

VPN direct connection eWON 2005 to eWON2005

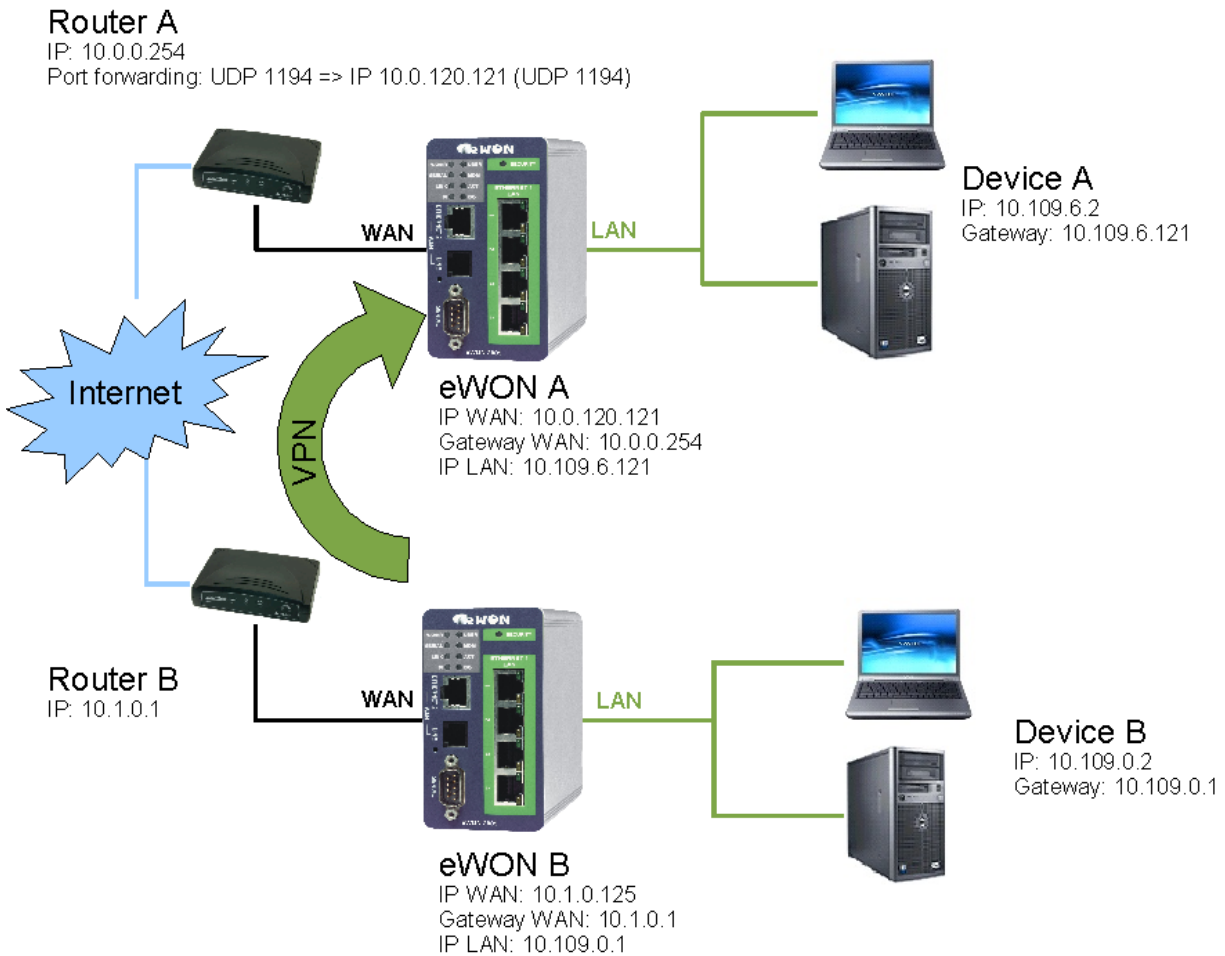
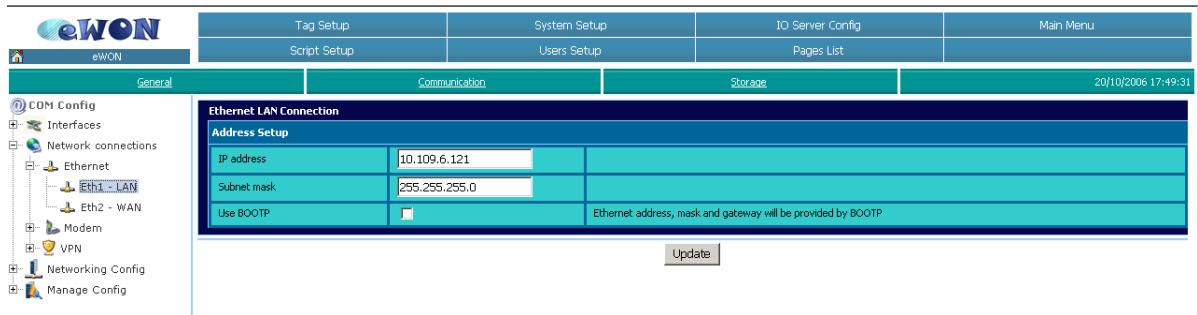


