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## Network

<https://campus.barracuda.com/doc/73718989/>

The box layer network subsystem of the Barracuda CloudGen Firewall and Control Center provide all basic features related to network connectivity, such as WAN connections, network traffic, routing, or VLAN.

### Connecting to the Internet - WAN Connections

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The CloudGen Firewall supports various types of Internet connections. If multiple ISP connections are used, the firewall offers granular control over link and loadbalancing either on a per-access rule basis or via route metric. You can configure the following Internet connections:

- Static IP addresses
- Dynamic IP addresses (DHCP)
- xDSL with PPPoE and PPTP
- Wireless WAN using the external Barracuda USB Modem
- ISDN

For more information, see [WAN Connections](#)

### Routing

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Routing tables are used to store the best path to a remote network. The CloudGen Firewall uses the routing tables to forward traffic to the correct interfaces, next hop gateways, or VPN tunnels. The destination, route metric, and source address (optional) of an IP packet is used to determine which route matches and where the packet is forwarded to.

For more information, see [Routing](#).

### VLAN

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VLANs allow you to split one physical network interface into several virtual LANs. The physical interface behaves as if it were several interfaces, and the switch behaves as if it were multiple switches. The CloudGen Firewall can use up to 256 VLANs on one physical network interface and a maximum of 4096 VLANs globally.

For more information, see [How to Configure VLANs](#).

## Management IP Address

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The management IP address is used to connect and manage the CloudGen Firewall or the box level of the Control Center. It is located on box level and is thus independent from the virtual server and services running on the firewall. Routes for the management network are automatically introduced and do not need to be configured separately. The management IP address can be changed to match you network.

For more information, see [How to Change the Management IP Address](#).

## Network Interfaces

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Hardware systems are automatically configured with the correct number of network ports and interfaces. For hardware systems with Barracuda network modules or virtual systems, it may be necessary to add additional network interfaces. These network interfaces must also be added to the configuration of the CloudGen Firewall. If you are planning to use VLANs, make sure to use Barracuda network modules or virtual network adapters that use kernel modules with [VLAN support](#).

For more information, see [How to Add Additional Network Interfaces](#)

## IPv6

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The CloudGen Firewall supports the use of IPv6 for selected services. Enable IPv6 for the CloudGen Firewall or Control Center to accept IPv4 and IPv6 traffic.

For more information, see [IPv6](#)

## Advanced Network Configurations

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- [How to Configure Ethernet Bundles](#)
- [How to Make a CloudGen Firewall Centrally Manageable Without a Control Center](#)

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