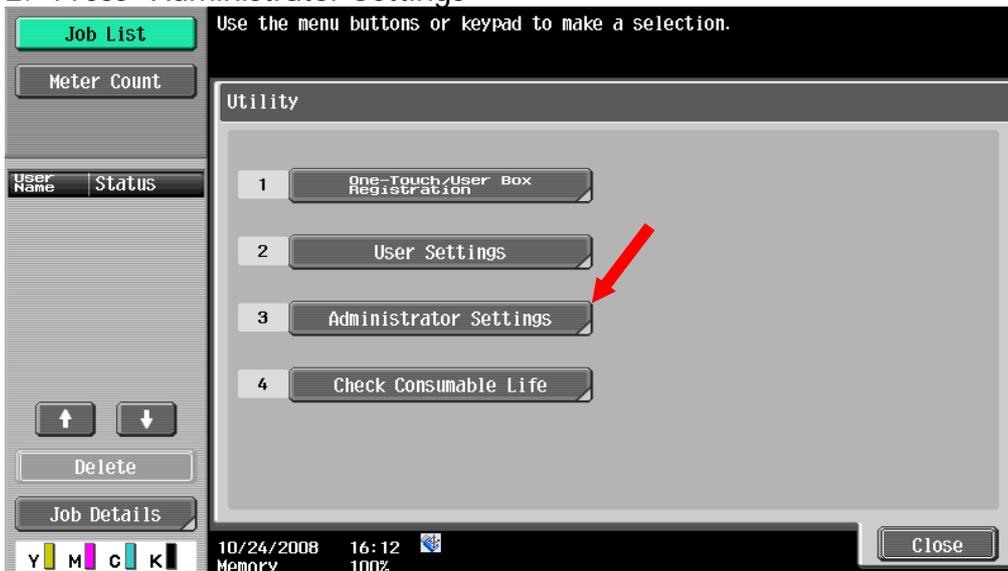
Forcing the
Domain

Bizhub C203 – 650 (Bizhub 361-501 is similar)

Setting up via the Control Panel –

At Machine:

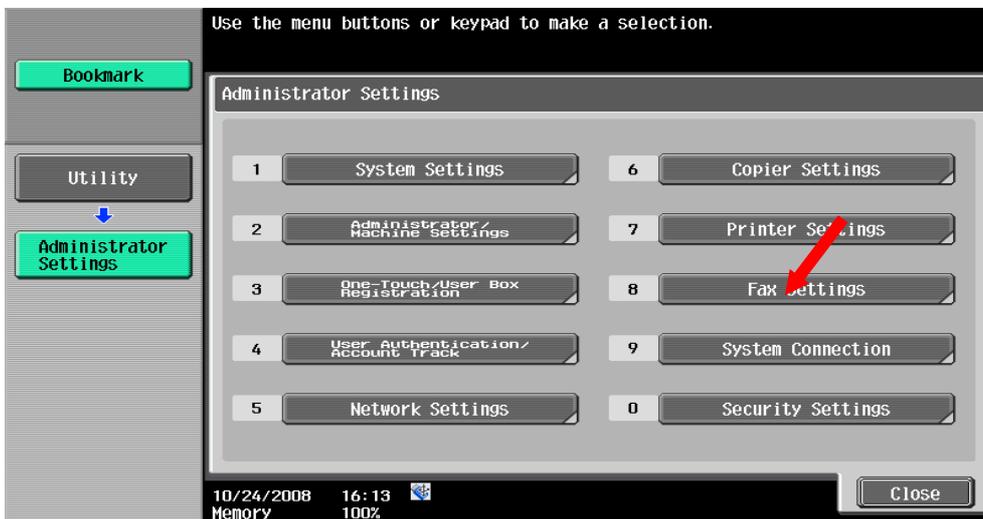
1. Press Utility/Counter
2. Press “Administrator Settings”