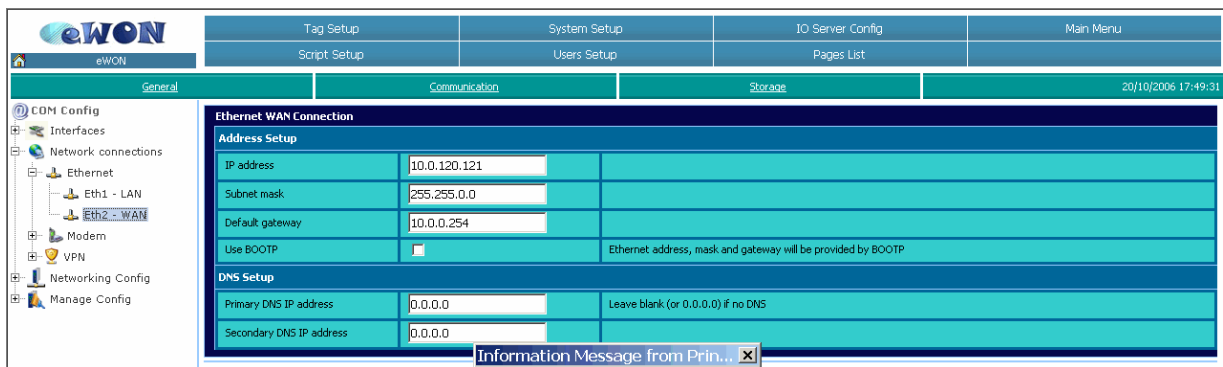
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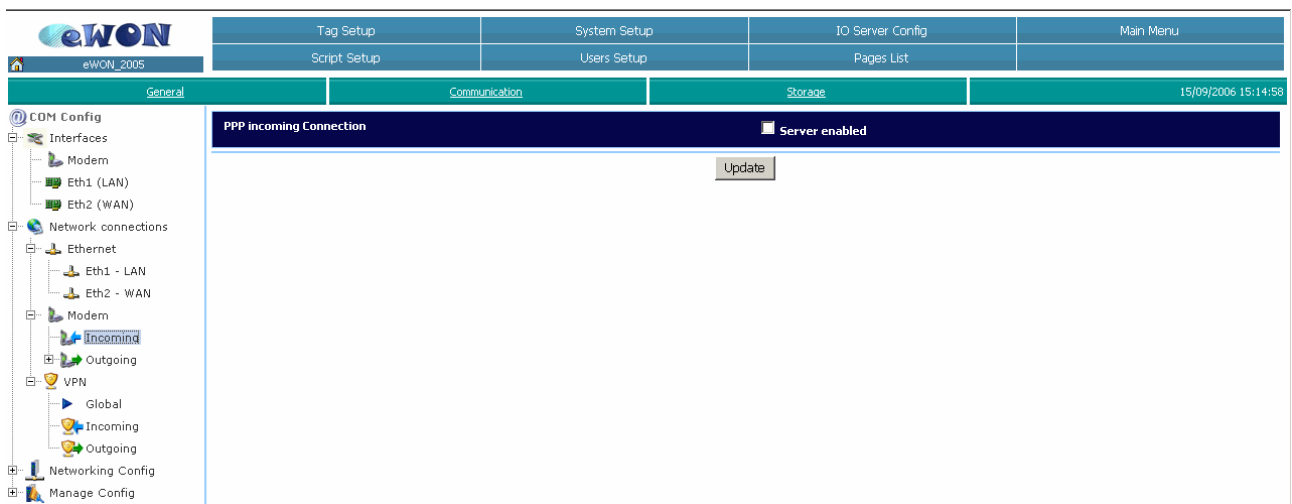
1 Configuration of eWON A



