

# Firewall

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## Firewall info

**Request Structure:** `https://<puqvpnpv>/api/v1/firewall/info`

**Method:** `GET`

**Cookie:** `access_hash=<access_hash>`

### Example:

```
curl \  
-b \  
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252" \  
\ \  
-X GET https://dev.softkeel.com/api/v1/firewall/info
```

### Response example:

```
{  
  "error" : "",  
  "msg" : {  
    "ip_forward" : "yes",  
    "iproute2" : "5.10.0-4",  
    "iptables" : "1.8.7-1"  
  },  
  "status" : "success"  
}
```

### Errors:

```
-Not authorized
```

---

# Firewall conf

**Request Structure:** `https://<puqvpnp>/api/v1/firewall/conf`

**Cookie:** `access_hash=<access_hash>`

**Method:** `GET`

## Example:

```
curl \  
-b \  
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252" \  
\ \  
-X GET https://dev.softkeel.com/api/v1/firewall/conf
```

## Response example:

```
{  
  "error" : "",  
  "msg" : {  
    "internal_traffic" : false,  
    "ip_forward" : false,  
    "policy_forward" : "ACCEPT",  
    "policy_input" : "ACCEPT",  
    "policy_output" : "ACCEPT"  
  },  
  "status" : "success"  
}
```

## Errors:

```
-Not authorized
```

---

# Firewall change conf

**Request Structure:** `https://<puqvnpv>/api/v1/firewall/conf`

**Cookie:** `access_hash=<access_hash>`

**Method:** `PUT`

## PUT data:

```
"internal_traffic" [= false| true
"ip_forward" [= false| true
"policy_forward" [= "ACCEPT"| "DROP"
"policy_input" [= "ACCEPT"| "DROP"
"policy_output" [= "ACCEPT"| "DROP"
```

## Example:

```
curl \
-b
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252"
\
-d
"ip_forward=1&internal_traffic=1&policy_forward=ACCEPT&policy_input=ACCEPT&policy_output=ACCEPT"
\
-X PUT https://dev.softkeel.com/api/v1/firewall/conf
```

## Response example:

```
{
  "error" : "",
  "msg" : "success",
  "status" : "success"
}
```

## Errors:

- Wrong parameter: INPUT policy, should be: ACCEPT or DROP
- Wrong parameter: FORWARD policy, should be: ACCEPT or DROP

- Wrong parameter: OUTPUT policy, should be: ACCEPT or DROP

# Firewall rules FILTER

**Request Structure:** `https://<puqvnpv>/api/v1/firewall/rules/filter`

**Cookie:** `access_hash=<access_hash>`

**Method:** `GET`

## Example:

```
curl \
-b
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252"
\
-X GET https://dev.softkeel.com/api/v1/firewall/rules/filter
```

## Response example:

```
{
  "error" : "",
  "msg" : [
    {
      "action" : "ACCEPT",
      "chain" : "INPUT",
      "d_ip" : "0.0.0.0/0",
      "d_port" : "8098",
      "name" : "system_PUQVPNCP",
      "protocol" : "TCP",
      "s_ip" : "0.0.0.0/0",
      "s_port" : "0"
    },
    {
      "action" : "DROP",
      "chain" : "INPUT",
      "d_ip" : "0.0.0.0/0",
      "d_port" : "23",
      "name" : "TEST",
```

```
    "protocol" : "TCP",
    "s_ip" : "0.0.0.0/0",
    "s_port" : "0"
  }
],
"status" : "success"
}
```

### Errors:

```
-Not authorized
```

# Firewall FILTER add rule

### If add at the top of the list

**Request Structure:** <https://<puqvpnpv>/api/v1/firewall/rules/filter/top>

### If added at the end of the list

**Request Structure:** <https://<puqvpnpv>/api/v1/firewall/rules/filter/end>

**Cookie:** `|access_hash=<access_hash>`

**Method:** `|POST`

### POST data:

```
"name" = "NAME"
"action" = "ACCEPT"|"DROP"
"chain" = "INPUT"|
"d_ip" = "CIDR format"
"d_port" = "0-65535"
"protocol" = "TCP"|"UDP"|"ICMP"|"ANY"
"s_ip" = "CIDR format"
"s_port" = "0-65535"
```

