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## How to Configure Administrative Roles

<https://campus.barracuda.com/doc/53248898/>

As part of an administrative profile, administrative roles define the operative permissions and restrictions of an administrative user to the different services of the Barracuda NextGen Control Center and the managed Barracuda NextGen F-Series Firewalls. When configuring administrative roles, you can define which services the administrative user is allowed to access and which operations they are allowed or denied to perform on the services. You can then assign the role to an administrative profile (see [How to Configure Administrative Profiles](#)).

### Roles Permissions and Restrictions

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Administrative roles permissions and restrictions are defined as follows:

<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
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<b>CC Configuration</b>	<b>Access to CC Config</b>	Yes	Yes	Yes	Yes	Yes
	<b>Kill Sessions</b>	Yes	Yes	No	Yes	No
	<b>Change Permissions</b>	Yes	No	No	Yes	No
	<b>Change Events</b>	Yes	No	No	Yes	No
	<b>Show Admins</b>	Yes	No	Yes	Yes	No
	<b>Manage Admins</b>	No	No	No	No	Yes
	<b>Create/Remove Range</b>	Yes	No	No	Yes	No
	<b>Create/Remove Cluster</b>	Yes	No	No	Yes	No
	<b>Use RCS</b>	Yes	No	Yes	Yes	No
	<b>Create/Remove Boxes</b>	Yes	No	No	Yes	No
	<b>Create/Remove Servers</b>	Yes	No	No	Yes	No
	<b>Create/Remove Service</b>	Yes	No	No	Yes	No
	<b>Create/Remove Repository</b>	Yes	No	No	Yes	No
	<b>Manage HA Sync</b>	Yes	Yes	No	Yes	No
	<b>Create PAR File</b>	Yes	No	No	Yes	No
	<b>Allow Config View on Box</b>	Yes	Yes	Yes	Yes	No
	<b>Allow Emergency Override</b>	Yes	No	No	Yes	No
	<b>Create/Remove Workspace</b>	Yes	No	No	Yes	No
<b>Change Workspaces</b>	Yes	No	No	Yes	No	
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>

<b>CC Control</b>	<b>Access to CC Control</b>	Yes	Yes	Yes	Yes	Yes
	<b>Show Map</b>	Yes	Yes	Yes	Yes	Yes
	<b>Show Config Updates</b>	Yes	Yes	Yes	Yes	Yes
	<b>Manage Config Updates</b>	Yes	Yes	No	Yes	Yes
	<b>Show Box REXEC</b>	Yes	Yes	Yes	No	No
	<b>Manage Box REXEC</b>	Yes	No	No	No	No
	<b>Show Box Firmware Updates</b>	Yes	Yes	Yes	No	No
	<b>Manage Box Firmware Updates</b>	Yes	Yes	No	No	No
	<b>Manage Box File Update</b>	Yes	Yes	No	No	No
	<b>Show Box File Update</b>	No	No	Yes	No	No
	<b>Manage Box Geo Position</b>	Yes	Yes	No	Yes	No
	<b>Manage Box Activation</b>	Yes	No	No	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>CC Firewall Audit Info Viewer</b>	<b>Access to Firewall Audit Info Viewer</b>	Yes	Yes	Yes	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>CC PKI service</b>	<b>Access to CC PKI service</b>	Yes	No	No	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>

<b>Control</b>	<b>Access to Control</b>	Yes	Yes	Yes	Yes	No
	<b>Start/Stop Server</b>	Yes	Yes	No	No	No
	<b>Block Server</b>	Yes	Yes	No	No	No
	<b>Start/Stop Service</b>	Yes	Yes	No	No	No
	<b>Block Service</b>	Yes	Yes	No	No	No
	<b>Delete Wild Route</b>	Yes	Yes	No	No	No
	<b>Activate New Configuration</b>	Yes	Yes	No	Yes	No
	<b>Restart Network Subsystem</b>	Yes	Yes	No	No	No
	<b>Set or Sync Box Time</b>	Yes	Yes	No	Yes	No
	<b>Firmware Restart</b>	Yes	Yes	No	No	No
	<b>Reboot/Shutdown System</b>	Yes	Yes	No	No	No
	<b>Activate Kernel Update</b>	Yes	No	No	No	No
	<b>Kill Sessions</b>	Yes	Yes	No	No	No
	<b>Import License</b>	Yes	Yes	No	Yes	No
	<b>Remove License</b>	Yes	Yes	No	Yes	No
	<b>View License Data</b>	Yes	Yes	No	Yes	No
<b>SCEP Operations</b>	Yes	Yes	No	Yes	No	
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Event</b>	<b>Access to Event</b>	Yes	Yes	Yes	Yes	No
	<b>Silence Events</b>	Yes	Yes	No	Yes	No
	<b>Stop Alarm</b>	Yes	Yes	No	Yes	No
	<b>Mark as Read</b>	Yes	Yes	No	Yes	No
	<b>Confirm Events</b>	Yes	Yes	No	Yes	No
	<b>Delete Events</b>	Yes	No	No	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Log</b>	<b>Access to Log</b>	Yes	Yes	Yes	Yes	No
	<b>Read Box Logfiles</b>	Yes	Yes	Yes	Yes	No
	<b>Delete Box Logfiles</b>	Yes	No	No	Yes	No
	<b>Read Service Logfiles</b>	Yes	Yes	Yes	Yes	No
	<b>Delete Service Logfiles</b>	Yes	No	No	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>

