

## Authentication

<https://campus.barracuda.com/doc/79463350/>

Beyond its powerful network firewall and VPN technologies, the Barracuda CloudGen Firewall provides seamless integration with all authentication methods (e.g., Active Directory, RADIUS, LDAP/s, etc.) to facilitate policy configuration based on the actual user and group information and not just IP addresses. User visibility and control is a significant factor for handling network traffic and creating policies. If you do not have an external authentication server available, you can create and maintain a list of local users and groups on the CloudGen Firewall. The firewall can also use the [Barracuda DC Agents](#) on the MSAD server and the [Barracuda Terminal Server Agents](#) on the Microsoft Terminal server to provide fully transparent user authentication.

You can use local and external authentication for the following services and features:

- Forwarding Firewall and Firewall Authentication
- HTTP Proxy
- URL Filter
- VPN Service (C2S VPN and SSL VPN)
- Access Control Service
- Administrator Accounts

## External Authentication

By integrating the CloudGen Firewall with your authentication server, you can configure policies that apply to specific users and groups. The firewall lets you configure a range of external authentication schemes, such as

- [Microsoft Active Directory \(MSAD\)](#)
- [Barracuda DC Agent](#)
- [MS-CHAP](#)
- [SAML/ADFS Authentication](#)
- [Lightweight Directory Access Protocol \(LDAP\)](#)
- [Remote Access Dial In User Service \(RADIUS\)](#)
- [Terminal Access Controller Access Control System \(TACACS+\)](#)
- [RSA-ACE SecurID](#)
- [MSNT](#)
- [Barracuda Web Security Gateway](#)
- [Barracuda Terminal Server Agent](#)
- [How to Configure Access Control Policies for One-Time Password Authentication](#)
- [Wi-Fi AP Authentication](#)
- [Time-based One-time Password \(TOTP\)](#)
- [Online Certificate Status Protocol \(OCSP\)](#)

- [Kerberos](#)

## Local Authentication

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If no external authentication service is available, NGF Local Authentication locally manages users and groups on your CloudGen Firewall.

For more information, see: [How to Configure NGF Local Authentication](#).

## Authentication Redirection

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Authentication redirection is used when a CloudGen Firewall or a Control Center serves as an authentication proxy and forwards credentials from a CloudGen Firewall to a specific authentication server.

For more information, see [How to Redirect Authentication from a CloudGen Firewall to a Specific Authentication Server](#).

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