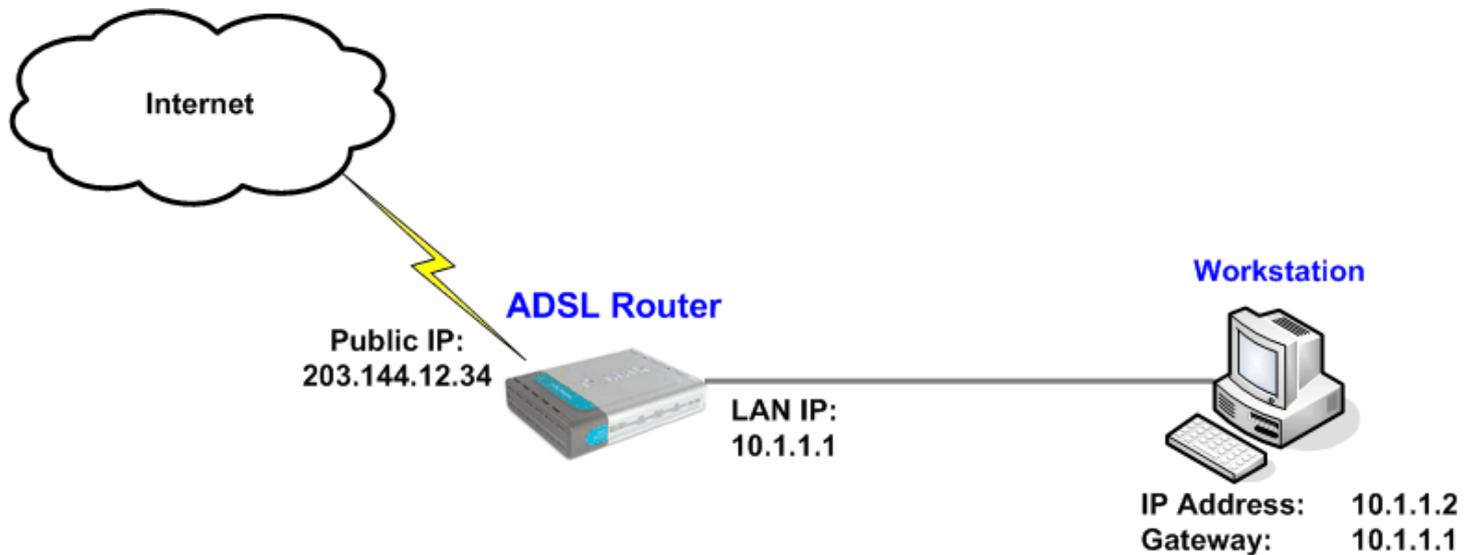


## How to open ports in the DSL router firmware version 1.x



This example shows how to open port 3389 (which is used by Remote Desktop service) in the DSL router running firmware version 1.x. You need to find out what ports your application is using. For example WEB server (HTTP) is using port 80 TCP, PCAnywhere uses ports 5631 TCP and 5632 UDP, etc.

### **Step 1. Set your computer with static IP address.**

Note that the computer you are trying to redirect the traffic to should have static IP address. In our example the computer is set with 10.1.1.2 address. The Default Gateway should also be specified (it should be the router's LAN address: 10.1.1.1).