<b>Statistics</b>	<b>Access to Statistics</b>	Yes	Yes	Yes	Yes	No
	<b>Read Box Statistics</b>	Yes	Yes	Yes	Yes	No
	<b>Delete Box Statistics</b>	Yes	No	No	Yes	No
	<b>Read Service Statistics</b>	Yes	Yes	Yes	Yes	No
	<b>Delete Service Statistics</b>	Yes	No	No	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>DHCP</b>	<b>Access to DHCP</b>	Yes	Yes	Yes	No	No
	<b>Allow deletion of leases</b>	Yes	Yes	No	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Access Control Service</b>	<b>Access to Access Control Service</b>	Yes	Yes	Yes	No	No
	<b>Allow deletion of access cache entries</b>	Yes	No	No	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>CC Access Control Service</b>	<b>Access to CC Access Control Service</b>	Yes	Yes	Yes	No	No
	<b>Enable Commands</b>	Yes	No	No	No	No
	<b>Block Box Svnc</b>	Yes	No	No	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Firewall</b>	<b>Access to Firewall</b>	Yes	Yes	Yes	Yes	No
	<b>Terminate Connections</b>	Yes	Yes	No	No	No
	<b>Modify Connections</b>	Yes	Yes	No	No	No
	<b>Kill Handler Processes</b>	Yes	Yes	No	No	No
	<b>Dynamic Rule Control</b>	Yes	Yes	No	No	No
	<b>Toggle Trace</b>	Yes	Yes	No	No	No
	<b>View Trace Output</b>	Yes	Yes	No	No	No
	<b>Change Settings</b>	Yes	Yes	No	No	No
	<b>View Ruleset</b>	Yes	Yes	Yes	Yes	No
	<b>Manipulate Access Cache Entries</b>	Yes	No	No	No	No
	<b>Access ATP and Quarantine Management</b>	Yes	Yes	No	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>

<b>VPN</b>	<b>Access to VPN</b>	Yes	Yes	Yes	Yes	No
	<b>Terminate VPN Tunnels</b>	Yes	Yes	No	No	No
	<b>Disable/Enable VPN Tunnels</b>	Yes	Yes	No	No	No
	<b>View Configuration</b>	Yes	Yes	Yes	Yes	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Mail Gateway service</b>	<b>Access to Mail Gateway service</b>	Yes	Yes	Yes	No	No
	<b>Enable Commands</b>	Yes	No	No	No	No
	<b>View Stripped Attachments</b>	Yes	No	No	No	No
	<b>Retrieve Stripped Attachments</b>	Yes	No	No	No	No
	<b>Delete Stripped Attachments</b>	Yes	No	No	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Virus Scanner service</b>	<b>Access to Virus Scanner service</b>	Yes	Yes	Yes	No	No
	<b>Allow Block Virus Pattern Update</b>	Yes	Yes	No	No	No
	<b>Allow Manual Virus Pattern Update</b>	Yes	Yes	No	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>HTTP Proxy service</b>	<b>Access to HTTP Proxy service</b>	Yes	Yes	Yes	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>Wi-Fi Access Point service</b>	<b>Access to Wi-Fi</b>	Yes	Yes	Yes	No	No
<b>Box Menu</b>	<b>Software Item</b>	<b>Manager</b>	<b>Operator</b>	<b>Observer</b>	<b>Editor</b>	<b>Administrators</b>
<b>REST API</b>	<b>Access to REST API</b>	Yes	No	No	No	No
<b>Internal API Access</b>	<b>Access to internal REST Api interface</b>	Yes	No	No	No	No
<b>External API Access</b>	<b>Access to external REST Api interface</b>	Yes	No	No	No	No
<b>Write Access</b>	<b>Access to REST Api interface</b>	Yes	No	No	No	No

## Configure Administrative Roles

1. Go to **CONFIGURATION > Configuration Tree > Multi-Range > Global Settings > Administrative Roles**.
2. Click **Lock**.
3. In the **Roles** section, click **+** to create a new role. You can also edit and modify an existing entry.
4. Enter a **Name** for the role (only numbers are allowed) and click **OK**. The **Roles** configuration window opens.
5. To provide the administrative role with access to a service,
  1. Select the **Access to <service name>** check box.
  2. Click **Set/Edit** to configure detailed permissions for the service and click **OK**.

It is recommended that you grant the **Show Map** permission in the **CC Control Module** section to every admin role. Admins that do not have this permission will get an error message immediately after they log into the Control Center.
6. Click **OK**.
7. Click **Send Changes** and **Activate**.

You can now assign the administrative role to an administrative user profile (see [How to Configure Administrative Profiles](#)).

## Apply the Administrative Role to a Profile

1. Click the **ADMINS** tab.
2. Right click the admin profile in the list and select **Lock**.
3. Edit the profile.
4. Select the administrative role from the **Roles** list. (If you just want to assign specific roles, clear the **Allow All Operations** check box.)
5. Click **OK**.
6. Click **Activate**.

The administrative user can now view and edit settings and services on the Barracuda NextGen Control Center according to their assigned roles.

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