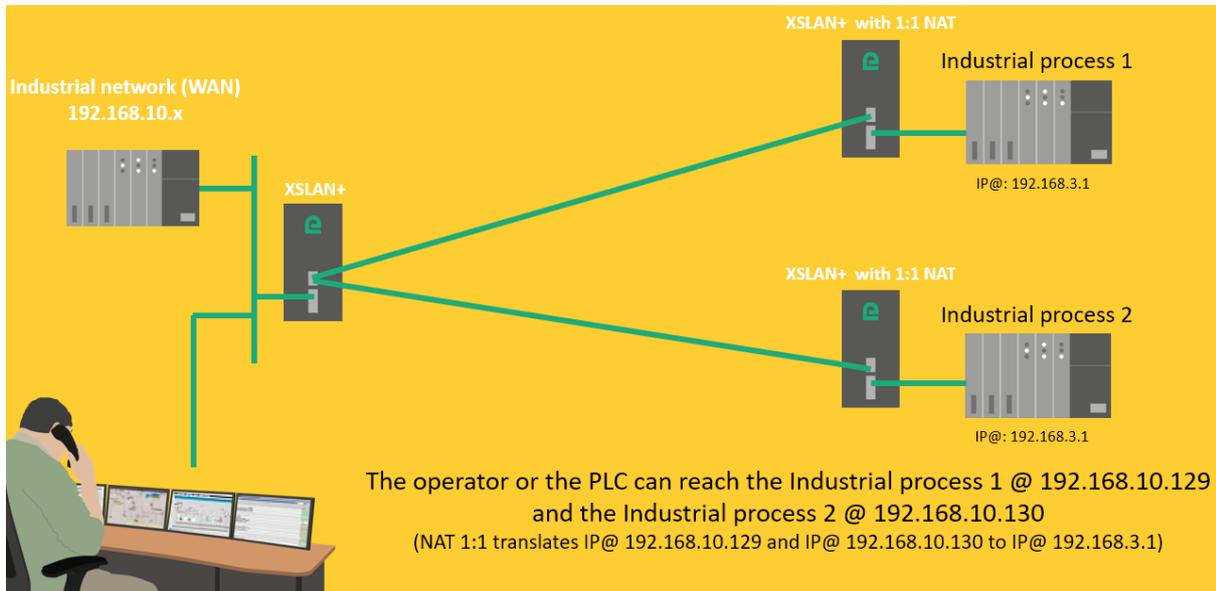


Application note

Starting with 1:1 NAT

- The 1:1 NAT solution
- Configuring the 1:1 NAT
- Hotline support during your test
- Virtual showroom

Latest update **09/14/2018**



1) THE 1:1 NAT SOLUTION

The 1:1 NAT solution makes it easy to connect several machines to an industrial network without modifying the factory IP address of each machine (see the block diagram on page 1).

It is sufficient to insert between each machine and the industrial network an XS+ configured for an address translation (NAT).

2) CONFIGURING THE 1:1 NAT

- **For the Industrial process #1**

In the « Setup » section, select « IP protocol and routing > 1:1 NAT > Add/Edit a 1:1 NAT rule » enter the 2 IP@ to set up the translation (ex: @ 192.198.10.129 translated to @ 192.168.3.1).

XSLAN+2220 SHDSL.bis switch

> Home > Setup > IP protocol and routing > 1:1 NAT > Add/Edit a 1:1 NAT rule

Save Cancel Page has unsaved changes

| | |
|----------------------|-------------------------------------|
| Enabled | <input checked="" type="checkbox"/> |
| WAN IP to add | 192.198.10.129 |
| LAN IP to map on WAN | 192.168.3.1 |

Save Cancel Back

The SHDSL switch must also be configured in router mode and therefore have an IP address in each network as shown below:

XSLAN+2220 SHDSL.bis switch

> Home > Setup > IP protocol and routing > IP Protocol

Save Cancel Page has unsaved changes

LAN ports network

| | |
|---|--------------------------|
| Administration IP address | 192.168.3.21 |
| Netmask | 255.255.255.0 |
| Gateway | |
| Use a different address for the serial gateways | <input type="checkbox"/> |
| Enable IPv6 | <input type="checkbox"/> |

Routing between SHDSL and LAN

| | |
|-------------|-------------------------------------|
| Router mode | <input checked="" type="checkbox"/> |
|-------------|-------------------------------------|

SHDSL ports network

| | |
|----------------------------|--------------------------|
| IP address | 192.168.10.100 |
| Netmask | 255.255.255.0 |
| Enable IPv6 on SHDSL ports | <input type="checkbox"/> |

Save Cancel

- **For the Industrial process #2**

In the « Setup » section, select « IP protocol and routing > 1:1 NAT > Add/Edit a 1:1 NAT rule » enter the 2 IP@ to set up the translation (ex: @ 192.198.10.130 translated to @ 192.168.3.1).

XSLAN+2220 SHDSL.bis switch

> Home > Setup > IP protocol and routing > 1:1 NAT > Add/Edit a 1:1 NAT rule

Save Cancel Page has unsaved changes

| | |
|----------------------|-------------------------------------|
| Enabled | <input checked="" type="checkbox"/> |
| WAN IP to add | 192.198.10.130 |
| LAN IP to map on WAN | 192.168.3.1 |

Save Cancel Back

The SHDSL switch must also be configured in router mode and therefore have an IP address in each network as shown below:

XSLAN+2220 SHDSL.bis switch

> Home > Setup > IP protocol and routing > IP Protocol

Save Cancel Page has unsaved changes

LAN ports network

| | |
|---|--------------------------|
| Administration IP address | 192.168.3.21 |
| Netmask | 255.255.255.0 |
| Gateway | |
| Use a different address for the serial gateways | <input type="checkbox"/> |
| Enable IPv6 | <input type="checkbox"/> |

Routing between SHDSL and LAN

Router mode

SHDSL ports network

| | |
|----------------------------|--------------------------|
| IP address | 192.168.10.101 |
| Netmask | 255.255.255.0 |
| Enable IPv6 on SHDSL ports | <input type="checkbox"/> |

Save Cancel

3) HOT LINE SUPPORT DURING YOUR TEST

Feel free to contact +33 4 76 04 20 05 or hotline@etictelecom.com.

4) VIRTUAL SHOWROOM (AVAILABLE FROM THE WEBSITE HOME PAGE)

By surfing on our WEB site www.etictelecom.com (Support/Virtual Showroom) you can learn how to configure most of our products.

The following login and password may be requested: login: "etic", password: "demo".

The screenshot shows the Etic Telecom website's virtual showroom. At the top left is the Etic Telecom logo with the tagline 'industrial networking'. To the right of the logo are navigation links: 'Qui sommes-nous?', 'Produits', 'Solutions', 'Support', 'Actualités', and 'Contact'. A green button labeled 'Espace client' is on the far right. Below the navigation is a green banner with the text 'SHOWROOM VIRTUEL' and 'Accédez à l'ensemble des produits Etic Telecom.' Below the banner are two dropdown menus. The first menu, titled 'Sélectionnez une gamme de produits', has three options: 'Boitiers d'Accès Machines (gamme RAS)', 'Routeurs (gamme IPL)', and 'Extenseurs d'Ethernet (gamme XS+)'. The second menu, titled 'Sélectionnez un produit', has two options: 'IPL-E / Routeur Firewall pour Intranet' and 'IPL-DAC / Routeur ADSL avec backup Cellulaire'. The second option is highlighted in blue.



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