How to Useful Configurations for Mikrotik Power Users(for 5-Ducks)
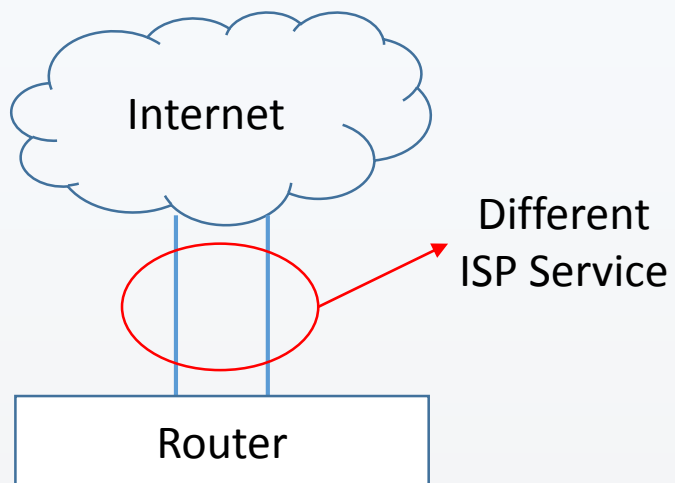
Presenter Yang Hui Jun

TRUE NETWORKS
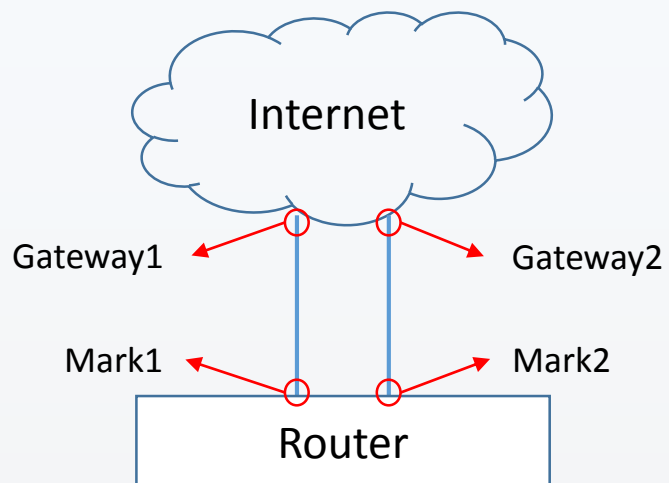CONNECT THE WORLD

1. Sample Diagram

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2. 2WAN(Multi WAN)

