

Kelly RESTful HTTP API

Document version: 0.0.6

Common parameters

view optional	Responsible for response data representation. Allowable values: json, xml (xml not available now). Default value: json
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Resource :gateways

Methods

GET /gateways

Method description

Return all available gateways

Response Information

Object: Gateways

HTTP code: 200 OK

Example Request

GET <http://127.0.0.1/gateways>

GET /gateways/:id

Method description

Return certain gateway

Response Information

Object: Gateway

HTTP code: 200 OK

Example Request

GET <http://127.0.0.1/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7>

POST /gateways

Method description

Create new gateway.

Parameters

id optional	Unique. UUID. If did not specified, generated by server. Unique. Example Values: 7dc235d0-c938-4b66-8f8c-c9037c7eace7
name required	Specifies name of gateway. Example Values: test_gtw
rps required	Specifies requests per second value restriction for gateway. Non negative integer. Example Values: 150

Response Information

Object: Gateway

HTTP code: 201 Created

Example Request

POST <http://127.0.0.1:8080/gateways>

POST Data `id=7dc235d0-c938-4b66-8f8c-c9037c7eace7&name=test_gtw&rps=150`

PUT `/gateways/:id`

Method description

Update existing gateway.

Parameters

id required	UUID. Example Values: 7dc235d0-c938-4b66-8f8c-c9037c7eace7
name optional	Specifies new name of gateway. Example Values: test_gtw
rps optional	Specifies new requests per second value restriction for gateway. Non negative integer. Example Values: 150

Response Information

Object: Gateway

HTTP code: 200 OK

Example Request

PUT http://127.0.0.1:8080/gateways?id=7dc235d0-c938-4b66-8f8c-c9037c7eace7&name=test_gtw&rps=150

DELETE `/gateways/:id`

Method description

Remove gateway.

Response Information

Object: none
HTTP code: 204 No content

Example Request

DELETE <http://127.0.0.1:8080/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7>

Objects

Gateway

```
{
  id: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
  name: "test_gtw",
  rps: 100,
  connections: [
    {
      id: 1,
      type: receiver,
      addr: "127.0.0.1",
      port: 8001,
      sys_id: "smppclient2",
      pass: "password",
      sys_type: "smppclient2",
      addr_ton: 0,
      addr_npi: 0,
      addr_range: ""
    },
    {
      id: 0,
      type: receiver,
      addr: "127.0.0.1",
      port: 8001,
```

```
        sys_id: "smppclient1",
        pass: "password",
        sys_type: "smppclient1",
        addr_ton: 0,
        addr_npi: 0,
        addr_range: ""
    }
}
```

Gateways

```
{
  gateways: [
    {
      id: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
      name: "12345",
      rps: 12345,
      connections: []
    },
    {
      id: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
      name: "test_gtw",
      rps: 10000,
      connections: []
    }
  ]
}
```

Resource :connections

Methods

GET /gateways/:gateway_id/connections

Method description

Return all gateway connections.

Response Information

Object: Connections

HTTP code: 200 OK

Example Request

GET http://127.0.0.1:8080/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7/connections

GET /gateways/:gateway_id/connections/:connection_id

Method description

Return specified connection.

Response Information

Object: Connection

HTTP code: 200 OK

Example Request

GET http://127.0.0.1:8080/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7/connections/0

POST /gateways/:id/connections

Method description

Create new connection.

Parameters

id optional	Non negative integer. Generated by server.
type required	Allowable values: <ul style="list-style-type: none">• receiver• transceiver• transmitter Example Values: receiver
addr required	IP address. Example Values: 127.0.0.1
port required	Port. Positive integer. Example Values: 8085
sys_id required	Connection system id. Example Values: smppclient1
pass required	Password. Example Values: password
sys_type required	Connection system type. Example Values: smppclient1
addr_ton required	Type of number. Allowable values: Unknown = 0 International = 1 National = 2 Network Specific = 3 Subscriber Number = 4 Alphanumeric = 5 Abbreviated = 6 Example Values: 0

addr_npi required	Numbering plan identification. Allowable values: Unknown = 0 ISDN/telephone numbering plan (E163/E164) = 1 Data numbering plan (X.121) = 3 Telex numbering plan (F.69) = 4 Land Mobile (E.212) =6 National numbering plan = 8 Private numbering plan = 9 ERMES numbering plan (ETSI DE/PS 3 01-3) = 10 Internet (IP) = 13 WAP Client Id (to be defined by WAP Forum) = 18 Example Values: 0
addr_range required	Example Values: ""

Response Information

Object: Connection

HTTP code: 201 Created

Example Request

POST http://127.0.0.1:8080/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7/connections

POST Data

type=receiver&addr=127.0.0.1&port=8001&sys_id=smpclient1&pass=password&sys_type=smpclient1&addr_ton=0&addr_npi=0&addr_range=

PUT /gateways/:gateway_id/connections/:connection_id

Method description

Update existing connection.