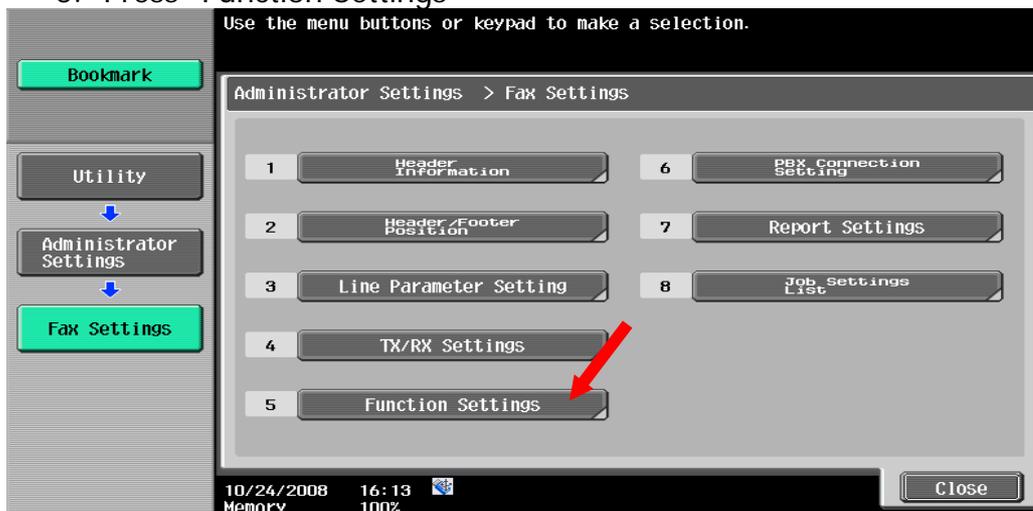
3. Enter the Administrator Password, default = 12345678 and press “OK”



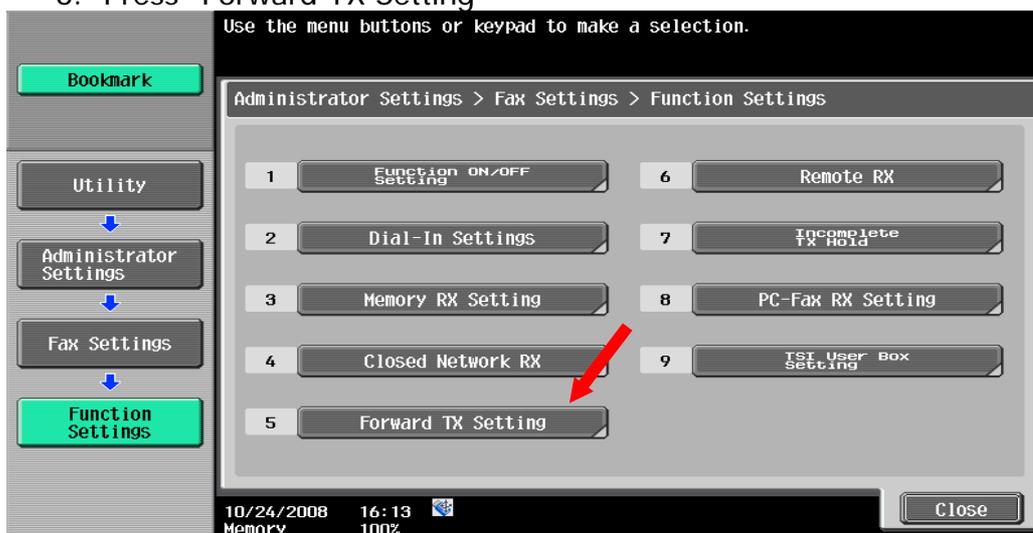
4. Press “Fax Settings”