Internet

Different
ISP Service

Router
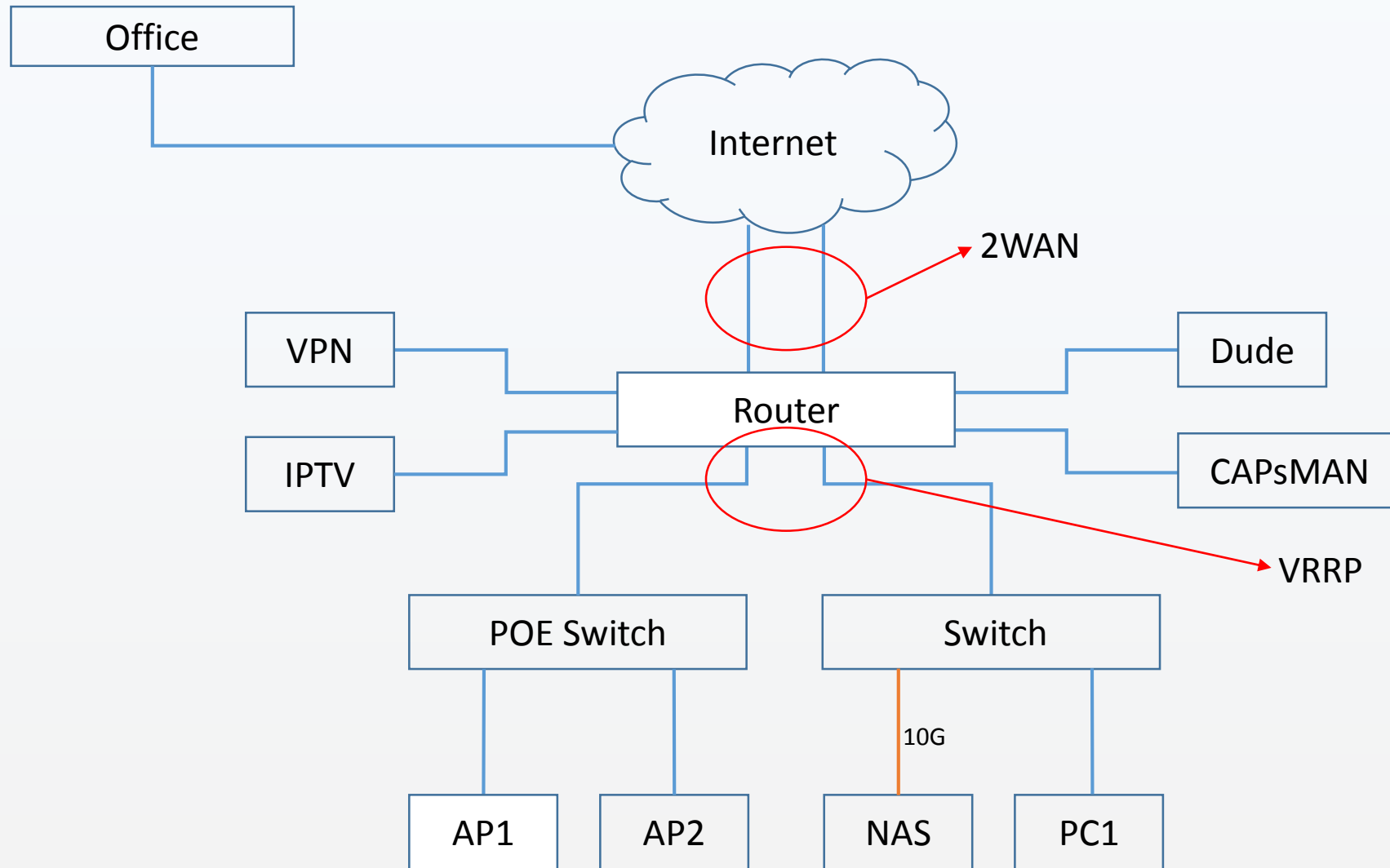
If you provide service two or many

internet service for ISP.

You can be use services at once.

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2. 2WAN(Multi WAN)

Setting Point

1. Firewall Mangle.

2. Mark Routing.

3. 2Gateway setting.

3. VPN

VPN

Networks

Your
Network
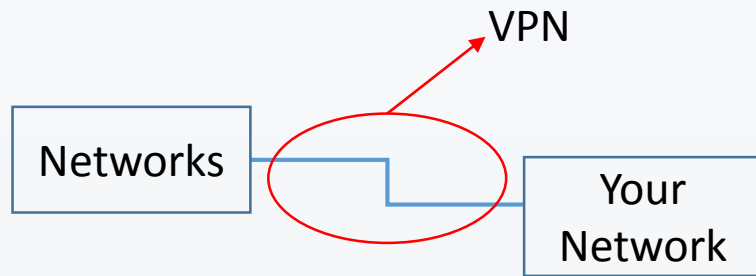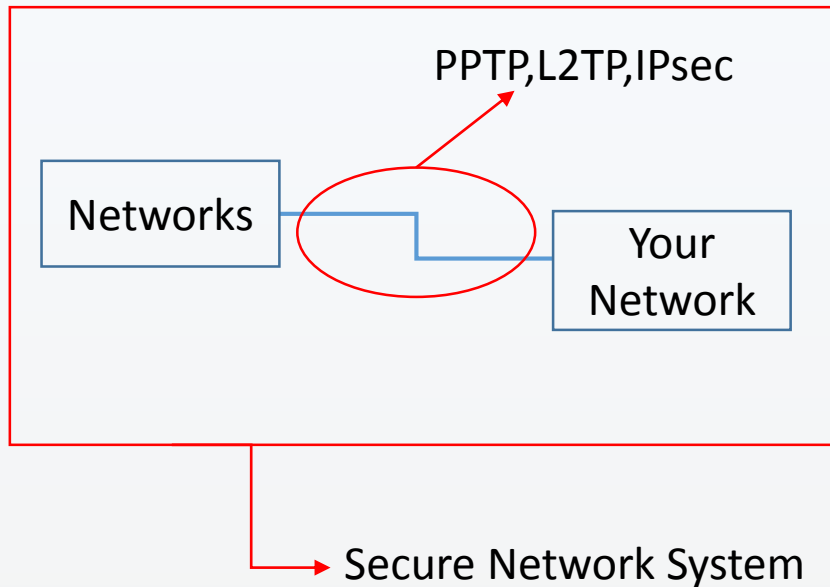
If you are using a secure network

for data protection.