Parameters

See POST section. All parameters available, but optional.	
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Response Information

Object: Connection
HTTP code: 200 OK

Example Request

PUT http://127.0.0.1:8080/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7/connections/0?type=receiver&addr=127.0.0.1&port=8001&sys_id=smpclient1&pass=password&sys_type=smpclient1&addr_ton=0&addr_npi=0&addr_range=

DELETE /gateways/:gateway_id/connections/:connection_id

Method description

Remove existing connection.

Response Information

Object: none
HTTP code: 204 No content

Example request

DELETE <http://127.0.0.1:8080/gateways/7dc235d0-c938-4b66-8f8c-c9037c7eace7/connections/0>

Objects

Connection

```
{  
    id: 1,
```

```
    type: "receiver",
    addr: "127.0.0.1",
    port: 8001,
    sys_id: "smppclient2",
    pass: "password",
    sys_type: "smppclient2",
    addr_ton: 0,
    addr_npi: 0,
    addr_range: ""
}
```

Connections

```
{
  connections: [
    {
      id: 1,
      type: "receiver",
      addr: "127.0.0.1",
      port: 8001,
      sys_id: "smppclient2",
      pass: "password",
      sys_type: "smppclient2",
      addr_ton: 0,
      addr_npi: 0,
      addr_range: ""
    },
    {
      id: 0,
      type: "receiver",
      addr: "127.0.0.1",
      port: 8001,
      sys_id: "smppclient1",
      pass: "password",
```

```
        sys_type: "smppclient1",
        addr_ton: 0,
        addr_npi: 0,
        addr_range: ""
    }
}
```

Resource :provider

Methods

GET /providers

Method description

Return all available providers.

Response Information

Object: Providers

HTTP code: 200 OK

Example Request

GET http://127.0.0.1:8080/providers

GET /providers/:id

Method description

Return specified provider.

Response Information

Object: Provider
HTTP code: 200 OK

Example Request

GET <http://127.0.0.1:8080/providers/0a89542c-5270-11e1-bf27-001d0947ec73>

POST /providers

Method description

Create new provider.

Parameters

id optional	UUID. If did not specified, generated by server. Example Values: 0a89542c-5270-11e1-bf27-001d0947ec73
gateway required	Gateway uuid. Example Values: 7dc235d0-c938-4b66-8f8c-c9037c7eace7
bulk_gateway required	Bulk gateway uuid. Example Values: 7dc235d0-c938-4b66-8f8c-c9037c7eace7
receipts_supported required	Boolean. Example Values: false

Response Information

Object: Provider
HTTP code: 201 Created

Example Request

POST http://127.0.0.1:8080/providers/
POST Data id=0a89542c-5270-11e1-bf27-001d0947ec73&gateway=7dc235d0-c938-4b66-8f8c-c9037c7eace7&bulk_gateway=7dc235d0-c938-4b66-8f8c-c9037c7eace7&receipts_supported=false

PUT /providers/:id

Method description

Update existing provider.

Parameters

id required	UUID. If did not specified, generated by server. Example Values: 0a89542c-5270-11e1-bf27-001d0947ec73
gateway optional	Gateway uuid. Example Values: 7dc235d0-c938-4b66-8f8c-c9037c7eace7
bulk_gateway optional	Bulk gateway uuid. Example Values: 7dc235d0-c938-4b66-8f8c-c9037c7eace7
receipts_supported optional	Boolean. Example Values: false

Response Information

Object: Provider

HTTP code: 200 OK

Example Request

PUT http://127.0.0.1:8080/providers/?id=0a89542c-5270-11e1-bf27-001d0947ec73&gateway=7dc235d0-c938-4b66-8f8c-c9037c7eace7&bulk_gateway=7dc235d0-c938-4b66-8f8c-c9037c7eace7&receipts_supported=false

DELETE /providers/:id

Method description

Remove existing provider.