- Set eWON Lan IP Address



- Set eWON WAN IP Address
 - The default gateway should be the IP address of the ADSL router of eWON A



- Don't enable the PPP incoming connection

The screenshot shows the 'PPP outgoing Connection' configuration page. The 'Enabled' checkbox is checked, and there is an 'Update' button below the configuration area.

- Don't enable the PPP outgoing connection

The screenshot shows the 'VPN Connection configuration' page under 'Advanced options'. The 'Port In' is set to 0, 'Port Out' is 1194, and 'Keep alive' interval is 120 seconds. There is an 'Update' button at the bottom.

- Adapt the UDP port used for the Incoming VPN connection if needed

The screenshot shows the 'Accept incoming VPN connection configuration' page. The 'Listen for incoming VPN connection' checkbox is checked. Other parameters include 'Passphrase', 'VPN Ip addresses config' (Automatic), 'Local VPN IP address' (10.254.0.2), and 'Remote VPN IP address' (10.254.0.1). There is an 'Update' button at the bottom.

- Check «listen for incoming VPN connection»

- Enter a Passphrase (and remember the Passphrase !!)
- Assign the VPN IP address: automatic or manual

Establish outgoing VPN connection configuration

VPN activation rule
The VPN activation rule is normally defined in [Networking Config](#) (duplicated here for simplicity)

Establish VPN connection During Internet connections

Remote VPN WAN address or name

| | | |
|------------------|--|------------------------------------|
| Primary server | | Remote IP address or name |
| Secondary server | | Leave empty if no secondary server |

Connect to...: Other eWON

Passphrase:

VPN IP addresses config: Automatic

| | |
|-----------------------|------------|
| Local VPN IP address | 10.254.0.1 |
| Remote VPN IP address | 10.254.0.2 |

Update

- Uncheck the Establish VPN connection

Internet connection setup

Internet access

| | |
|---------------------|-------------------------------------|
| Network connection | Ethernet WAN connection |
| Maintain connection | <input checked="" type="checkbox"/> |

Publish WAN IP address

| | | |
|---------------------|-----------|--|
| Publish IP address | Disabled | Configure publish IP address |
| Re-publish interval | 0 minutes | 0 for publication only at initial connection |

"On demand" Internet connection

Accept dial on demand from **NO ONE EXCEPT** from:

Accept dial on demand from **ANYONE EXCEPT** from:

| | | |
|----------|---------------|-------------|
| IP Range | From: 0.0.0.0 | To: 0.0.0.0 |
| IP Range | From: 0.0.0.0 | To: 0.0.0.0 |
| IP Range | From: 0.0.0.0 | To: 0.0.0.0 |
| IP Range | From: 0.0.0.0 | To: 0.0.0.0 |

Update

- Select «Ethernet Wan connection» for the Network connection
- Check «Maintain connection»
- Disable the Publish WAN IP address
- Choose «Accept dial on demand from NO ONE»

The screenshot shows the eWON web interface with the 'VPN network setup' page selected. The left sidebar contains a tree view with categories like 'COM Config', 'Interfaces', 'Network connections', 'VPN', and 'Networking Config'. The 'VPN' category is expanded, showing 'Global', 'Incoming', and 'Outgoing' sub-items. The main content area is titled 'VPN network setup' and contains a section for 'VPN use conditions'. Under 'During Internet connection:', there are three radio button options: 'Disable VPN', 'Listen for incoming VPN from client' (which is selected), and 'Establish outgoing VPN to server'. An 'Update' button is located below the configuration area.

