

# HOW TO SETUP ACCOUNT LEARNING SYSTEM

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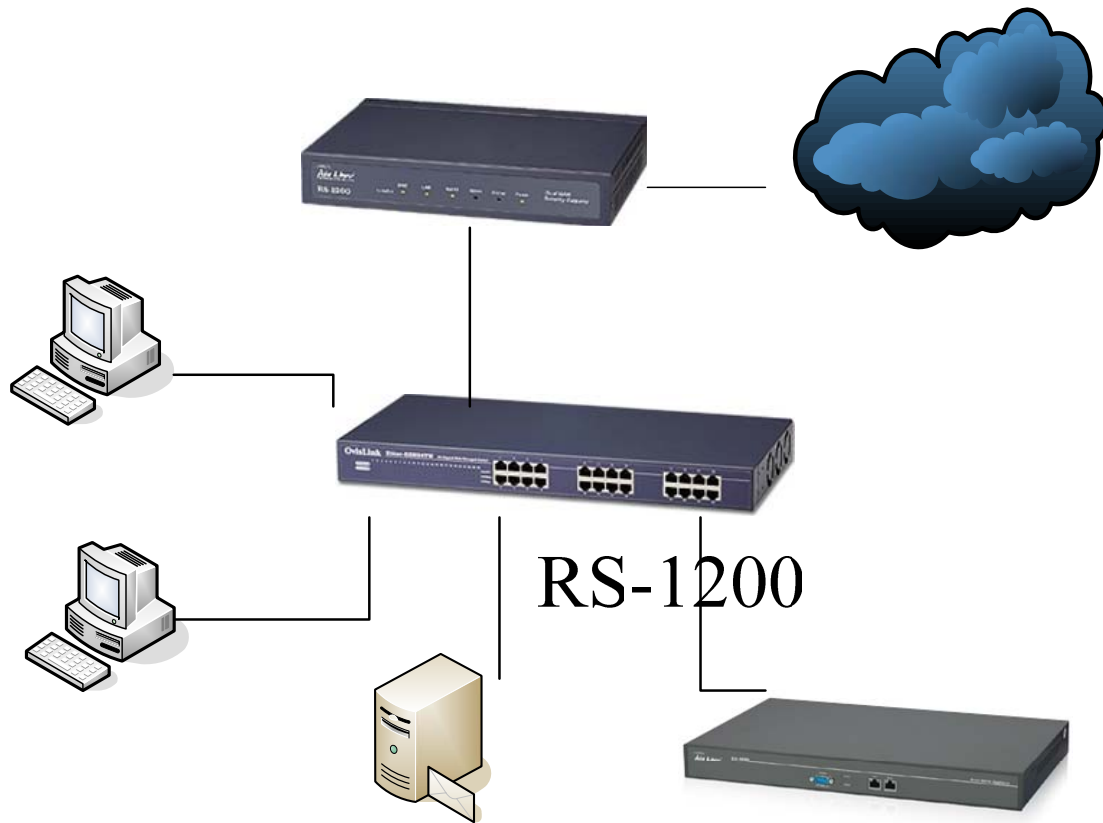
## 1. Procedure

- a. Original topology: Mail server installed at RS-1200 LAN site with virtual server.
- b. Modification: Install ES-4000 at RS-1200 LAN site to replace old mail server.
- c. Admin only needs to change RS-1200 virtual server LAN IP setting from old mail server to the new one.
- d. LAN users do not need to change any email client setting.
- e. When LAN users try to access email client at first time, the request will pass to ES-4000, and ES-4000 will record the mail account and password, also verify the account, password and receive the mail from old mail server.
- f. Next time the account can access ES-4000 directly.

## 2. Environment

- a. Domain name: chungpe.dyndns.org
- b. RS-1200 Security Gateway \* 1  
LAN port IP: 192.168.1.1.
- c. ES-4000 Mail Server \* 1  
Old Mail server - IP: 192.168.1.2  
ES-4000 - IP: 192.168.1.3 (as new mail server)
- d. SWITCH GSH-24T \* 1

### 3. Application



### 4. RS-1200 configuration:

- a. Pause Virtual server setting of Incoming Policy.

