How to Configure SMS Control

https://campus.barracuda.com/doc/79463425/

CloudGen Firewalls equipped with the Barracuda 3G USB modem can execute maintenance tasks and custom scripts triggered remotely via SMS. Administrators can also receive certain status information of a Barracuda CloudGen Firewall via SMS. Access control lists for specific phone numbers and password restrictions allow granular security policies for administrators.

Step 1. Enable Active GSM Channel

1. Go to **CONFIGURATION > Configuration Tree > Box > Network**.
2. In the left menu, select **Wireless WAN**.
3. Expand **Configuration Mode** and click **Switch to Advanced View**.
4. In the **Connection Details** section, set **Active GSM Channel** to **Yes**.
5. Click **Send Changes** and **Activate**.

Step 2. Configure SMS Control

Before configuring the SMS Control feature, make sure the Barracuda CloudGen Firewall is equipped with the Barracuda 3G USB modem. See How to Configure an ISP using a WWAN Modem .

1. Go to **CONFIGURATION > Configuration Tree > Box > Administrative Settings**.
2. In the left menu, select **SMS Control**.
3. Expand **Configuration Mode** and click **Switch to Advanced View**.
4. In the **SMS Control Settings** section, enable **Remote Control via SMS**.
   In case of reception problems, use the **SMS Storage Location** field to override the SMS modem specific defaults. Allowed values are 'SM' (SIM Card Memory) and 'ME' (Mobile Equipment Memory).
5. In the **Allowed Phone Numbers** table, add the phone numbers from which SMS control is allowed. Include country prefixes, omitting the leading zeros and plus sign.
6. The **Successive Command Maximum** field specifies the maximum number of successive commands to be accepted (default: 8). When this limit is reached, the counter must be reset in **Control** > **Box** > **Reset SMS Counter**.
7. In the **Command Codes** section, specify the password for each SMS command. Each password must start with a lower-case letter.
8. In the **Custom Script** table, you can enter a custom bash script to be executed via SMS. Begin the script with: `#!/bin/bash` and specify the password in the **Execute Custom Script** section.
9. Click **Send Changes** and **Activate**.

SMS Control Commands

Task	Description/Command
Reboot	Reboots the system. Send: `reboot <password>`
Restart	Restarts the subsystem. Send: `restart <password>`
Reconnect Network	Restarts the network subsystem. Send: `reconnect <password>`
Rebuild Mgmt Tunnel	Restarts the management VPN tunnel. Send: `rebuild <password>`
Send Status Message	Gets status information for the system (model, serial number, temperature, free RAM, load average, dynamic links status). Send: *`status <password>`*
Execute Custom Script	Executes a custom bash script that is defined in the **Custom Script** table. Send: `custom <password>`

SMS Event Notifications

The following events are associated with SMS control:

Event	Description
[135]Resource Limit Pending	Less than 50 % of the maximum command value remains.
[136]Resource Limit Exceeded	The maximum command counter has been reached or has been exceeded.
[4111]Authentication Failure Warning	The ACL does not match.
[4112]Authentication Failure Alert	Password authentication failure and/or unsuccessful command match.
[4126]Remote Command Execution Alert	Successful authentication and command is accepted.

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