- Choose : «Listen for incoming VPN from client»

The screenshot shows the eWON web interface with the 'Routing setup' page selected. The left sidebar is similar to the previous screenshot, but the 'Routing' category is expanded. The main content area is titled 'Routing setup' and contains a section for 'Special rules'. There are two rows of configuration: the first row has 'Route all gateway traffic through VPN' checked and 'When VPN interface is active'; the second row has 'Apply NAT and TF to connection' set to 'NAT and TF disabled'. A note below states 'These changes will be effective from next WAN connection'. An 'Update' button is located at the bottom.

- Enable «Route all gateway traffic through VPN»
 - Select «Nat and TF disabled»

The screenshot shows the eWON web interface with the following structure:

- Top navigation: Tag Setup, System Setup, IO Server Config, Main Menu
- Secondary navigation: Script Setup, Users Setup, Pages List
- Page tabs: General, Communication, Storage
- Left sidebar: COM Config, Interfaces (Modem, Eth1 (LAN), Eth2 (WAN)), Network connections (Ethernet, Modem, Incoming, Outgoing, Global, Server1, Server2), VPN (Global, Incoming, Outgoing), Networking Config (Internet Connection, VPN Connection, Publish IP Address, Callback, Routing, Security, IP Services)
- Main content area: Networking security setup
 - WAN Protection**
 - WAN Protection level
 - Discard all traffic excepted VPN and initiated traffic (ex: EMail)
 - Discard all traffic excepted VPN and initiated traffic (ex: EMail) and ICMP (Ping)
 - Allow all traffic on WAN connection (no protection)
 - Transparent Forwarding**
 - Require authentication for Transparent Forwarding:
- Message: These changes will be effective from next WAN connection
- Update button

- Wan Protection level: select «Allow all», and perhaps fine tune later to «Discard all traffic excepted VPN and initiated traffic»

2 Configuration of eWON B

The screenshot shows the eWON web interface with the 'Communication' tab selected. The 'Ethernet LAN Connection' configuration page is displayed. The 'Address Setup' section contains the following fields:

| Address Setup | |
|---------------|---|
| IP address | 10.109.0.1 |
| Subnet mask | 255.255.255.0 |
| Use BOOTP | <input type="checkbox"/> Ethernet address, mask and gateway will be provided by BOOTP |

An 'Update' button is located below the configuration fields.

- Set eWON LAN IP Address

The screenshot shows the eWON web interface with the 'Communication' tab selected. The 'Ethernet WAN Connection' configuration page is displayed. The 'Address Setup' section contains the following fields:

| Address Setup | |
|-----------------|---|
| IP address | 10.1.0.125 |
| Subnet mask | 255.255.255.0 |
| Default gateway | 10.1.0.1 |
| Use BOOTP | <input type="checkbox"/> Ethernet address, mask and gateway will be provided by BOOTP |

The 'DNS Setup' section contains the following fields:

| DNS Setup | |
|--------------------------|--|
| Primary DNS IP address | 0.0.0.0 Leave blank (or 0.0.0.0) if no DNS |
| Secondary DNS IP address | 0.0.0.0 |

An 'Update' button is located below the configuration fields.

- Set eWON WAN IP Address

- The default gateway should be the IP address of the ADSL router of eWON B

The screenshot shows the eWON web interface with the 'Communication' tab selected. The 'PPP incoming Connection' configuration page is displayed. The 'Server enabled' checkbox is checked.

An 'Update' button is located below the configuration fields.

- Don't enable the PPP incoming connection

The screenshot shows the eWON web interface with the 'Communication' tab selected. The left sidebar shows a tree view with 'Outgoing' expanded to 'Global'. The main content area is titled 'PPP outgoing Connection' and has a checkbox labeled 'Enabled' which is checked. An 'Update' button is visible below the checkbox.

