

# Accounts

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## Accounts LIST

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

**Method:** `GET`

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

**Example:**

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account
```

**Response example:**

```
{
  "error" : "",
  "msg" : [
    {
      "allowed_IPs" : "10.0.110.4",
      "b_download" : "12",
      "b_upload" : "12",
      "mangle" : "322",
      "name" : "ruslan_dom_pc",
      "password" : "FE*37#L2WC",
      "private_key" : "UN75r5fizeA5jaCAzF7/n0TTynu67ngsm4jxfiHaHGI=",
      "public_key" : "sdxzHEB0dgm9ZzRn2tw2bzdnU1v7mUp1plpAU+craSo=",
      "status" : "enable",
```

```
    "username" : "user_217",
    "wg_name" : "77_87_125_209"
  },
  {
    "allowed_IPs" : "10.0.110.3",
    "b_download" : "12",
    "b_upload" : "12",
    "mangle" : "286",
    "name" : "ruslan_pc",
    "password" : "78gYA%!9X",
    "private_key" : "G0LitV1C3WT6Pn2rNS8Qtg0LRMiJ385DYoDcfnrRbXY=",
    "public_key" : "VeQE3cIzmo58otUUzpfkEDWqk1jsco09KRAKNtIW1QY=",
    "status" : "enable",
    "username" : "user_181",
    "wg_name" : "77_87_125_209"
  },
  {
    "allowed_IPs" : "10.0.110.17",
    "b_download" : "12",
    "b_upload" : "12",
    "mangle" : "131",
    "name" : "ruslan_telefon",
    "password" : "jvPdmqqTmRV9",
    "private_key" : "MEZAzrlpzqNJCT8k9JWLkBL2+TPe/LZQp3RAWEqffko=",
    "public_key" : "GA2IQFgC+SVYwoIetUNQPSR1ytiet4xxXXAJ+P+IlUY=",
    "status" : "enable",
    "username" : "user_32",
    "wg_name" : "77_87_125_209"
  }
],
"status" : "success"
}
```

## Errors:

- Not authorized

# Account DETAIL

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>`

**Method:** `GET`

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

## Example:

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10
```

## Response example:

```
{
  "error" : "",
  "msg" : {
    "allowed_IPs" : "10.0.105.18",
    "b_download" : "20",
    "b_upload" : "20",
    "mangle" : "109",
    "name" : "peer_10",
    "password" : "dH4%%2M2%B",
    "private_key" : "GNuP0siryMimPSuF7Hnmw0D7gY7FXzoY6IgUmt1uuXc=",
    "public_key" : "7C5u5vZk051iA5W2zfbxjlZDgAdm7HdRFRgarI8nBw4=",
    "status" : "enable",
    "username" : "user_10",
    "wg_name" : "Default_106"
  },
  "status" : "success"
}
```

## Errors:

```
- Not authorized
```

- Account not found

# Account ADD

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

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

**Method:** `POST`

**POST data:**

**Required:**

```
"wg_name" = "WG_NAME"
"allowed_IPs" = "CIDR format"
```

**Not required:**

```
"name" = "NAME"
"status" = "enable|disable"
"username" = "USERNAME"
"password" = "PASSWORD"

"allowed_IPs" = "CIDR format"
"allowed_IPs_ipv6" = "CIDR format"

"private_key" = "private_key"
"public_key" = "public_key"
"b_download" = "0-10000"
"b_upload" = "0-10000"

"wg_name" = Name of WireGuard
```

**If any parameter is not specified during creation, the system will create, if possible, with a unique parameter.**

**Example:**

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-d "wg_name=77_87_125_209&\
allowed_IPs=10.0.110.52&\
b_download=100&\
b_upload=100&\
name=NAME111&\
password=PASSWORD&\
status=disable&\
username=USERNAME111" \
-X POST https://dev.softkeel.com/api/v1/account
```

### Response example:

```
{
  "error" : "",
  "msg" : {
    "allowed_IPs" : "10.0.110.52",
    "b_download" : "12",
    "b_upload" : "12",
    "mangle" : "100",
    "name" : "NAME111",
    "password" : "PASSWORD",
    "private_key" : "kC8n0NGFxbqvwIfI8xJg2ZzRtp950ltC4ugPHlPxsm0=",
    "public_key" : "p3i2VHZRHwV3uk+Yo4oKoeQ6gLF+jF33P+pnKai3iE=",
    "status" : "disable",
    "username" : "USERNAME111",
    "wg_name" : "77_87_125_209"
  },
  "status" : "success"
}
```

### Errors:

- Not authorized
- Account not found
- VPN account limit exceeded
- Wireguard server not valid

- Wrong name (only letters, numbers and '\_', '-')
- The name is already in use
- The username is already in use
- Wrong Username (only letters, numbers and '\_', '-')
- Wireguard server not valid
- Wrong IP format
- IP address already in use
- The IP address is not within the range of the wireguard server
- Keys are invalid

# Account EDIT

**Request Structure:** | `https://<puqvpnp>/api/v1/account/<NAME>` |

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

**Method:** | `PUT` |

**PUT data:**

**Not required:**