Response Information

Object: none

HTTP code: 204 No content

Example Request

DELETE http://127.0.0.1:8080/providers/0a89542c-5270-11e1-bf27-001d0947ec73

Objects

Provider

```
{
  provider: {
    id: "0a89542c-5270-11e1-bf27-001d0947ec73",
    gateway: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
    bulk_gateway: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
    receipts_supported: true
  }
}
```

Providers

```
{
  providers: [
    {
      id: "0a89542c-5270-11e1-bf27-001d0947ec73",
      gateway: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
      bulk_gateway: "7dc235d0-c938-4b66-8f8c-c9037c7eace7",
      receipts_supported: true
    }
  ]
}
```

Resource :networks

GET /networks

Method description

Return all available networks.

Response Information

Object: Networks

HTTP code: 200 OK

Example Request

GET <http://127.0.0.1:8080/networks/>

GET /networks/:id

Method description

Return specified network.

Response Information

Object: Network

HTTP code: 200 OK

Example Request

GET <http://127.0.0.1:8080/networks/20a009a-5270-11e1-b961-001d0947ec73>

POST /networks

Method description

Create new network.

Parameters

id optional	UUID. If did not specified, generated by server. Example Values: 920a009a-5270-11e1-b961-001d0947ec73
country_code required	Positive integer. Example Values: 375
numbers_len required	Positive integer. Example Values: 7
prefix required	Repeated. Positive integers. Example Values: 29
provider_id required	Provider UUID. Example Values: 0a89542c-5270-11e1-bf27-001d0947ec73

Response Information

Object: Network

HTTP code: 201 Created

Example Request

POST 127.0.0.1:8080/networks

POST Data id=920a009a-5270-11e1-b961-

001d0947ec73&country_code=375&numbers_len=12&prefixes=29&prefixes=44&provider_id=0a89542c-5270-11e1-bf27-001d0947ec73

PUT /networks/:id

Method description

Update existing network.

Parameters

id required	UUID. If did not specified, generated by server. Example Values: 920a009a-5270-11e1-b961-001d0947ec73
country_code optional	Positive integer. Example Values: 375
numbers_len optional	Positive integer. Example Values: 7
prefix optional	Repeated. Positive integers. Example Values: 29
provider_id optional	Provider UUID. Example Values: 0a89542c-5270-11e1-bf27-001d0947ec73

Response Information

Object: Network

HTTP code: 200 OK

Example Request

PUT 127.0.0.1:8080/networks?id=920a009a-5270-11e1-b961-001d0947ec73&country_code=375&numbers_len=12&prefix=29&prefix=44&provider_id=0a89542c-5270-11e1-bf27-001d0947ec73

DELETE /networks/:id

Method description

Remove existing network.

Response Information

Object: none

HTTP code: 204 No content

Example Request

DELETE <http://127.0.0.1:8080/networks/920a009a-5270-11e1-b961-001d0947ec73>

Objects

Network

```
{
  network: {
    id: "3b25cd8e-5eca-11e1-bf77-00269e42f7a5",
    country_code: 375,
    numbers_len: 12,
    prefixes: [
      25
    ],
    provider_id: "0a89542c-5270-11e1-bf27-001d0947ec73"
  }
}
```

Networks

```
{
  networks: [
    {
      id: "3b25cd8e-5eca-11e1-bf77-00269e42f7a5",
      country_code: 375,
      numbers_len: 12,
      prefixes: [
        25
      ],
      provider_id: "0a89542c-5270-11e1-bf27-001d0947ec73"
    }
  ]
}
```

```
    },  
    {  
      id: "920a009a-5270-11e1-b961-001d0947ec73",  
      country_code: 375,  
      numbers_len: 12,  
      prefixes: [  
        29,  
        33,  
        44  
      ],  
      provider_id: "0a89542c-5270-11e1-bf27-001d0947ec73"  
    }  
  ]  
}
```

Resources :customers

Methods

GET /customers

Method description

Return all available customers.

Response Information

Object: Customers

HTTP code: 200 OK

Example Request

GET <http://127.0.0.1:8080/customers>

GET /customers/:id

Method description

Return specified customer. ID is customer system id.

Response Information

Object: Customer

HTTP code: 200 OK

Example Request

GET <http://127.0.0.1:8080/customer/feda5822-5271-11e1-bd27-001d0947ec73>

POST /customer

Method description

Create new customer.