- Don't enable the PPP outgoing connection

The screenshot shows the eWON web interface with the 'Communication' tab selected. The left sidebar shows a tree view with 'VPN' expanded to 'Outgoing'. The main content area is titled 'VPN Connection configuration' and has a sub-section 'Advanced options'. It contains a table with the following data:

| | | |
|----------------------|-------------|-----------------------------------|
| Diagnosis level | None | Diagnosis goes to 'Real time log' |
| Port In | 0 | |
| Port Out | 1194 | |
| keep alive' interval | 120 seconds | 0 = disable Keep alive. |

An 'Update' button is located below the table.

- Adapt the UDP port used for the outgoing VPN connection if needed

The screenshot shows the eWON web interface with the 'Communication' tab selected. The left sidebar shows a tree view with 'VPN' expanded to 'Incoming'. The main content area is titled 'Accept incoming VPN connection configuration' and has a sub-section 'VPN activation rule'. It contains a table with the following data:

| | | |
|------------------------------------|--------------------------|-----------------------------|
| Listen for incoming VPN connection | <input type="checkbox"/> | During Internet connections |
|------------------------------------|--------------------------|-----------------------------|

Below this is the 'Incoming VPN connection parameters' section with a table:

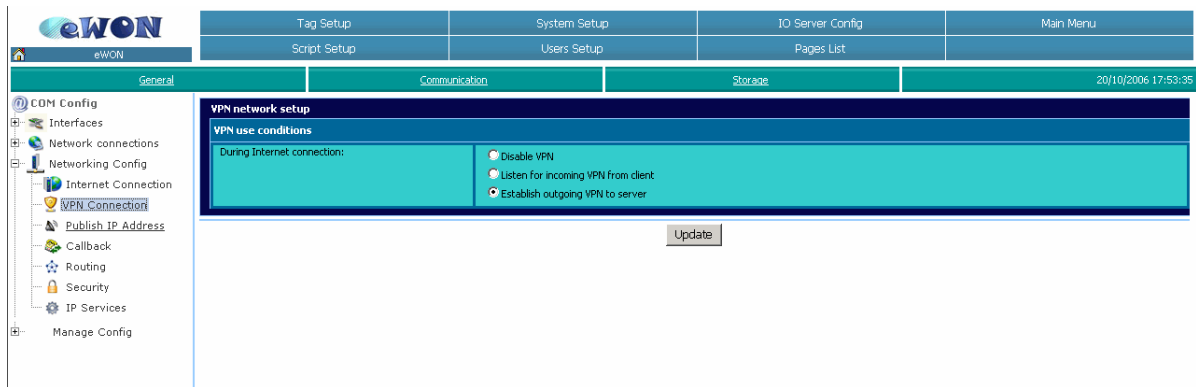
| | | |
|-------------------------|------------|--|
| Passphrase | | |
| VPN Ip addresses config | Automatic | |
| Local VPN IP address | 10.254.0.2 | |
| Remote VPN IP address | 10.254.0.1 | |

An 'Update' button is located below the table.

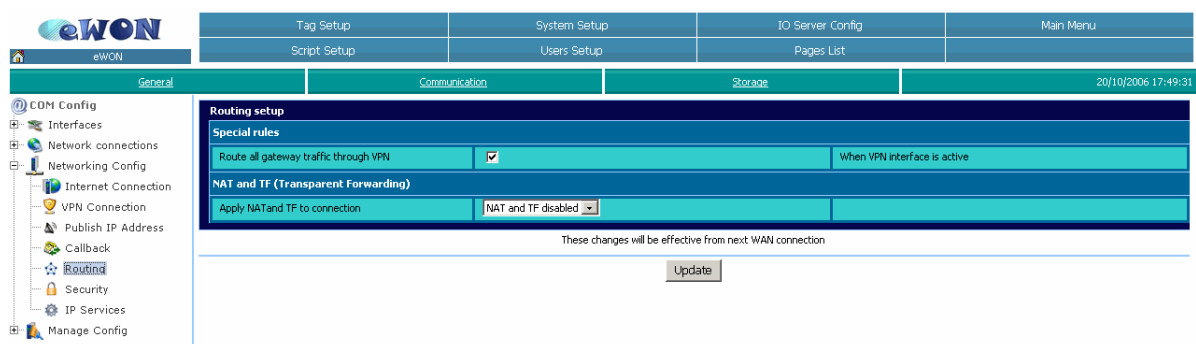
- Don't enable «Listen for incoming VPN connection»

