



WANESY SPN SYSTEM WEB SERVICES

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TABLE OF CONTENT

| | |
|--|----|
| Wanesy SPN System Web Services..... | 1 |
| History..... | 1 |
| Table of content..... | 2 |
| Reference..... | 4 |
| Glossary..... | 4 |
| Introduction..... | 5 |
| 1. Wanesy SPN System REST API..... | 5 |
| 1.1 Login..... | 5 |
| 1.2 Configuration and administration..... | 6 |
| 1.2.1 Get Ethernet (LAN) configuration..... | 6 |
| 1.2.2 Set Ethernet (LAN) configuration..... | 7 |
| 1.2.3 Get Wi-Fi (WLAN) configuration..... | 8 |
| 1.2.4 Set Wi-Fi (WLAN) configuration..... | 9 |
| 1.2.5 Get GSM configuration..... | 10 |
| 1.2.6 Set GSM configuration..... | 11 |
| 1.2.7 Get OpenVPN configuration..... | 12 |
| 1.2.8 Set OpenVPN configuration..... | 13 |
| 1.2.9 Get OpenVPN working file list..... | 14 |
| 1.2.10 Download OpenVPN configuration..... | 15 |
| 1.2.11 Upload OpenVPN configuration..... | 16 |
| 1.2.12 Download OpenVPN certificate..... | 17 |
| 1.2.13 Upload OpenVPN certificate..... | 18 |
| 1.2.14 Upload OpenVPN certificate archive..... | 19 |
| 1.2.15 Get time zones..... | 20 |
| 1.2.16 Get time configuration..... | 21 |
| 1.2.17 Set time configuration..... | 22 |
| 1.2.18 Get log..... | 23 |
| 1.2.19 Download log..... | 24 |
| 1.2.20 Download configuration..... | 25 |

| | | |
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| | |
|----------------------------------|----|
| 1.2.21 Upload configuration..... | 26 |
| 1.2.22 Reset configuration..... | 27 |
| 1.2.23 Update..... | 28 |
| 1.2.24 Restore..... | 29 |
| 1.2.25 Reboot..... | 30 |
| 1.2.26 Halt..... | 31 |
| 1.2.27 Set password..... | 32 |
| 1.2.28 Get version..... | 33 |
| 1.2.29 Get status..... | 34 |
| 2. Data Transfer Object..... | 35 |
| 2.1 UserDto..... | 35 |
| 2.2 JWTDto..... | 35 |
| 2.3 LANConfigurationDto..... | 35 |
| 2.4 WLANConfigurationDto..... | 35 |
| 2.5 GSMConfigurationDto..... | 36 |
| 2.6 OpenVPNDto..... | 36 |
| 2.7 OpenVPNFileListDto..... | 36 |
| 2.8 TimeZonesDto..... | 36 |
| 2.9 TimeDto..... | 37 |
| 2.10 PasswordDto..... | 37 |
| 2.11 VersionDto..... | 37 |
| 2.12 StatusDto..... | 37 |
| 2.13 ErrorDto..... | 38 |
| 2.14 PaginatedDto..... | 38 |
| End of document..... | 39 |

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REFERENCE

| Reference | Document / link | Description |
|-----------|-----------------|-------------|
| | | |
| | | |
| | | |

GLOSSARY

| Abbreviation | Description |
|--------------|-------------------------------------|
| API | Application Programming Interface |
| DHCP | Dynamic Configuration Host Protocol |
| DTO | Data Transfer Object |
| IoT | Internet of Things |
| IP | Internet Protocol |
| JSON | JavaScript Object Notation |
| LAN | Local Area Network |
| REST | REpresentational State Transfer |
| URI | Uniform Resource Identifier |
| Wi-Fi | Wireless-Fidelity |
| WLAN | Wireless LAN |

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Introduction

This document describes the system specific web services provided by Wanesy SPN firmware.

1. Wanesy SPN System REST API

1.1 Login

The login web service allows a user to authenticate to the middleware by providing its login and password fields, and in case of success getting a token that he will use for the next requests.

