

Firewall

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Firewall info

Request Structure: `https://<puqvpnp>/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://<puqvpnp>/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://<puqvpnp>/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"
\
-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://<puqvpnp>/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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