- Enable «Establish VPN connection»
- For the «Primary server» enter the public IP address of the ADSL Router of eWON A
- Select «Other eWON» for the «Connect to...:»
- Passphrase: enter the Passphrase you configured for eWON A
- Assign the VPN IP address: automatic or manual

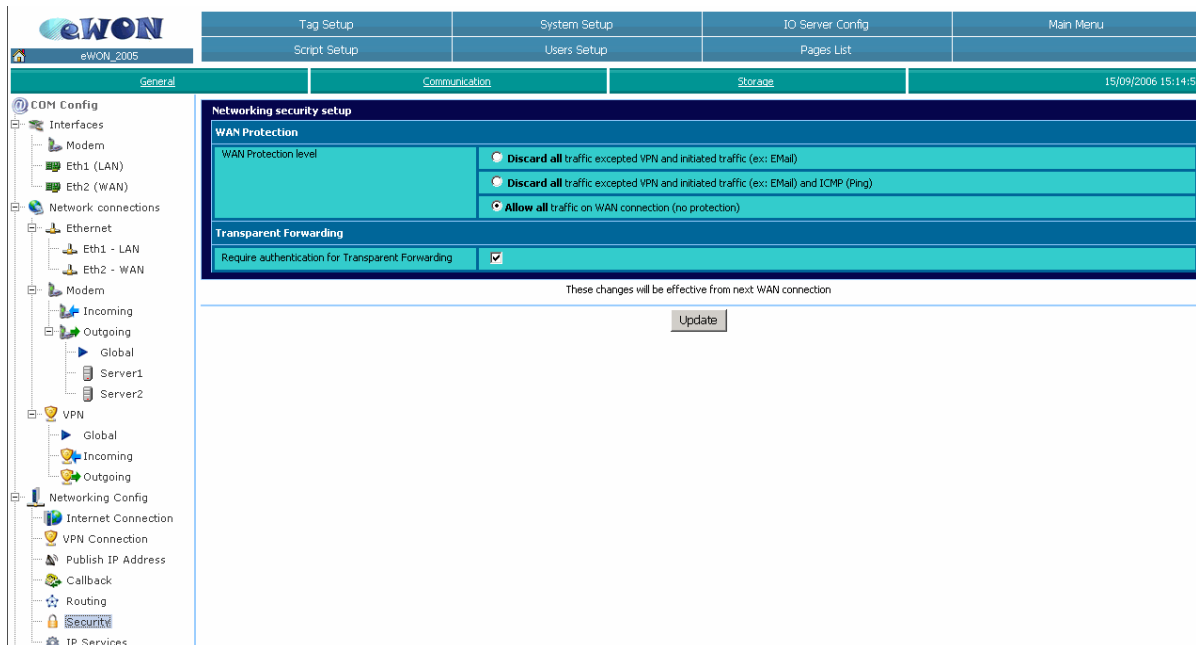
- Select «Ethernet Wan connection» for the Network connection
- Check «Maintain connection»
- Disable the Publish WAN IP address
- Choose «Accept dial on demand from NO ONE»



- Choose : «Establish outgoing VPN to server»



- Enable «Route all gateway traffic through VPN»
 - Select «Nat and TF disabled»



- Wan Protection level: select «Allow all», and perhaps fine tune later to «Discard all traffic excepted VPN and initiated traffic»

3 Router configuration

You will have to configure the ADSL router of the eWON A to make port forwarding.
(router A)

For example if you use the eWON standard VPN config you will have to define that all the incoming packets on UDP port 1194 will have to be redirect to the WAN IP address of your eWON2005 (eWON A) at UDP port 1194. (Attention: UDP port \leftrightarrow TCP port)

On router B we don't need to configure port forwarding.

4 Configuration of the devices connected to the eWON 2005 LAN Network

- All the devices connected to the LAN of eWON A must have as Gateway the LAN IP address of eWON A.
- All the devices connected to the LAN of eWON B must have as Gateway the LAN IP address of eWON B.