Note: the token has an expiration date that can be defined in the properties file.

| Request | | | | |
|------------|--------------|--|-------------|-------------|
| Signature | Method | login | | |
| | URI | POST /application/administration/login | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| Body | userDto | UserDto (login and password) | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 201 | JWTDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2 Configuration and administration

1.2.1 Get Ethernet (LAN) configuration

| Request | | | | |
|------------|---------------|-------------------------------------|-------------|-------------|
| Signature | Method | getLANConfiguration | | |
| | URI | GET /application/administration/lan | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | LANConfigurationDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.2 Set Ethernet (LAN) configuration

| Request | | | | |
|------------|---------------------|-------------------------------------|-------------|-------------|
| Signature | Method | setLANConfiguration | | |
| | URI | PUT /application/administration/lan | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | LANConfigurationDto | LANConfigurationDto | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

Note: the call of this web service may not lead to a response if called from LAN interface and if web service requests a LAN disconnection.

1.2.3 Get Wi-Fi (WLAN) configuration

| Request | | | | |
|------------|---------------|--------------------------------------|-------------|-------------|
| Signature | Method | getWLANConfiguration | | |
| | URI | GET /application/administration/wlan | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | WLANConfigurationDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.4 Set Wi-Fi (WLAN) configuration

| Request | | | | |
|------------|----------------------|--------------------------------------|-------------|-------------|
| Signature | Method | setWLANConfiguration | | |
| | URI | PUT /application/administration/wlan | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | WLANConfigurationDto | WLANConfigurationDto | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

Note: the call of this web service may not lead to a response if called from WLAN interface and if web service requests a WLAN disconnection.

1.2.5 Get GSM configuration

| Request | | | | |
|------------|---------------|-------------------------------------|-------------|-------------|
| Signature | Method | getGSMConfiguration | | |
| | URI | GET /application/administration/gsm | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | GSMConfigurationDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.6 Set GSM configuration

| Request | | | | |
|------------|---------------------|-------------------------------------|-------------|-------------|
| Signature | Method | setGSMConfiguration | | |
| | URI | PUT /application/administration/gsm | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | GSMConfigurationDto | GSMConfigurationDto | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

Note: the call of this web service may not lead to a response if called from GSM interface and if web service requests a GSM disconnection.

1.2.7 Get OpenVPN configuration

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | getOpenVPNConfiguration | | |
| | URI | GET /application/administration/openvpn | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | OpenVPNDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.8 Set OpenVPN configuration

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | setOpenVPNConfiguration | | |
| | URI | PUT /application/administration/openvpn | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | networkDto | OpenVPNDto | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.9 Get OpenVPN working file list

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | getOpenVPNWorkingFileList | | |
| | URI | GET /application/administration/openvpn_file_list | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | OpenVPNFileListDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.10 Download OpenVPN configuration

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | downloadOpenVPNConfiguration | | |
| | URI | GET /application/administration/openvpn_configuration | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | text/plain; charset=utf-8 | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | OpenVPN configuration file content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.11 Upload OpenVPN configuration

| Request | | | | |
|------------|----------------------------|---|-------------|-------------|
| Signature | Method | uploadOpenVPNConfiguration | | |
| | URI | POST /application/administration/openvpn_configuration | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | Content-Type: multipart/form-data; boundary= | | |
| | Authorization | Bearer <token> | | |
| Body | OpenVPN configuration file | OpenVPN configuration file with the following properties: Content-Disposition: form-data; name="file"; filename="openvpn_configuration" Content-Type: application/octet-stream | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.12 Download OpenVPN certificate

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | downloadOpenVPNCertificate | | |
| | URI | GET /application/administration/openvpn_certificate | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | text/plain; charset=utf-8 | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | OpenVPN certificate file content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.13 Upload OpenVPN certificate

| Request | | | | |
|------------|--------------------------|---|-------------|-------------|
| Signature | Method | uploadOpenVPNCertificate | | |
| | URI | POST /application/administration/openvpn_certificate | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | Content-Type: multipart/form-data; boundary= | | |
| | Authorization | Bearer <token> | | |
| Body | OpenVPN certificate file | OpenVPN certificate file with the following properties: Content-Disposition: form-data; name="file"; filename="openvpn_certificate" Content-Type: application/octet-stream | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.14 Upload OpenVPN certificate archive

| Request | | | | |
|------------|----------------------------------|---|-------------|-------------|
| Signature | Method | uploadOpenVPNCertificateArchive | | |
| | URI | POST /application/administration/openvpn_certificate_archive | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | Content-Type: multipart/form-data; boundary= | | |
| | Authorization | Bearer <token> | | |
| Body | OpenVPN certificate archive file | OpenVPN certificate archive file with the following properties: Content-Disposition: form-data; name="file"; filename="openvpn_certificate_archive" Content-Type: application/octet-stream | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.15 Get time zones