Parameters

id optional	Customer UUID. Example Values: feda5822-5271-11e1-bd27-001d0947ec73
system_id required	Customer system id (SMPP ID/login). Example Values: test-sys-id
priority optional	Non negative integer. Obsolete Example Values: 0
rps required	Integer. Disabled. Example Values: 0

originator required	Repeated. Customer originator. allowed_originator is comma-delimited list of: addr(string), ton(integer), npi(integer). Example Values: 375296662323,0,0
default_originator required	Default customer originator. Example Values: 375296662323,0,0
network required	Repeated. Example Values: 920a009a-5270-11e1-b961-001d0947ec73
default_provider_id required	Provider UUID. Example Values:
receipts_allowed required	Boolean. Example Values: true
no_retry optional	Boolean. Obsolete Example Values: true
max_validity required	Maximum message validity period. Non negative integer. Seconds. Example Values: 70000
default_validity required	The validity_period parameter indicates the SMSC expiration time, after which the message should be discarded if not delivered to the destination. It can be defined in absolute time format or relative time format. The encoding of absolute and relative time format is specified in Section 7.1.1 of SMPP v3.4. Example Values: 0000030000000000R - 3 days relative to SMSC time.
state required	Customer state. Allowable values: 0 (blocked), 1 (active) Example Values: 0

Response Information

Object: Customer

HTTP code: 201 Created

Example Request

POST http://127.0.0.1:8080/customers

POST Data id=feda5822-5271-11e1-bd27-001d0947ec73&system_id=test-sys-id&rps=300&originator=375296662323,0,0&network=920a009a-5270-11e1-b961-001d0947ec73&receipts_allowed=true&default_validity=36000&max_validity=70000

PUT /customers/:id

Method description

Update existing customer.

Parameters

All parameters from POST section available but optional	
---	--

Response Information

Object: Customer

HTTP code: 200 OK

Example Request

PUT http://127.0.0.1:8080/customers/feda5822-5271-11e1-bd27-001d0947ec73?system_id=test-sys-id&rps=300&originator=375296662323.0.0&network=920a009a-5270-11e1-b961-001d0947ec73&receipts_allowed=true&default_validity=36000&max_validity=70000

DELETE /customers/:id

Method description

Remove existing customer.

Response Information

Object: none

HTTP code: 204 No content

Example Request

DELETE <http://127.0.0.1:8080/customers/feda5822-5271-11e1-bd27-001d0947ec73>

Objects

Customer

```
{
  id: "54d82c58-87b6-11e1-ba66-00269e42f7a5",
  system_id "smppclient2",
  name: "smppclient2",
  priority: null,
  rps: null,
  originators: [
    {
      addr: "375296663333",
      ton: 0,
      npi: 0
    }
  ],
  default_originator: null,
  networks: [
    "920a009a-5270-11e1-b961-001d0947ec73",
    "3b25cd8e-5eca-11e1-bf77-00269e42f7a5"
  ],
  default_provider_id: "3b25cd8e-5eca-11e1-bf77-00269e42f7a5",
  receipts_allowed: true,
  no_retry: null,
  default_validity: 40000,
```

```
max_validity: 70000,  
users: [  
  {  
    id: "smppclient2",  
    smpp_types: [  
      "receiver"  
    ]  
  }  
,  
  state: 1  
]
```

Customers

```
{  
  customers: [  
    object: customer  
  ]  
}
```

Resource :customer user

Methods

GET /customer/:customer_id/users

Method description

Return all users of specified customer.

Response Information

Object: Users
HTTP code: 200 OK

Example Request

GET <http://127.0.0.1:8080/customers/feda5822-5271-11e1-bd27-001d0947ec73/users>

GET /customer/:customer_id/users/:user_id

Method description

Return specified customer user.

Response Information

Object: User
HTTP code: 200 OK

Example Request

GET http://127.0.0.1:8080/customers/eda5822-5271-11e1-bd27-001d0947ec73/users/user_id

POST /customers/:customer_id/users

Method description

Create new customer user.

Parameters

id required	User id (login). Example Values: user
pswd required	User password. Example Values: password

smpp_type required	Repeated. Allowable values: <ul style="list-style-type: none"> • transmitter • receiver • transceiver Example Values: transmitter
------------------------------	--

Response Information

Object: User

HTTP code: 201 Created

Example Request

POST http://127.0.0.1:8080/customers/feda5822-5271-11e1-bd27-001d0947ec73/users

POST Data id=user&pswd=password&smpp_type=transmitter&smpp_type=receiver&smpp_type=transceiver

PUT /customers/:customer_id/users/:user_id

Method description

Update existing customer user.