### Example:

```
curl \
```

```
-b
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252"
\
-d "action=ACCEPT&\
chain=INPUT&\
d_ip=0.0.0.0/0&\
d_port=22&\
name=TEST_SSH_OPEN&\
protocol=TCP&\
s_ip=0.0.0.0/0&\
s_port=0" \
-X POST https://dev.softkeel.com/api/v1/firewall/rules/filter/top
```

### Response example:

```
{
  "error" : "",
  "msg" : "success",
  "status" : "success"
}
```

### Errors:

```
- Wrong rule name. Must be letters and numbers only
- A rule with the same name already exists
- Not correct Chain
- Destination IP must be in CIDR format
- Source IP must be in CIDR format
```

# Firewall FILTER delete rule

If add at the top of the list

**Request Structure:** `https://<puqvpnpv>/api/v1/firewall/rules/filter/<rule_name>`

**Cookie:** `access_hash=<access_hash>`

**Method:** `DELETE`

### Example:

```
curl \  
-b  
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252"  
\  
-X DELETE https://dev.softkeel.com/api/v1/firewall/rules/filter/TEST_SSH_OPEN
```

### Response example:

```
{  
  "error" : "",  
  "msg" : "success",  
  "status" : "success"  
}
```

### Errors:

```
-No rule found with given name  
-You cannot delete this rule. ONLY name=system_PUQVPNCP
```

# Firewall rules NAT

**Request Structure:** `https://<puqvpnpv>/api/v1/firewall/rules/nat`

**Cookie:** `access_hash=<access_hash>`

**Method:** `GET`

### Example:

```
curl \  
-b  
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252"  
\br/>-X GET https://dev.softkeel.com/api/v1/firewall/rules/nat
```

### Response example:

```
{
  "error" : "",
  "msg" : [
    {
      "action" : "SNAT",
      "chain" : "POSTROUTING",
      "d_ip" : "0.0.0.0/0",
      "name" : "Default_144_wg144",
      "s_ip" : "10.0.143.0/24",
      "to-source" : "77.87.125.200"
    },
    {
      "action" : "SNAT",
      "chain" : "POSTROUTING",
      "d_ip" : "0.0.0.0/0",
      "name" : "Default_153_wg153",
      "s_ip" : "10.0.152.0/24",
      "to-source" : "77.87.125.200"
    },
    {
      "action" : "SNAT",
      "chain" : "POSTROUTING",
      "d_ip" : "0.0.0.0/0",
      "name" : "Default_44_wg44",
      "s_ip" : "10.0.43.0/24",
      "to-source" : "77.87.125.200"
    },
    {
      "action" : "SNAT",
      "chain" : "POSTROUTING",
      "d_ip" : "0.0.0.0/0",
      "name" : "Default_53_wg53",
      "s_ip" : "10.0.52.0/24",
      "to-source" : "77.87.125.200"
    }
  ],
  "status" : "success"
}
```

## Errors:

```
-Not authorized
```

# Firewall rules MANGLE

**Request Structure:** `https://<puqvpnpv>/api/v1/firewall/rules/mangle`

**Cookie:** `access_hash=<access_hash>`

**Method:** `GET`

## Example:

```
curl \  
-b \  
"access_hash=7effe99173b87e9cdebdab66d6fb23c9b244af250cb09b5dd36d8f80d14a8510b2d00bcba7290252" \  
\   
-X GET https://dev.softkeel.com/api/v1/firewall/rules/mangle
```

## Response example:

```
{  
  "error" : "",  
  "msg" : [  
    {  
      "action" : "MARK",  
      "chain" : "FORWARD",  
      "d_ip" : "0.0.0.0/0",  
      "name" : "src_peer_121_user_122",  
      "s_ip" : "10.0.118.3",  
      "set-mark" : "227"  
    },  
    {  
      "action" : "MARK",  
      "chain" : "FORWARD",  
      "d_ip" : "10.0.118.4",  
      "name" : "dst_peer_122_user_123",  
      "s_ip" : "0.0.0.0/0",  
    }  
  ]  
}
```

```
    "set-mark" : "228"
  },
  {
    "action" : "MARK",
    "chain" : "FORWARD",
    "d_ip" : "0.0.0.0/0",
    "name" : "src_peer_122_user_123",
    "s_ip" : "10.0.118.4",
    "set-mark" : "228"
  }
],
"status" : "success"
}
```

### Errors:

-Not authorized

---

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