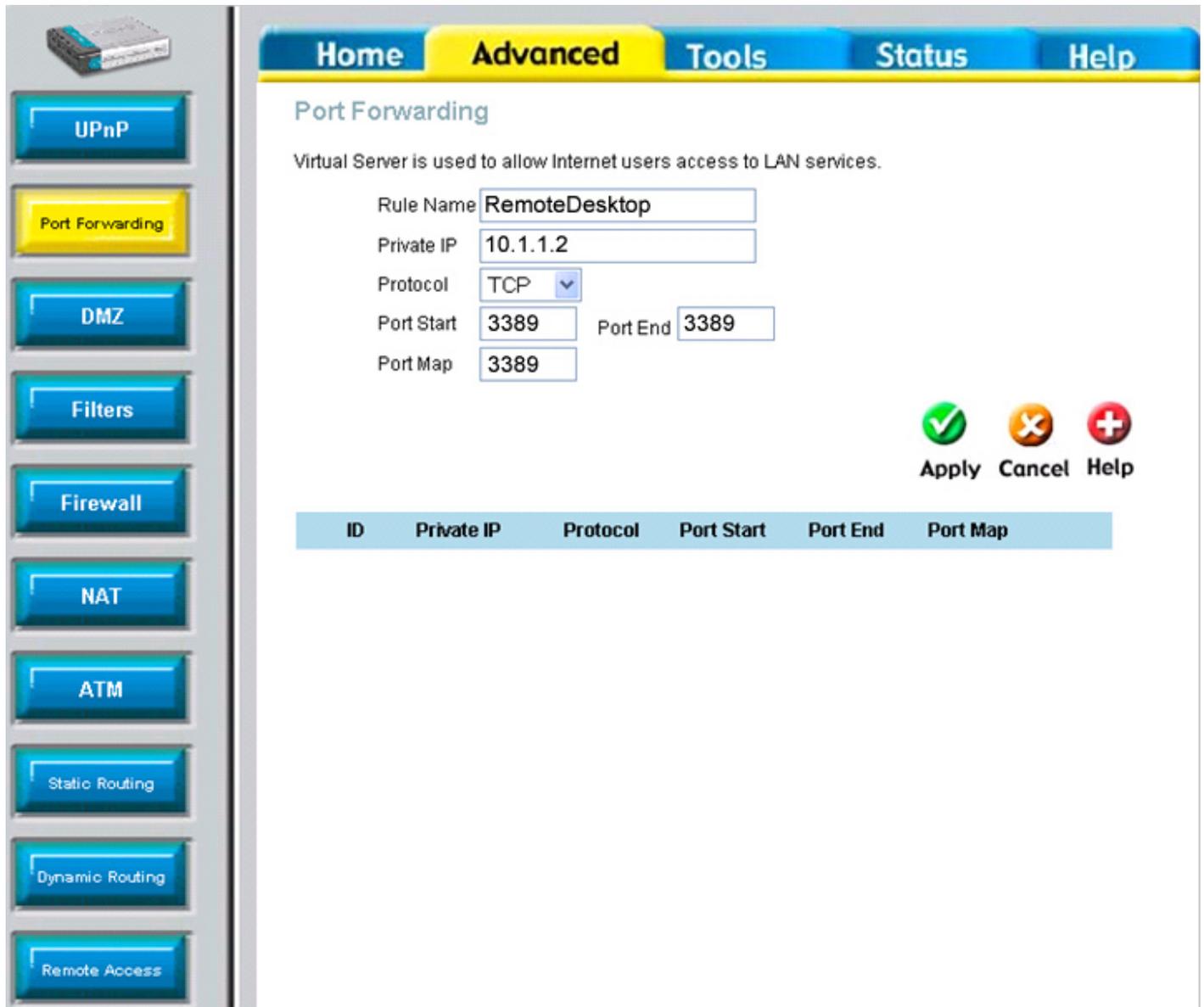
### **Step 2. Log into your router.**

In order to login to the router start your Internet browser (e.g. Internet Explorer). Ensure that any proxy settings are disabled (in IE look under: Tools > Internet Options > Connection > LAN Settings). Then type the IP address of the router (the default IP address is 10.1.1.1) into the Location (for Netscape) or Address (for IE) field and press "Enter" For example: `http://10.1.1.1`. After the connection is established, you will be prompted to enter username (the factory setting is "admin") and system password (the factory setting is "admin").

### Step 3. Opening ports.

Go to [Advanced](#) > [Port Forwarding](#). Enter the name for this entry under [Rule Name](#).

Under Private IP enter the IP address of the computer you want to redirect the necessary traffic to (the one you have setup in Step 1). Then select the necessary protocol (on our case it is TCP). If there is a range of ports to open, specify the starting port under [Port Start](#) and the ending port under [Port End](#). If you need to open just one port (like in our example), specify this port in all fields including the [Port Map](#). Click [Apply](#).



The screenshot shows a router's web interface with the 'Advanced' tab selected. The 'Port Forwarding' section is active, displaying the following configuration:

- Rule Name: RemoteDesktop
- Private IP: 10.1.1.2
- Protocol: TCP
- Port Start: 3389
- Port End: 3389
- Port Map: 3389

Below the configuration fields are three buttons: Apply (green checkmark), Cancel (orange X), and Help (red plus).

ID	Private IP	Protocol	Port Start	Port End	Port Map
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#### **Step 4. Saving settings.**

To save the new settings into the router's memory go to [Tools > Save & Reboot](#). Click on [Reboot](#) button. The router will save the settings and restart.

Now users on the Internet who will be accessing your public IP (in our example it is 203.144.12.34) using the certain application which utilises the specified ports (Remote Desktop with port 3389 in our example), will be redirected to the specific computer on your LAN.

Please note that from inside your LAN you will not be able to access your server using its public IP address (WAN IP on the router, e.g. 203.144.12.34). You need to use its local IP address instead (10.1.1.2).

Be aware that many Internet Providers are blocking commonly used ports like 80 and 21, hence you will not be able to host a WEB site or FTP site even if you will open the necessary ports in the router.

~ End of document ~