

## Service Objects

<https://campus.barracuda.com/doc/41115773/>

Service objects, when applied to a firewall access rule, define which destination and client TCP/UDP ports and/or IP protocols that the service applied to the rule can use. By default, the Barracuda NG Firewall contains a set of pre-configured service objects. You can edit these service objects for a custom setup or use of a non-standard port, or you can create new services objects to reference IP protocols and, if TCP/UDP is used, the destination port numbers.

A service object can consist of the following:

- **IP Protocol** – The required protocol (e.g. TCP) for the service used by an access rule.
- **Ports and Port Ranges** – The ports or port ranges that the service can use for the protocol.
- **Dynamic Services** – Dynamic services.
- **Plugin Modules** – Plugins for shared service objects (see [Shared Service Objects](#)).
- **Port Protocol Protection** – Policies for handling prohibited services.

## Shared Service Objects

Shared service objects refer to services using dynamic port allocation. The Firewall service uses firewall plugin modules to dynamically open and close required ports. For more information, see [Firewall Plugin Modules](#).

Name	Ref	Entries	Comment
<ul style="list-style-type: none"> <li>Any</li> <li>Any-EMAIL</li> <li>Any-TCP</li> <li>Any-UDP</li> <li>Any-VPN</li> <li>DNS</li> <li>DNS-TCP</li> <li>ENDPOINTMAPPER</li> <li>EXTENDED</li> <li>FTP</li> <li>HTTP+S</li> <li>HTTP</li> </ul>	<ul style="list-style-type: none"> <li>9</li> <li>0</li> <li>1</li> <li>1</li> <li>0</li> <li>5</li> <li>2</li> <li>0</li> <li>0</li> <li>4</li> <li>2</li> <li>3</li> </ul>	<ul style="list-style-type: none"> <li>Ref: Any-TCP , Ref: Any-UDP , Ref: I...</li> <li>Ref: POP2 , Ref: POP3S , Ref: POP3...</li> <li>Ref: FTP , Ref: RCMD , TCP *</li> <li>UDP *</li> <li>Ref: NGF-VPN , Ref: PPTP , Ref: L2...</li> <li>UDP 53 dns , TCP 53 dns</li> <li>TCP 53 dns-zone-transfer</li> <li>UDP 113</li> <li>Ref: STANDARD , Ref: RDP , Ref: S...</li> <li>TCP 21 ftp</li> <li>Ref: HTTP , Ref: HTTPS</li> <li>TCP 80 http</li> </ul>	<ul style="list-style-type: none"> <li>All TCP, UDP and ICMP Services and other IP Protocols</li> <li>Some commonly used email protocols</li> <li>All TCP ports</li> <li>All UDP ports</li> <li>Some commonly used VPN protocols</li> <li>Domain Name Service</li> <li>Domain Name Service zone transfers</li> <li>DCERPC endpointmapper</li> <li>Extended set of services for Internet Access</li> <li>FTP using plugin module</li> <li>HTTP + HTTP Protocol over TLS/SSL</li> <li>HTTP Service</li> </ul>

## Create a New Service Object

For instructions on how to create a new service object, see [How to Create Service Objects](#).

## Figures

### 1. static\_objects.png

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