You will be able to solve these problem

through the VPN service.

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3. VPN

PPTP,L2TP,IPsec
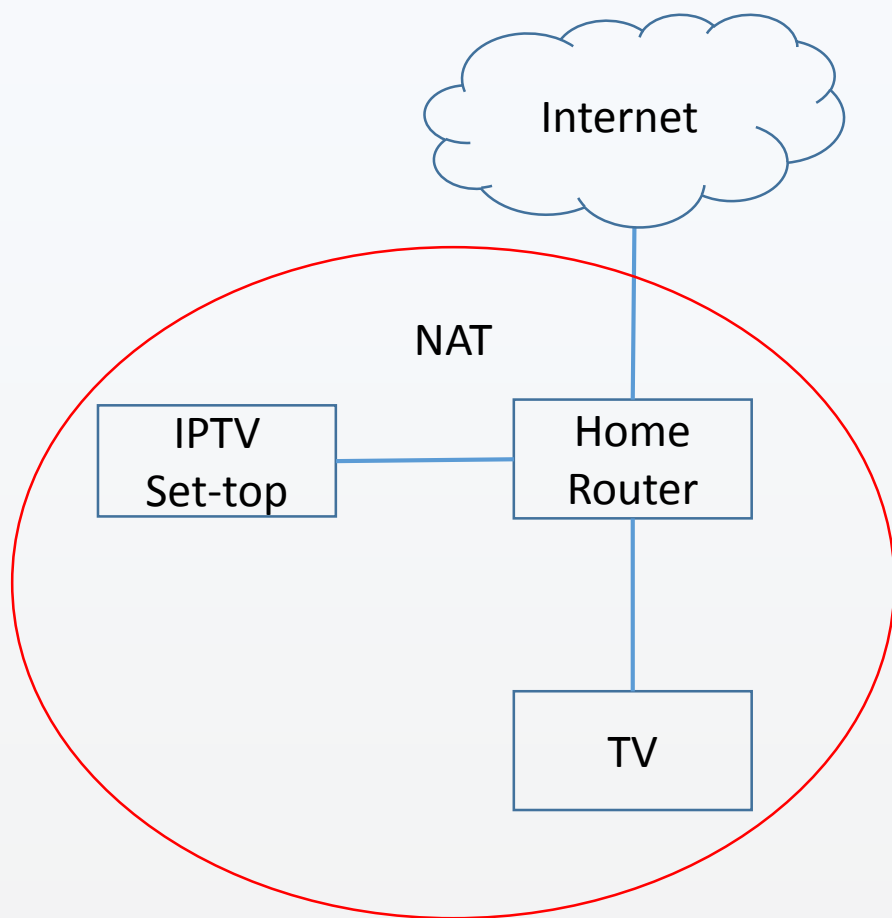
```
Networks --- Your Network
```