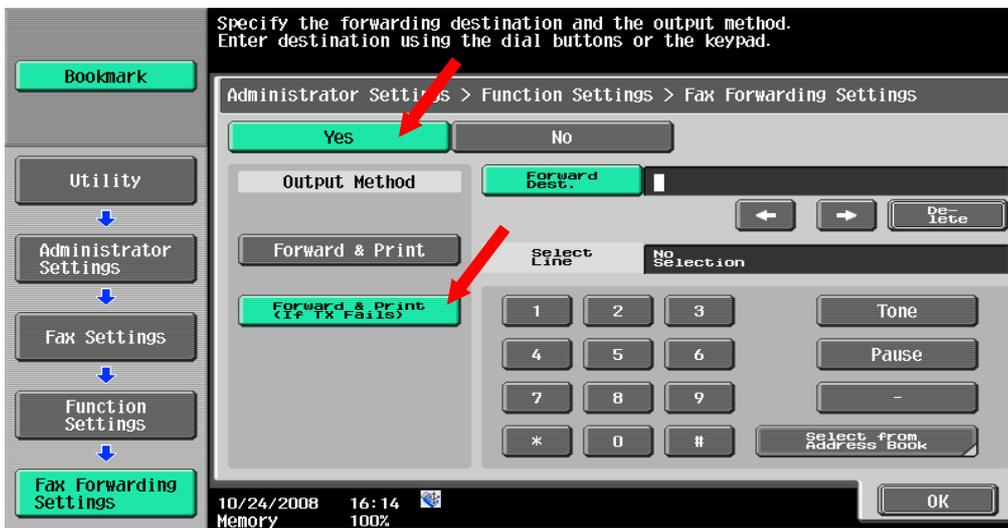
5. Press "Function Settings"



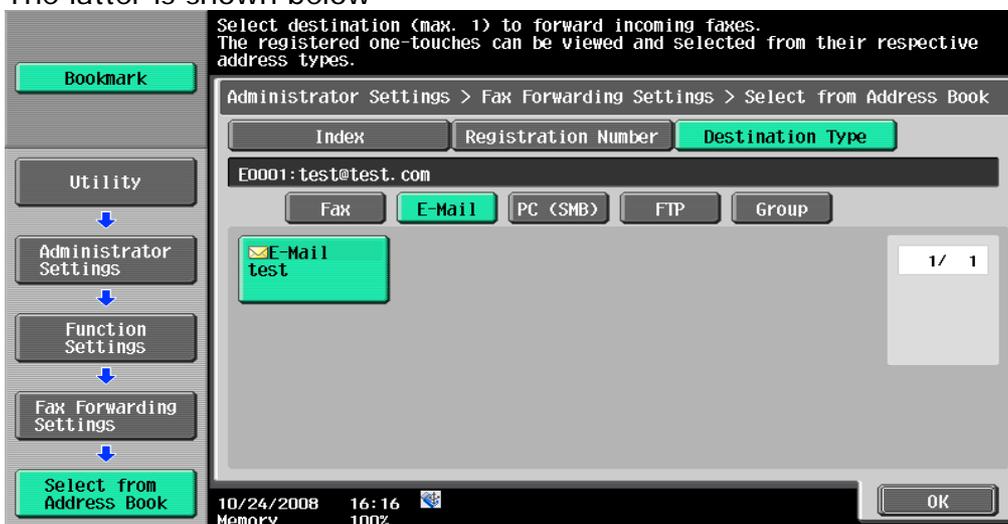
6. Press "Forward TX Setting"



7. Press all as arrowed then "Select from Address Book"



8. Here you have a couple of options, you can select "Index" and search for a recipient or select "Destination Type" and "E-Mail" then select the recipient. The latter is shown below



