



Cisco 678 Configurations

This page has the basic configuration steps for the Cisco 678 DSL modem. For advanced configuration, please call Cloudnet for technical support.

PPP/NAT
PPP/Subnet Routing

PPP/NAT:

This is the preferred configuration. It offers the best security and allows for multiple computers on the same connection. If the DSL modem is going to be hooked up to one computer, use the yellow cross cable supplied with the DSL modem. To set up multiple computers, hook your DSL modem up to an ethernet hub with a regular ethernet cable (not the yellow cross cable that comes with the modem) and then hook all of the PCs to the hub.

```
(log in)
enable
set nvram erase
set password exec <PASSWORD>
set password enable <PASSWORD>
write
reboot
(log in)
enable
set dhcp server enabled
set dhcp server pool 0 dns 209.188.96.2
set dhcp server pool 0 sdns 209.188.96.3
set dhcp server pool 0 ip 10.0.0.10
set nat enabled
set ppp wan0-0 ipcp 0.0.0.0
set ppp wan0-0 login D<USERNAME>
set ppp wan0-0 password <PASSWORD>
show int wan0-0
set int wan0-0 disable
set int wan0-0 vpi 0
set int wan0-0 vci 32
set int wan0-0 enable
set ppp restart enabled
set rip disabled
set web disabled
set web port 60000
set web remote 127.0.0.1
write
reboot
```

Computer Configuration:

Make sure that the ethernet card and TCP/IP is installed correctly. Set TCP/IP up to obtain an IP address automatically. The DHCP server in the Cisco 678 will automatically assign the IP address, default gateway and the DNS servers .

(Over)

PPP/Subnet Routing:

This configuration will allow the set up of multiple machines with a real world IP addresses from a block of addresses assigned to you by Cloudnet. Each machine will be "pingable" from the world so it is important to check the security settings on each computer. The DSL modem should be plugged into a hub with a standard ethernet cable, not the yellow cross cable that is supplied with the DSL modem.

```
(log in)
enable
set nvram erase
set password exec <PASSWORD>
set password enable <PASSWORD>
write
reboot
(log in)
enable
set ppp wan0-0 ipcp 0.0.0.0
set ppp wan0-0 login D<USERNAME>
set ppp wan0-0 password <PASSWORD>
show int wan0-0
set int wan0-0 disable
set int wan0-0 vpi 0
set int wan0-0 vci 32
set int wan0-0 enable
set int eth0 address <ASSIGNED ADDRESS>
set int eth0 netmask <ASSIGNED NETMASK>
set ppp restart enabled
set rip disabled
set web disabled
set web port 60000
set web remote 127.0.0.1
write
reboot
```

Computer configuration:

Make sure that the ethernet card and TCP/IP is installed correctly. Assign the machine an IP address from the block of IP addresses that Cloudnet assigned to you. Set the default gateway on the computers to the IP address of the Cisco 678. Set the DNS servers.

If you have any questions, please call us at **240-8243**, or email [*info@cloudnet.com*](mailto:info@cloudnet.com)
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