```
"status" = "enable|disable"
"password" = "PASSWORD"

"allowed_IPs" = "CIDR format"
"allowed_IPs_ipv6" = "CIDR format"

"b_download" = "0-10000"
"b_upload" = "0-10000"
```

**Example:**

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbb6d31644eee3cd7f8365e71ad94a60"
\
-d "allowed_IPs=10.0.110.60&\
b_download=11&\
```

```
b_upload=11&\
password=PASSWORD111122223333&\
status=enable" \
-X PUT https://dev.softkeel.com/api/v1/account/NAME111
```

### Response example:

```
{
  "error" : "",
  "msg" : {
    "allowed_IPs" : "10.0.110.60",
    "b_download" : "11",
    "b_upload" : "11",
    "mangle" : "100",
    "name" : "NAME111",
    "password" : "PASSWORD111122223333",
    "private_key" : "kC8n0NGFwqvwIfI8xJg2ZzRtp950ltC4ugPHlPxsm0=",
    "public_key" : "p3i2VHZRHwV3uk+Yo4oKoeQ6gLF+jF33P+pnKai3iE=",
    "status" : "enable",
    "username" : "USERNAME111",
    "wg_name" : "77_87_125_209"
  },
  "status" : "success"
}
```

### Errors:

- Not authorized
- Account not found
- Wireguard server not valid
- Wrong external IP format
- IP address already in use
- The IP address is not within the range of the wireguard server

# Account DELETE

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>`

**Cookie:** |access\_hash=<access\_hash>|

**Method:** |DELETE|

**Example:**

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbb6d31644eee3cd7f8365e71ad94a60"
\
-X DELETE https://dev.softkeel.com/api/v1/account/NAME111
```

**Response example:**

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

**Errors:**

```
- Not authorized
- Account not found
```

---

# Account Config Text

**Request Structure:** |https://<puqvpnpv>/api/v1/account/<NAME>/config\_text|

**Method:** |GET|

**Cookie:** |access\_hash=<access\_hash>|

**Example:**



```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/config_text
```

### Response example:

```
{
  "error" : "",
  "msg" : "[Interface]\tAddress = 10.0.105.18/24\n\tDNS = 8.8.8.8,1.1.1.1\n\tPrivateKey =
GNuP0sirYMimPSuF7Hnmw0D7gY7FXzoY6IgUmt1uuXc=\n\t\n[Peer]\n\tAllowedIPs =
0.0.0.0/0\n\tEndpoint = 77.87.125.200:51926\n\tPublicKey =
HklDth2Pdu/jnJ0NH4cjSlsun2pFdIUZXt0h5qaNzmA=",
  "status" : "success"
}
```

### Errors:

- Not authorized
- Account not found

# Account Config QR

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>/config_qr`

**Method:** `GET`

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

**Output:** data:image/png;base64

### Example:

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/config_qr
```

### Response example:

```
{
  "error" : "",
  "msg" :
  "iVBORw0KGgoAAAANSUHEUgAAAfQAAAH0AQMAAADxGE3JAAAABlBMVEX//8AAABVwtN+AAAGTUlEQVR42uydP9arMA7F5UI
  "status" : "success"
}
```

### Errors:

- Not authorized
- Account not found

# Account IKEv2 Profile

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>/ikev2_profile`

**Method:** `GET`

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

### Example:

```
curl \
-b
"access_hash=4a1eaf3a9f086baa452bac3c4e92eb60e34755d23f36190f44720b9b43700c23543aabb2794eda15"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/ikev2_profile
```

### Response example:

```
{
```

```
"error" : "",
"msg" : "{\n\t\t\"uuid\": \"da7782cd-d00c-4114-9250-6c798585a441\", \n\t\t\"name\":  
\"dev.softkeel.com\", \n\t\t\"type\": \"ikev2-eap\", \n\t\t\"remote\": {\n\t\t\t\"addr\":  
\"dev.softkeel.com\", \n\t\t\t\"id\": \"dev.softkeel.com\", \n\t\t\t\"cert\": \"-----BEGIN  
CERTIFICATE-----  
\rMIIFdCCA2SgAwIBAgIIMYZL3xAvGfwWDQYJKoZIhvcNAQEMBQAwXDEQMA4GA1UE\rAxMHUFVRIFZQTjEXMBUGA1UEChM  
END CERTIFICATE-----\r\" \n\t\t\t}, \n\t\t\t\"local\": {\n\t\t\t\t\"eap_id\":  
\"user_104\" \n\t\t\t} \n\t\t}",
"status" : "success"
}
```

## Errors:

- Not authorized
- Account not found

# Account One-time link

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>/otl`

**Method:** `GET`

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

**Output:** url

## Example:

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/otl
```

## Response example:

```
{
"error" : "",
"msg" :
"https://dev.softkeel.com/otl/941baf43c2fd01e87e98db922c7d4aeb81ed27e1e88d6f3204c99dfae2f622b24:"
```