Secure Network System

Setting Point

1. Common Setting:
   PPP-> IP-Pool, Profile, Password

2. PPTP: No additional Settings.

3. L2TP: ipsec-secret, use-ipsec

4. IPsec: IP->IPsec
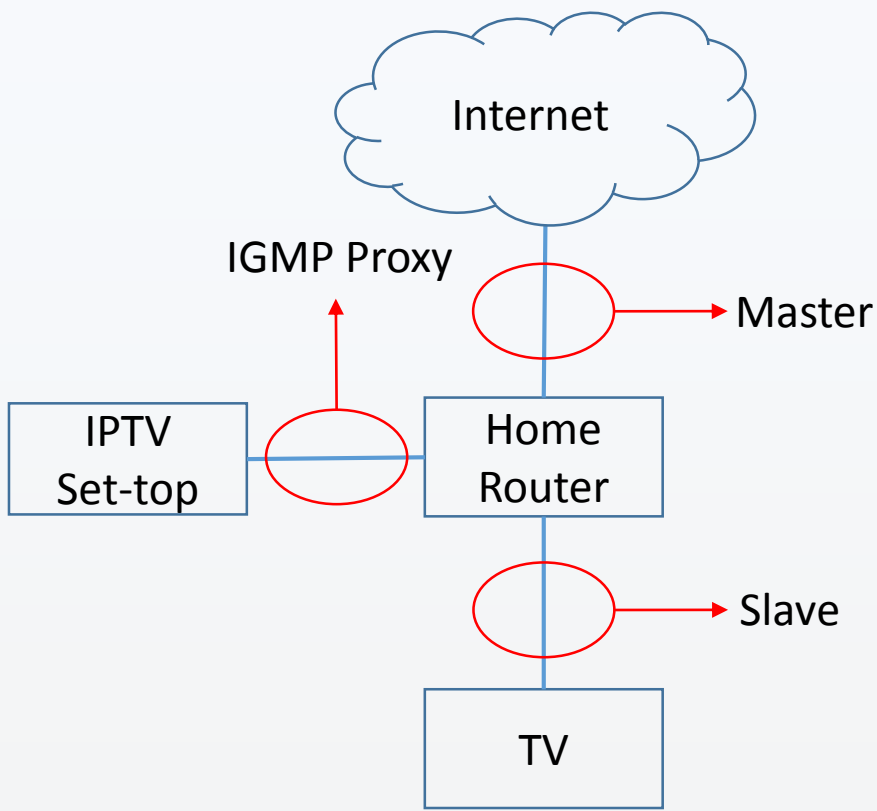   Proposals, Peers, ping to gateway.

Internet

NAT

IPTV Set-top

Home Router

TV

If you want to watch IPTV on an internal

network with NAT enabled.

You can do the following.

TRUE NETWORKS
CONNECT THE WORLD

4. IPTV in NAT

Internet

IGMP Proxy

Master

IPTV
Set-top

Home
Router

Slave

TV

Setting Point

1. Interface -> Master Port(WAN)
   Slave Port(Local)

2. IGMP Proxy

5. Dude in Router

Dude
Server

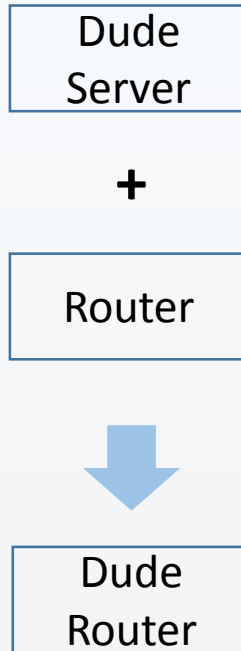**+**
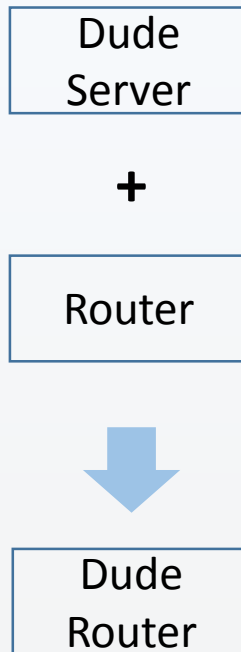
Router

Dude
Router

The existing Dude had to have a

Separate the Server.

But now it is now available on

 the Router.

- It can be hEX,RB3011,CCR,x86,CHR, Series and 1100 Dude Edition.
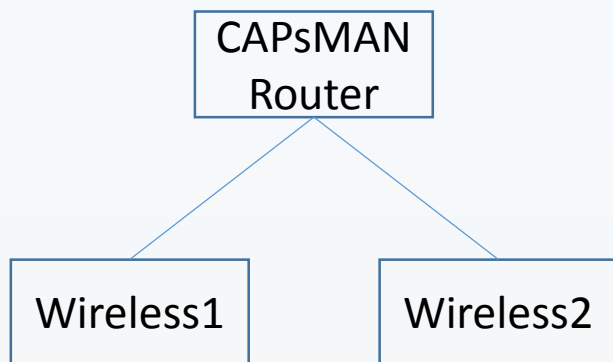
5. Dude in Router

