

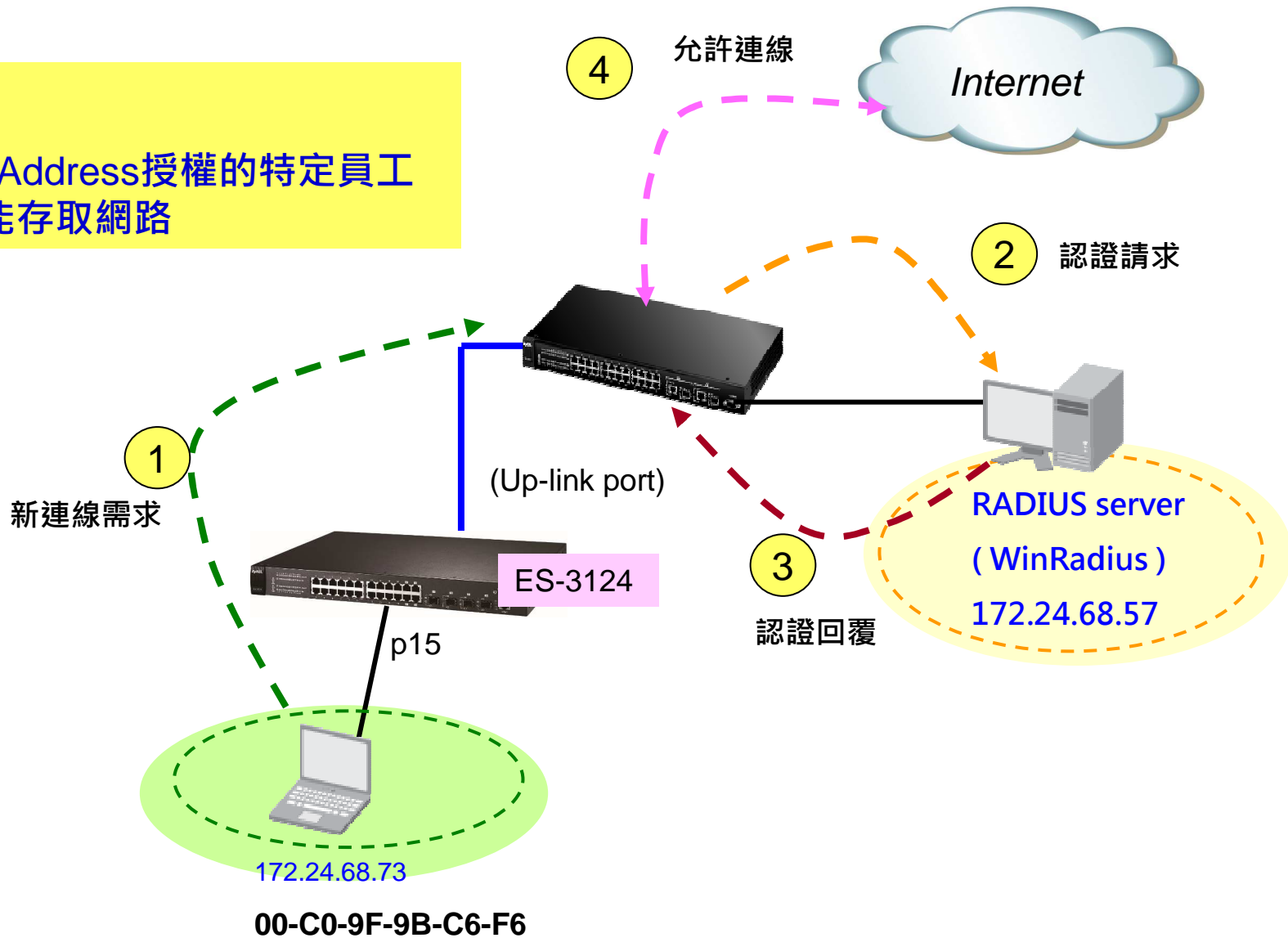


MAC Authentication

- On the Network Access Server
 - ✓ MAC authentication provides a means of authenticating without the user login
- On the RADIUS server
 - ✓ Instead of entering user names, enter the MAC addresses which are allowed to authenticate, and enter the same MAC password for every MAC address
 - ✓ The MAC format is as follows: **zy-XX-XX-XX-XX-XX-XX**
 - ✓ The password: **zyxel**

需求:

有MAC Address授權的特定員工
電腦才能存取網路



MENU

Basic Setting

Advanced Application

IP Application

Management

VLAN

Static MAC Forwarding

Filtering

Spanning Tree Protocol

Bandwidth Control

Broadcast Storm Control

Mirroring

Link Aggregation

Port Authentication

Port Security

Classifier

Policy Rule

Queuing Method

VLAN Stacking

Multicast

Auth and Acct

IP Source Guard

Loop Guard

Authentication and Accounting

[RADIUS Server Setup](#) [Click Here](#)

[TACACS+ Server Setup](#) [Click Here](#)

[Auth and Acct Setup](#) [Click Here](#)

RADIUS Server Setup

[Auth and Acct](#)

Authentication Server

Mode

index-priority

Timeout

30

seconds

Index	IP Address	UDP Port	Shared Secret	Delete
1	172.24.68.57	1812	87654321	<input type="checkbox"/>
2	0.0.0.0	1812		<input type="checkbox"/>

Apply

Cancel

The image shows two screenshots of the ZyXEL switch configuration interface. The top screenshot shows the 'Port Authentication' menu with 'MAC Authentication' highlighted. The bottom screenshot shows the 'MAC Authentication' configuration page with a table of ports and their authentication status.

Top Screenshot: Port Authentication Menu

- MENU
 - Basic Setting
 - Advanced Application
 - IP Application
 - Management
- Port Authentication
 - 802.1x [Click here](#)
 - MAC Authentication** [Click here](#)

Bottom Screenshot: MAC Authentication Configuration

MENU

- Basic Setting
- Advanced Application
- IP Application
- Management

VLAN

- Static MAC Forwarding
- Filtering
- Spanning Tree Protocol
- Bandwidth Control
- Broadcast Storm Control
- Mirroring
- Link Aggregation
- Port Authentication**
- Port Security
- Classifier
- Policy Rule
- Queuing Method
- VLAN Stacking
- Multicast
- Auth and Acct
- IP Source Guard
- Loop Guard

Configuration fields:

- Active:
- Name Prefix: zy-
- Password: zyxeltp
- Timeout: 0

Port	Active
*	<input type="checkbox"/>
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>
7	<input type="checkbox"/>
8	<input type="checkbox"/>
9	<input type="checkbox"/>
10	<input type="checkbox"/>
11	<input type="checkbox"/>
12	<input type="checkbox"/>
13	<input type="checkbox"/>
14	<input type="checkbox"/>
15	<input checked="" type="checkbox"/>
16	<input type="checkbox"/>



RADIUS Server設定1

WinRadius - ???

Operation LOG Advanced **Settings** View Help

ID	Time	Message
1	2010y2m8d 11h35m10s	
2	2010y2m8d 11h35m10s	
3	2010y2m8d 11h35m10s	

System settings

NAS Secret: 87654321

Authorization port: 1812

Accounting port: 1813

Launch when system startups

Minimize the application when startups

OK Cancel



RADIUS Server設定2

WinRadius - ???

Operation LOG Advanced Settings View Help

+

ID	Time	Message
1	2010y2m8d 11h35m10s	LOAD DB : 找不到資料來源名稱且未指
2	2010y2m8d 11h35m10s	Please goto "Settings/Database..."
3	2010y2m8d 11h35m10s	
4	2010y2m8d 11h59m57s	

Add user

User name: zy-00-C0-9F-9B-C6

Password: zyxeltp

Group:

Address:

Cash prepaid: 0 Cents

Expiry date:

Note: yyyy/mm/dd means expiry date; digit means valid days since first login; empty means never expired.

Others:

Prepaid user Postpaid user

Accounting method: Based on Time

OK Cancel



RADIUS Server認證查看

The screenshot shows the WinRadius application window with a menu bar (Operation, LOG, Advanced, Settings, View, Help) and a toolbar. The main area contains a log table with columns for ID, Time, and Message. The messages describe database loading issues, ODBC service failures, and successful user authentication for 'zy-00-C0-9F-9B-C6-F6'. The last two messages are highlighted with a red box.

ID	Time	Message
1	2010y2m8d 11h35m10s	LOAD DB : 找不到資料來源名稱且未指定預設的驅動程式
2	2010y2m8d 11h35m10s	Please goto "Settings/Database..." and create the ODBC for your RADIUS databa...
3	2010y2m8d 11h35m10s	Launch ODBC service failed.
4	2010y2m8d 11h59m57s	You have changed some important configuration variances, now you must rasta...
5	2010y2m8d 12h2m0s	Reason: Unknown username
6	2010y2m8d 12h2m0s	User (zy-00-C0-9F-9B-C6-F6) authenticate failed.
7	2010y2m8d 12h2m32s	Add user successfully.
8	2010y2m8d 12h2m39s	User (zy-00-C0-9F-9B-C6-F6) authenticate OK.

OK