```
"status" : "success"
}
```

#### Errors:

- Not authorized
- Account not found

# Account Firewall mangle rules

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>/firewall_mangle_rules`

**Method:** `GET`

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

#### Example:

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/firewall_mangle_rules
```

#### Response example:

```
{
  "error" : "",
  "msg" : "0.0.0.0/0 -> 10.0.105.18 MARK 0x6d Pkt: 0 Bytes: 0\n10.0.105.18 -> 0.0.0.0/0 MARK
0x6d Pkt: 0 Bytes: 0\n",
  "status" : "success"
}
```

#### Errors:

- Not authorized
- Account not found

# Account Traffic Control

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>/traffic_control`

**Method:** `GET`

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

## Example:

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/traffic_control
```

## Response example:

```
{
  "error" : "",
  "msg" : "ens18 --> class htb 1:109 root leaf cb97: prio 0 rate 20Mbit ceil 20Mbit burst
1600b cburst 1600b \n Sent 0 bytes 0 pkt (dropped 0, overlimits 0 requeues 0) \n backlog 0b
0p requeues 0\n\nwng106 --> class htb 1:109 root leaf cb98: prio 0 rate 20Mbit ceil 20Mbit
burst 1600b cburst 1600b \n Sent 0 bytes 0 pkt (dropped 0, overlimits 0 requeues 0) \n
backlog 0b 0p requeues 0\n\n",
  "status" : "success"
}
```

## Errors:

```
-Not authorized
-Account not found
```

# Account Dump

**Request Structure:** `https://<puqvpnpv>/api/v1/account/<NAME>/dump`

**Method:** GET

**Cookie:** access\_hash=<access\_hash>

**Example:**

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/peer_10/dump
```

**Response example:**

```
{
  "error" : "",
  "msg" : {
    "allowed_ips" : "10.0.105.18/32",
    "endpoint" : "(none)",
    "keepalive" : "off",
    "latest_handshake" : "0",
    "transfer_rx" : "0",
    "transfer_tx" : "0"
  },
  "status" : "success"
}
```

**Errors:**

```
- Not authorized
- Account not found
```

---

# Account Traffic statistics

**Request Structure:** https://<puqvpnp>/api/v1/account/<NAME>/traffic\_statistics/<YEAR>/<MONTH>

**Method:** GET

**Cookie:** access\_hash=<access\_hash>

### Example:

```
curl \
-b
"access_hash=eda121857897bcf0e4cdf5a3eaf957f35ccb62d39d5bc0bfbfb6d31644eee3cd7f8365e71ad94a60"
\
-X GET https://dev.softkeel.com/api/v1/account/ruslan_telefon/traffic_statistics/2022/11
```

### Response example:

```
{
  "error" : "",
  "msg" : [
    {
      "account" : "ruslan_telefon",
      "date" : "2022-11-01",
      "traffic_download" : 0,
      "traffic_upload" : 0
    },
    {
      "account" : "ruslan_telefon",
      "date" : "2022-11-02",
      "traffic_download" : 0,
      "traffic_upload" : 0
    },
    {
      "account" : "ruslan_telefon",
      "date" : "2022-11-03",
      "traffic_download" : 0,
      "traffic_upload" : 0
    },
    {
      "account" : "ruslan_telefon",
      "date" : "2022-11-04",
      "traffic_download" : 0,
      "traffic_upload" : 0
    },
    {
      "account" : "ruslan_telefon",
      "date" : "2022-11-05",
```

```
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-06",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-07",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-08",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-09",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-10",
    "traffic_download" : 1209108969,
    "traffic_upload" : 375698174
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-11",
    "traffic_download" : 1588256401,
    "traffic_upload" : 406223360
  },
  {
```



```
"account" : "ruslan_telefon",
"date" : "2022-11-12",
"traffic_download" : 1963382022,
"traffic_upload" : 49067202
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-13",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-14",
  "traffic_download" : 178929,
  "traffic_upload" : 127102
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-15",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-16",
  "traffic_download" : 168658637,
  "traffic_upload" : 15390640
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-17",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-18",
  "traffic_download" : 0,
  "traffic_upload" : 0
}
```

```
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-19",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-20",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-21",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-22",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-23",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-24",
  "traffic_download" : 0,
  "traffic_upload" : 0
},
{
  "account" : "ruslan_telefon",
  "date" : "2022-11-25",
```

```
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-26",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-27",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-28",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-29",
    "traffic_download" : 0,
    "traffic_upload" : 0
  },
  {
    "account" : "ruslan_telefon",
    "date" : "2022-11-30",
    "traffic_download" : 0,
    "traffic_upload" : 0
  }
],
"status" : "success"
}
```

## Errors:

-Not authorized

- Account not found
- Wrong month setting
- Wrong year setting

---

Revision #23

Created 16 November 2022 10:20:28 by Ruslan

Updated 16 October 2023 10:14:18 by Yuliia Noha