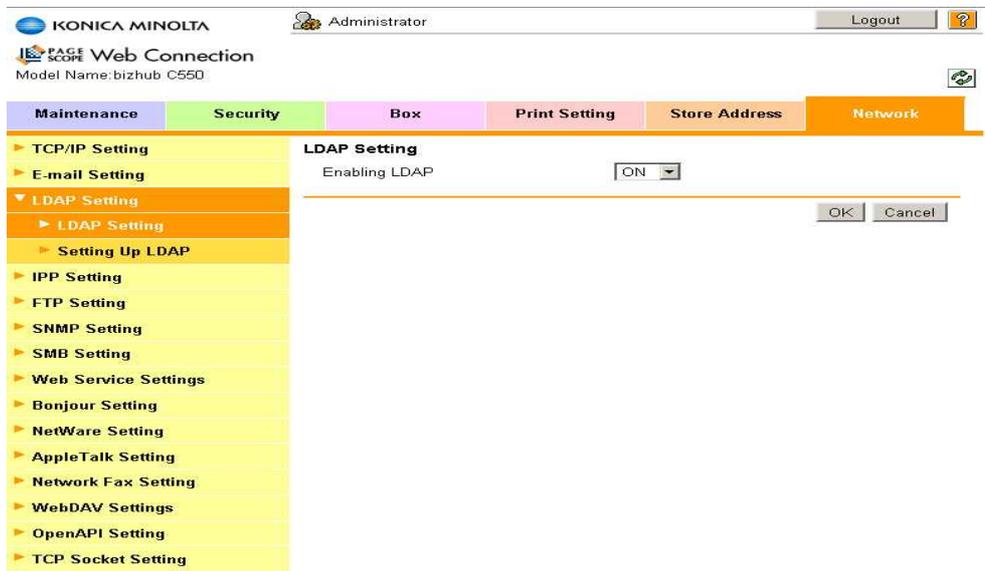
8. Press "OK" you will then be returned to the screen as in 7 only this time you will see your selected recipient in the Forward Dest. Dialogue box.



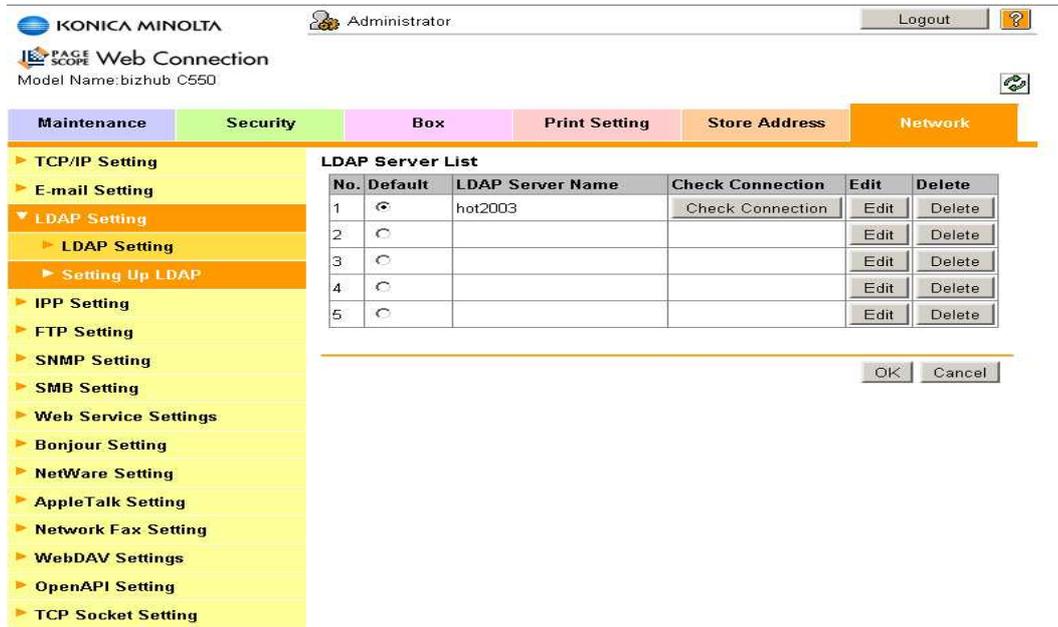
9. Press "OK" then "Close" until back to main screen

Setting up via the Web Interface-

1. Enter the IP address of the Konica Minolta machine into Internet Explorer and press Go
2. Log into the web page using the Admin code for the machine.
Default = 12345678.
3. Click on the Network tab at the top of the screen
4. Then click on LDAP Setting and set to Enable



- 4) Select "Setting Up LDAP" and select any available radio button. we will assume Hot2003 does not exist.
5. Select "Edit"



6. Enter you network settings in the dialogue box's including password. The copier will use the Admin credentials to interrogate LDAP (**none of this is seen by end user**)