Source	Destination	Service	Action	Option	Configure	Move
Outside_Any	Virtual Server 1(60.250.158.64)	ES_4000_Mail		NAT	Modify Remove <b>Pause</b>	To 1

- b. Enter Virtual server setting and change the IP address from 192.168.1.2 to 192.168.1.3.

Service	WAN Port	Server Virtual IP	Configure
ES_4000_Mail	From-Service(Custom)	192.168.1.3	Modify Pause

- c. Enable Incoming Policy of Virtual server setting.

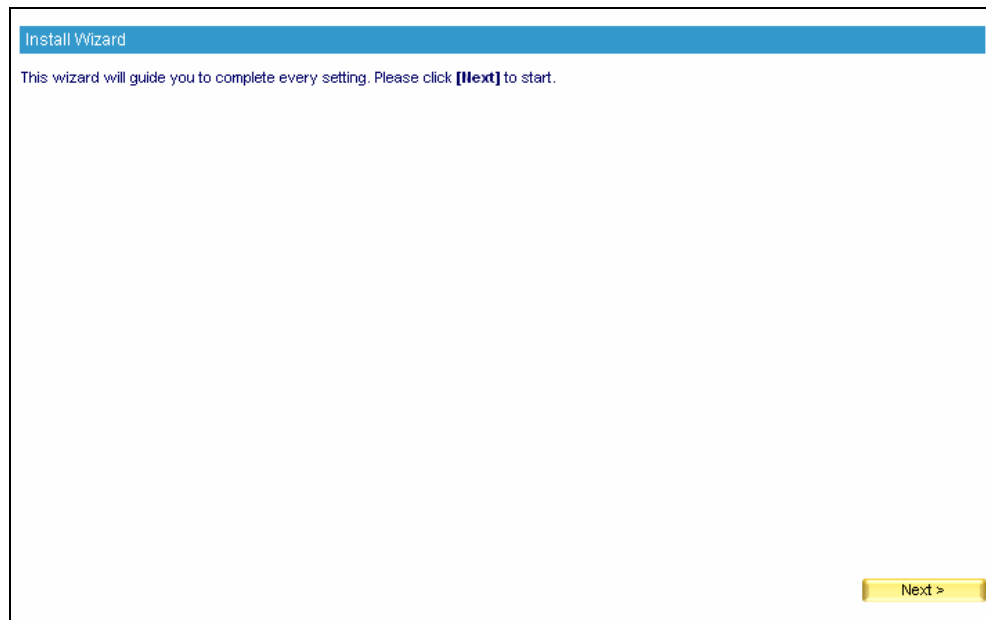
Source	Destination	Service	Action	Option	Configure	Move
Outside_Any	Virtual Server 1(60.250.158.64)	ES_4000_Mail		NAT	Modify Remove <b>Enable</b>	To 1

Old mail server

5. Install ES-4000 as new mail server and connect to switch, and follow the wizard to configure ES-4000. Open the Internet browser and type default IP address in address bar (<http://192.168.1.1>), then enter default user name and password with admin/airlive.



6. If it is the first time to login ES-4000, system will automatically enter Install Wizard, and guide user to make settings. Click Next



## 7. Select the language and character encoding.

**Step1 : Default Language and Character Encoding**

Please select the Default Language and Character Encoding, then click **[Next]**.

- Default Language :  
Please select the Default language to be used when you come to this Web UI.  
Default Language :
- Default Character Encoding :  
When the character encoding of mail is unknown, the system will use the Default Character Encoding to save the mail.  
Default Character Encoding :

## 8. Provide a valid IP address of the LAN subnet along with its mask, default gateway and DNS sever address. Take this case as example, enter IP address with 192.168.1.3.