Dude
Server

+

Router

Dude
Router

Setting Point

1. Download MMIPS Architecture.

2. Package Upload.

3. (Optional) If you need lots of storage
   space for network management.
   it can be additional storage on your
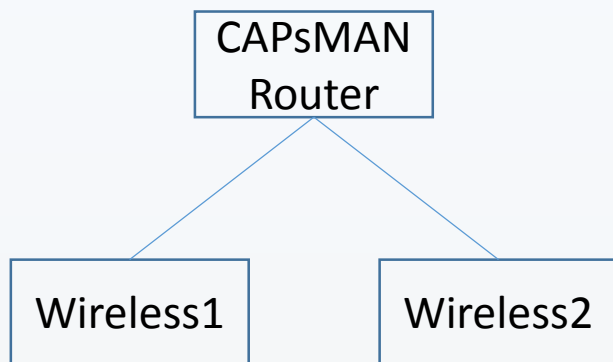   Device.

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6. CAPsMAN

CAPsMAN Router

Wireless1   Wireless2

If you want to manage multiple wireless Networks and channels at once.

You can use the CAPsMAN function.

TRUE NETWORKS
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6. CAPsMAN

```
CAPsMAN
 Router
   /    \
Wireless1  Wireless2
```
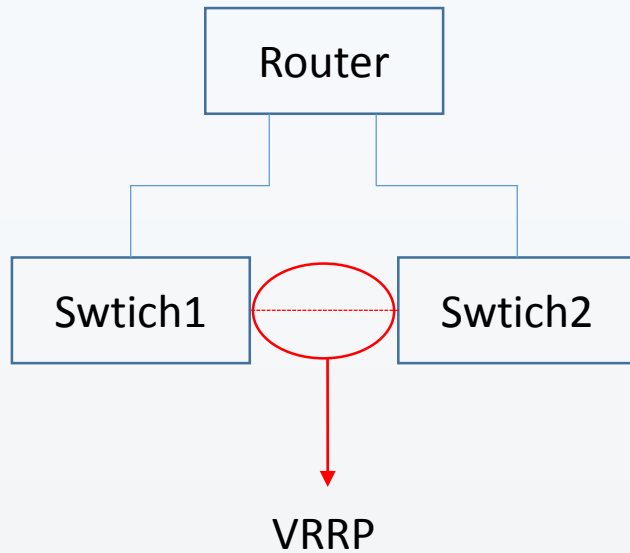
Setting Point

1. Download Wireless CM-2 Package.

2. Create Bridge and DHCP
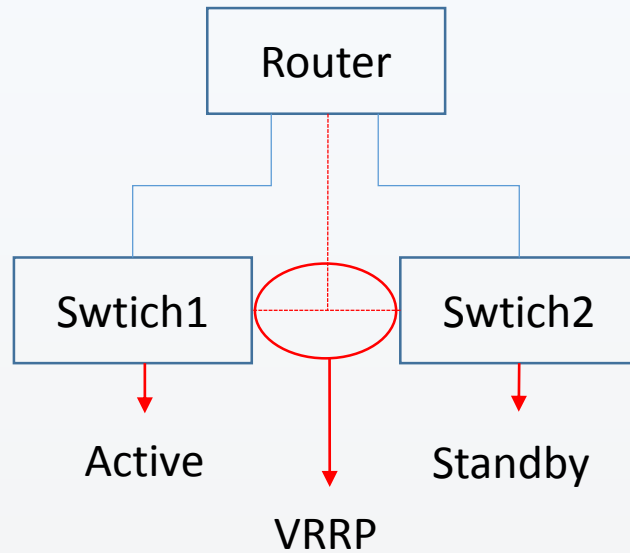
3. Generate CA.

4. Exchange CA Key and Connection

7. VRRP

Router

Swtich1   Swtich2

VRRP

If you are considering a redundancy

configuration for network stabilization

You can use the VRRP function.