KONICA MINOLTA Administrator Logout

Web Connection
Model Name: bizhub C550

Maintenance Security **Box** Print Setting Store Address Network

TCP/IP Setting
E-mail Setting
LDAP Setting
 LDAP Setting
 Setting Up LDAP
 IPP Setting
 FTP Setting
 SNMP Setting
 SMB Setting
 Web Service Settings
 Bonjour Setting
 NetWare Setting
 AppleTalk Setting
 Network Fax Setting
 WebDAV Settings
 OpenAPI Setting
 TCP Socket Setting

Setting Up LDAP

No. 1

LDAP Server Name hotline2003

Server Address Please check to enter host name.
10.120.210.201

Port Number 389 (1-65535)

Enable SSL
Port Number (SSL) 636 (1-65535)

Search Base dc=hotline2k3,dc=hotline,dc=local

Timeout 60 sec. (5-300)

Max. Search Results 100 (5-1000)

Authentication Method NTLM v1

Login Name administrator

Password

Domain Name hotline2k3

Select Server Authentication Method Set Value

Use Referral ON

Initial Setting for Search Details

Name OR

E-mail OR

Fax Number OR

Last Name OR

First Name OR

City OR

Organization OR

Organizational Unit OR

OK Cancel

6. Select "OK" you will then be returned to the screen as in 5-6 above, where you can 'Test' the connection. If all OK you can Logout.

To use the LDAP search function the procedure will vary slightly depending on the machine model. For this example we will use the Bizhub C550.

For File Type selection please refer to the relevant User Manual

User Mode:

1. Place Document(s) in document feeder
2. Select "FAX/SCAN"
3. Select Address Search Tab
4. Select "Search"
5. Enter firstname or lastname or part thereof
6. Select "Start Search"
7. Machine will retrieve names from the LDAP server matching search criteria
8. Select Recipient(s) - *Select "Name-Dest" then name***Only if Fax Unit Fitted**
9. Select "OK"
10. Press "Start"

Setting up and Printing using User Authentication on Bizhub's C203-C650

Machine used for Example Bizhub C550

Login to the machine's web browser as Administrator

Set up machine to "look" at LDAP Server before enabling Authentication

, if machine can already search LDAP for basic email search then any errors with this set up will most likely be due to configuration and not machine.

Click on "Security" then "External Server Registration" then "Edit"

KONICA MINOLTA Administrator Logout ?

PAGE SCOPE Web Connection Model Name: bizhub C550

Maintenance Security Box Print Setting Store Address Network

Authentication

User Auth/Account Track

External Server Registration

Default Function Permission

User Registration

Account Track Registration

SSL/TLS Setting

Address Reference Setting

Permission of Address Change

Auto Logout

Administrator Password Setting

No.	Default	External Server Name	External Server Type	Edit	Delete
1	<input type="radio"/>			Edit	Delete
2	<input type="radio"/>			Edit	Delete
3	<input type="radio"/>			Edit	Delete
4	<input type="radio"/>			Edit	Delete
5	<input type="radio"/>			Edit	Delete
6	<input type="radio"/>			Edit	Delete
7	<input type="radio"/>			Edit	Delete
8	<input type="radio"/>			Edit	Delete
9	<input type="radio"/>			Edit	Delete
10	<input type="radio"/>			Edit	Delete
11	<input type="radio"/>			Edit	Delete
12	<input type="radio"/>			Edit	Delete
13	<input type="radio"/>			Edit	Delete
14	<input type="radio"/>			Edit	Delete
15	<input type="radio"/>			Edit	Delete
16	<input type="radio"/>			Edit	Delete
17	<input type="radio"/>			Edit	Delete
18	<input type="radio"/>			Edit	Delete
19	<input type="radio"/>			Edit	Delete
20	<input type="radio"/>			Edit	Delete

OK Cancel

Click on "Edit" and enter details as per your network



Maintenance Security **Print Setting** Store Address Network

Authentication

- User Auth/Account Track
- External Server Registration**
- Default Function Permission
- User Registration
- Account Track Registration
- SSL/TLS Setting
- Address Reference Setting
- Permission of Address Change
- Auto Logout