**Step2 : Interface Address**

Please enter the IP address, Netmask, Default Gateway and DNS Server, then click **[Next]**.

IP Address	<input type="text" value="192.168.1.3"/>
Netmask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168.1.1"/>
DNS Server 1	<input type="text" value="168.95.1.1"/>
DNS Server 2	<input type="text" value="168.95.192.1"/>

9. Synchronize System Clock, enable Synchronize with an Internet Time Server and set up offset hours from GMT to assure the correct time

System time : Wed, May 2 14:57:19 2007

**Step3 : Synchronize system clock**

Please set your time zone and time server parameters which will help you to record the logs correctly. Then click **[Next]**.

- Setup Time Zone :
 

Set offset  hours from GMT [Assist](#)
- Synchronize system clock :
 

Enable synchronize with an Internet time Server

Enable daylight saving time setting, From  /  To  /

Server IP / Name  [Assist](#)

Update system clock every  minutes ( Range: 0 ~ 99999, 0 : refers to update during system booting )

10. Enter the original domain name

**Step4 : Domain Alias**

Please enter at least 1 Domain Alias, ex: broadband.com.tw, then click **[Next]**.

#	Add New Domain Alias ( Max. 80 characters )
1	chungpe.dyndns.org
2	Domain Name : <input type="text" value="chungpe.dyndns.org"/>
3	Domain Name : <input type="text"/>
4	Domain Name : <input type="text"/>
5	Domain Name : <input type="text"/>
6	Domain Name : <input type="text"/>
7	Domain Name : <input type="text"/>
8	Domain Name : <input type="text"/>
9	Domain Name : <input type="text"/>
10	Domain Name : <input type="text"/>
11	Domain Name : <input type="text"/>

## 11. Apply permitted mail relay segments and domains..

**Step5 : Mail Relay**

Please enter at least 1 Sender IP, ex: LAN Subnet, then click **[Next]**.

- IP Address : Trust Sender IP or Subnet.
- Domain Name : Trust Domain of Recipient.

#	Add New Mail Relay	
1	<input type="radio"/> IP Address <input checked="" type="radio"/> Domain Name	Domain Name : chungpe.dyndns.org
2	<input type="radio"/> IP Address <input checked="" type="radio"/> Domain Name	Domain Name : <input type="text" value="chungpe.dyndns.org"/>
3	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
4	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
5	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
6	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
7	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
8	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
9	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
10	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>
11	<input checked="" type="radio"/> IP Address <input type="radio"/> Domain Name	IP Address / Netmask : <input type="text"/> / <input type="text"/>

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## 12. Depends on the original deployment to decide if it is necessary to install DNS server.

**Step6 : DNS Setting (Optional)**

If your domain name resolved by external DNS server, click **[Next]**, or you need the mail server to resolve the domain name, please **Enable** the following option, then click **[Next]**.

No Domain Alias has added, if you want to add DNS, please go back to **Step 4**, and set a Domain Alias

DNS Setting : chungpe.dyndns.org

DNS Zone Configuration

No Domain Alias has added

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13. Set up account learning approach. Choose Query Old Mail Server, and enter IP Address with old mail server IP 192.168.1.2

**Step7 : Learning Account Setting**

Please select a method for learning mail accounts, then click **[Next]**.

- ◆ Query Old Mail Server, IP Address : Learning mail accounts from existing mail server.
- ◆ Automatically Learning : Learning mail accounts from both inbound and outbound mails.(Automatically)

Not Learning ( Manual Setting )

Query Old Mail Server, IP Address

Automatically Learning

Enable LDAP [Test](#)

LDAP Server IP

LDAP Server Port  ( Range : 1 - 65535 )

LDAP Search Base  ( Max. 255 characters, ex: dc=mail,dc=my\_domain,dc=com )

User Name  ( Max. 255 characters )

Password  ( Max. 255 characters )

14. Set up default value for new account

**Step8 : Default Value of New Account**

Please enter default value of new account, then click **[Next]**.

