



# Firewall command usage

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## Document Revision History

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Revision	Date	Author	Description

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## 1 Firewallcmd switch Command

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【DESCRIPTION】 this command activates/deactivates the firewall

【USAGE】

firewallcmd switch [on|off]

【PRECONDITION】 None

【PARAMETERS】

Parameters	Function	Notice
on	activate the firewall	compulsory
off	deactivate the firewall	compulsory

【NOTICE】

【EXAMPLE】

#firewall switch on

## 2 firewallcmd level Command

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【DESCRIPTION】 this command sets the firewall level

【USAGE】

firewallcmd level [low|medium|high]

【PRECONDITION】 firewallcmd switch on command must be applied to activate the firewall

【PARAMETERS】

Parameters	Function	Notice
low	tear drop attack, LAND attack, flooding without IP attack, ping to Death attack, source IP cheating attack	compulsory
medium	Port Scan attack, synflood attack, smurf attack	compulsory
high	Ping attack from WAN, invalid packets from WAN	compulsory

【NOTICE】 :

1. medium level firewall is the enhanced version based upon the low level. The same is true with high level compared with medium level.
2. port scanning implies that CPE only responds to the current services recognized by itself. When a new service is newly opened for the CPE the following command must be executed for adding the service into the list:  
firewallcmd switch medium
3. the mechanism of avoiding synflood, smurf and dos attack is implemented byproviding certain traffic control.
4. when the firewal level is set to high, all the connections actively initiated from the WAN side would be blocked. When certain services are added(e.g.: tr069 connection request), the operation must be done before the firewall command is executed.

【EXAMPLE】

```
# firewallcmd level medium
```