External Server Registration

No. 1

External Server Name hot2003

External Server Type LDAP

Active Directory

Default Domain Name

NTLM

Default Domain Name

NDS

Default NDS Tree Name

Default NDS Context Name

LDAP

Server Address Please check to enter host name.
10.120.210.201

Port No. 389 (1-65535)

Enable SSL

Port No. (SSL) 636 (1-65535)

Search Base dc=hotline2k3,dc=hotline,dc=local

Timeout 60 sec. (5-300)

Authentication Method Simple

Search Attribute uid

OK Cancel

Click “OK” then “OK” to confirmation message, you will then be returned to the screen shown previously only now you will see the server listed. You can add multiple servers if required



Maintenance Security **Box** Print Setting Store Address Network

Authentication

- User Auth/Account Track
- External Server Registration
- Default Function Permission
- User Registration
- Account Track Registration
- SSL/TLS Setting
- Address Reference Setting
- Permission of Address Change
- Auto Logout
- Administrator Password Setting

External Server List

No.	Default	External Server Name	External Server Type	Edit	Delete
1	<input checked="" type="radio"/>	hot2003	LDAP	Edit	Delete
2	<input type="radio"/>			Edit	Delete
3	<input type="radio"/>			Edit	Delete
4	<input type="radio"/>			Edit	Delete
5	<input type="radio"/>			Edit	Delete
6	<input type="radio"/>			Edit	Delete
7	<input type="radio"/>			Edit	Delete
8	<input type="radio"/>			Edit	Delete
9	<input type="radio"/>			Edit	Delete
10	<input type="radio"/>			Edit	Delete
11	<input type="radio"/>			Edit	Delete
12	<input type="radio"/>			Edit	Delete
13	<input type="radio"/>			Edit	Delete
14	<input type="radio"/>			Edit	Delete
15	<input type="radio"/>			Edit	Delete
16	<input type="radio"/>			Edit	Delete
17	<input type="radio"/>			Edit	Delete
18	<input type="radio"/>			Edit	Delete
19	<input type="radio"/>			Edit	Delete
20	<input type="radio"/>			Edit	Delete

OK Cancel

Click on “User Auth/Account Track” enable function as “General Settings” highlighted below



Maintenance	Security	Print Setting	Store Address	Network
<div style="display: flex; justify-content: space-between;"> <div style="width: 25%;"> <p>▼ Authentication</p> <ul style="list-style-type: none"> ▶ User Auth/Account Track ▶ External Server Registration ▶ Default Function Permission ▶ User Registration ▶ Account Track Registration ▶ SSL/TLS Setting ▶ Address Reference Setting ▶ Permission of Address Change ▶ Auto Logout </div> <div style="width: 75%;"> <h3>User Auth/Account Track</h3> <p>General Settings: OFF</p> <p>Public User Access: OFF</p> <p>Ticket Hold Time Setting (Active Directory): ON (External Server)</p> <p>Account Track: OFF</p> <p>Account Track Input Method: Account Name & Password</p> <p>Synchronize User Authentication & Account Track: Synchronize</p> <p>Number of Counters Assigned for Users: (1-999)</p> <p>When Number of Jobs Reach Maximum: Skip Job</p> <p style="text-align: right;">OK Cancel</p> </div> </div>				

Showing Enabling *User Authentication* - option can be set for Public User Access for BW access if required. Default Function permissions can also be set if required, eg: Total copy/print restriction (ALL users).

Click "OK" to all Messages then Logout.

User Mode

User is shown Logon Screen on Copier consisting of:

- Username (1)
- Password (2)
- Domainname (3)

- (1) Users Domain Login Name
- (2) Users Domain Password
- (3) No need to touch (fixed - unless multiple servers/domains are used)

Press "Login"

The Machine will now Authenticate against the Domain Controller all machine functions should now be available.

NB: Once a user has successfully logged into the machine an account will be created on the machine consisting of "username" for usage accounting tracking purposes