Parameters

id required	User id (login). Permanent. Example Values: user
pswd optional	User password. Example Values: password

smpp_type optional	Repeated. Allowable values: <ul style="list-style-type: none"> • transmitter • receiver • transceiver Example Values: transmitter
------------------------------	--

Response Information

Object: User

HTTP code: 200 OK

Example Request

PUT http://127.0.0.1:8080/customers/feda5822-5271-11e1-bd27-001d0947ec73/users/user_id?pswd=password&smpp_type=transmitter&smpp_type=receiver&smpp_type=transceiver

DELETE /customers/:customer_id/users/:user_id

Method description

Delete customer user.

Response Information

Object: none

HTTP code: 204 No content

Example Request

DELETE http://127.0.0.1:8080/customers/feda5822-5271-11e1-bd27-001d0947ec73/users/user_id

Objects

User

```
{
  id: "user10",
  smpp_types: [
    "transceiver",
    "receiver",
    "transmitter"
  ]
}
```

Users

```
{
  users: [
    {
      id: "user10",
      smpp_types: [
        "transceiver",
        "receiver",
        "transmitter"
      ]
    },
    {
      id: "user9",
      smpp_types: [
        "transceiver",
        "receiver",
        "transmitter"
      ]
    }
  ]
}
```

Resource :addr2cust

Methods

GET /addr2cust/:msisdn

Method description

Return link, if exist.

Parameters

msisdn required	addr(string), ton(integer), npa(integer) Example Values: 375296667788,1,0
---------------------------	---

Response Information

Object: Msisdn

HTTP code: 200 OK

Example Request

GET /addr2cust/375296667788,1,0

GET /addr2cust

Method description

Return customer user msisdn list.

Parameters

customer required	Customer UUID.
-----------------------------	----------------

user required	User name.
-------------------------	------------

Response Information

Object: Msisdn

HTTP code: 200 OK

Example Request

GET /addr2cust/375296667788,1,0

POST /addr2cust

Method description

Create new link customer <-> msisdn.

Parameters

msisdn required	addr(string), ton(integer), npa(integer) Example Values: 375296667788,1,0
customer required	Customer UUID. Example Values: feda5822-5271-11e1-bd27-001d0947ec73
user required	User ID. String. Example Values: user_id

Response Information

Object: Msisdn

HTTP code: 201 Created

Example Request

POST 127.0.0.1:8080/addr2cust

POST Data msisdn=375296667788,0,0&customer=feda5822-5271-11e1-bd27-001d0947ec73&user=user_id

DELETE /addr2cust/:msisdn

Method description

Remove link, if exist.

Parameters

msisdn required	addr(string), ton(integer), npi(integer) Example Values: 375296667788,1,0
---------------------------	---

Response Information

Object: none

HTTP code: 204 No content

Example Request

DELETE /addr2cust/375296667788,0,0

Objects

Msisdn

```
{
  msisdn: {
    addr: "375296667788",
    ton: 0,
    npi: 0
  },
  customer: "feda5822-5271-11e1-bd27-001d0947ec73",
  user: "user_id"
```

```
}
```

Msisdns

```
{  
  msisdns: [{  
    addr: "375296667788",  
    ton: 0,  
    npi: 0  
  }],  
  customer: "feda5822-5271-11e1-bd27-001d0947ec73",  
  user: "user_id"  
}
```

Common service exceptions

JSON structure:

```
{  
  request_error: {  
    service_exception: {  
      message_id: "SVC0001",  
      text: "Invalid input %1 parameter value.",  
      variables: ["address"]  
    }  
  }  
}
```

ID	EXCEPTION TEXT	VARIABLES	HTTP CODE
SVC0001	Invalid input %1 parameter value.	%1 - parameter name	400 Bad Request

SVC0002	Invalid input %1 parameter value, valid values are %2	%1 - parameter name %2 - list of available values	400 Bad Request
SVC0003	Resource not found.	None	404 Not Found
SVC0004	Resource already exist.	None	400 Bad Request
SVC0005	Missing mandatory %1 parameter.	%1 - parameter name	400 Bad Request
SVC0006	Http method %1 not supported.	%1 - http method	400 Bad Request
SVC0007	Error in path	None	400 Bad Request
SVC0008	Customer's "rps" setting is disabled. See http://extranet.powermemobile.com/issues/17465 for detail.	None	400 Bad Request