Maximum Mail Box Quota for New Account  MB ( Inbox :  MB, Others : 50 MB ) ( Range : 10 - 9999 )

Maximum Web Disk Quota for New Account  MB ( Range : 0 - 9999 , 0 : means disable )

Maximum Message Size of a Mail  MB ( Range : 1 - 999 )

15. Click Next to pass the HA setting.

**Step9 : High Availability Setting (Optional)**

If there is no same model appliance available, then skip this step and click **[Next]** If there is another appliance of same model for backup purpose, please set as below:

1. Connect the port 1 of backup appliance to the same subnet as this appliance.
2. Connect the port 2 of backup appliance to the port 2 of this appliance with a crossover cable.
3. Enable High Availability below and apply the management interface address. The firmware on both appliances can be synchronized by checking **Automatic synchronous software of system**.
4. Click **[Next]** when complete setting. After Install Wizard finished, system will automatically go to the path of **[High Availability→Standby Hosts]**, there you will see the backup appliance shown on the list. Then select it.

Enable High Availability

IP Address (for Management)

Automatic synchronous software of system

16. Click Finish to close the wizard when you configure it ready.

**Step10 : Attention**

Please set up following services on Perimeter Gateway for mail server operation, then click **[Finish]**.

Direction : External to Internal ( Incoming )

Function	Protocol	Port
Management Interface	TCP	80
	TCP	443
Send Mail	TCP	25
Receive Mail	TCP	110
Web Mail	TCP	8080
	TCP	1443
DNS	TCP	53
	UDP	53

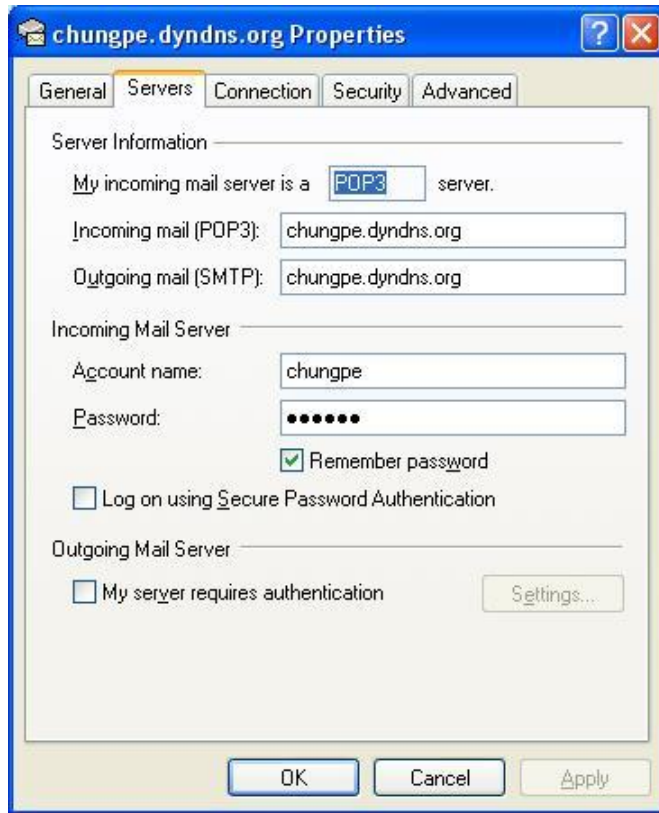
Direction : Internal to External ( Outgoing )

Function	Protocol	Port
DNS	TCP	53
	UDP	53
Send Mail	TCP	25
Anti-Virus ( Update Virus Definitions )	TCP	80



17. Client user just runs Outlook Express to receive mail as he used to do, and do not need to change any setting in client software.

(e.g. chungpe@chungpe.dyndns.org)



18. Now you can login to ES-4000, and click **Mail Management > Account Management > Individual** to check account list, you will find a new account created automatically.