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Router
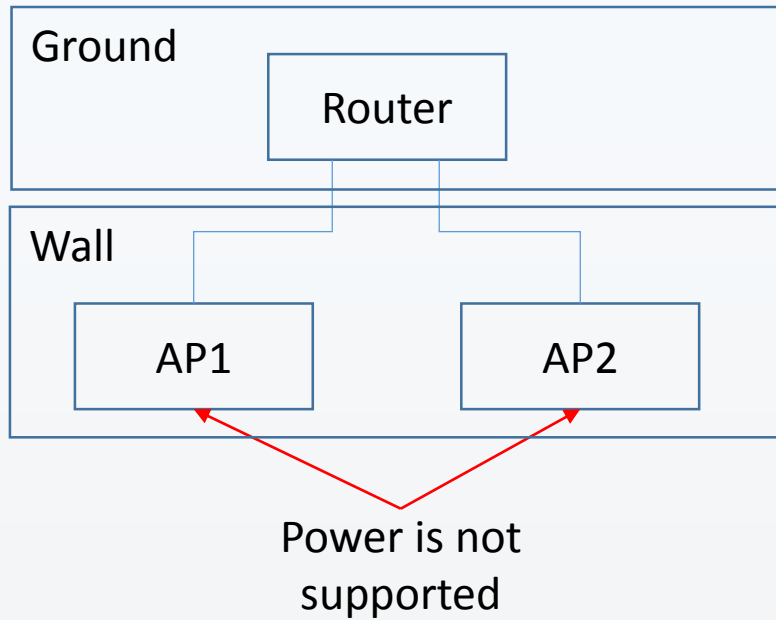
Swtich1   Swtich2

Active   Standby

VRRP

Setting Point

1. Each setting same VRRP address and ID.

2. In the case of load sharing setting,
    VRRP address and ID are set twice,
    and the maximum value of the priority
    is different for each switch.

8. POE

Ground
┌─────────────────┐
│   Router   │
└─────────────────┘

Wall

┌──────────┐   ┌──────────┐
│   AP1   │   │   AP2   │
└──────────┘   └──────────┘

Power is not
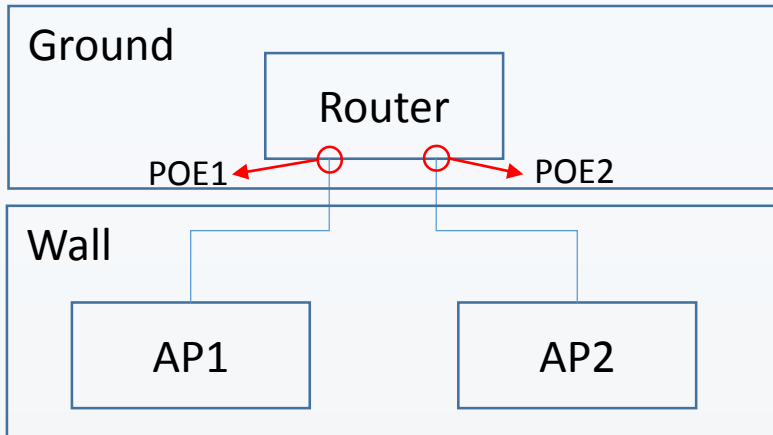supported

If you want to install an AP in a situation

where you can not power it on.

You can use POE to solve the problem.

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CONNECT THE WORLD

8. POE

Ground

```
      ┌──────────────┐
      │    Router    │
      └──────────────┘
POE1  ←        →  POE2
```

Wall

```
┌──────────┐      ┌──────────┐
│   AP1    │      │   AP2    │
└──────────┘      └──────────┘
```
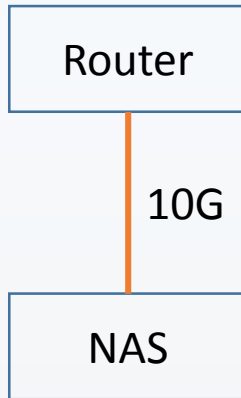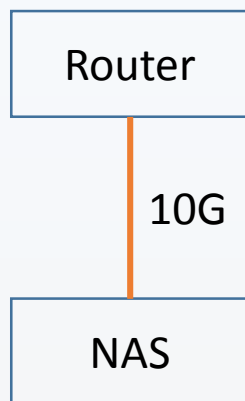
Setting Point

1. POE in Interface ethernet option.

2. Ether1 is default POE.

- This feature is supported RB450,750 ,800 Series.

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Router

10G

NAS

If you want to improve NAS performance,

we recommend router configuration

using 10G.

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9. 10G NAS

Router

10G

NAS

Setting Point

1. 10G Supported NAS.

2. 10G Supported Router.

• This feature is supported CCR and CRS 10GSeries.

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Q&A

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