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | getTimeZones | | |
| | URI | GET /application/administration/timezones | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | TimeZonesDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.16 Get time configuration

| Request | | | | |
|------------|---------------|--------------------------------------|-------------|-------------|
| Signature | Method | getTimeConfiguration | | |
| | URI | GET /application/administration/time | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | TimeDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.17 Set time configuration

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | setTimeConfiguration | | |
| | URI | PUT /application/administration/time | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | timeDto | TimeDto. Leave field date_time blanked to not set date/time | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.18 Get log

| Request | | | | |
|------------|---------------|--|-------------|---|
| Signature | Method | getLog | | |
| | URI | GET /application/administration/log/{type} | | |
| Parameters | Name | Type | Mandatory | Description |
| | type | String | Yes | 'public': public logs 'lora_mac_server': LoRa MAC server logs 'packet_forwarder': packet forwarder 'internal': internal logs |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | text/plain; charset=utf-8 | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | Log content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.19 Download log

| Request | | | | |
|------------|---------------|---|-------------|--|
| Signature | Method | downloadLog | | |
| | URI | GET /application/administration/log/file/{type} | | |
| Parameters | Name | Type | Mandatory | Description |
| | type | String | Yes | 'internal': internal logs 'public': public logs 'lora_mac_server': LoRa MAC server logs 'packet_forwarder' packet forwarder |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/octet-stream | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | Log file content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.20 Download configuration

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | downloadConfiguration | | |
| | URI | GET /application/administration/configuration | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | text/plain; charset=utf-8 | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | Configuration file content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.21 Upload configuration

| Request | | | | |
|------------|--------------------|---|-------------|-------------|
| Signature | Method | uploadConfiguration | | |
| | URI | POST /application/administration/configuration | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | Content-Type: multipart/form-data; boundary= | | |
| | Authorization | Bearer <token> | | |
| Body | Configuration file | Configuration file with the following properties: Content-Disposition: form-data; name="file"; filename="data.json" Content-Type: text/plain | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.22 Reset configuration

| Request | | | | |
|------------|---------------|--|-------------|-------------|
| Signature | Method | resetConfiguration | | |
| | URI | POST /application/administration/configuration/reset | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.23 Update

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | update | | |
| | URI | POST /application/administration/update | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | Content-Type: multipart/form-data; boundary= | | |
| | Authorization | Bearer <token> | | |
| Body | firmware | Binary firmware update file with the following properties: Content-Disposition: form-data; name="file"; filename="firmware.ipk" Content-Type: application/octet-stream | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.24 Restore

| Request | | | | |
|------------|---------------|--|-------------|---------------------|
| Signature | Method | restore | | |
| | URI | POST /application/administration/restore/{restoreType} | | |
| Parameters | Name | Type | Mandatory | Description |
| | restoreType | String | no | “backup” or “stock” |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.25 Reboot

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | reboot | | |
| | URI | POST /application/administration/reboot | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.26 Halt

| Request | | | | |
|------------|---------------|---------------------------------------|-------------|-------------|
| Signature | Method | halt | | |
| | URI | POST /application/administration/halt | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.27 Set password

| Request | | | | |
|------------|---------------|--|-------------|-------------|
| Signature | Method | setPassword | | |
| | URI | PUT /application/administration/password | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | passwordDto | PasswordDto | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 204 | No Content | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.28 Get version

| Request | | | | |
|------------|---------------|---|-------------|-------------|
| Signature | Method | getVersion | | |
| | URI | GET /application/administration/version | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | VersionDto | | |
| | 4xx, 5xx | ErrorDto | | |

1.2.29 Get status

| Request | | | | |
|------------|---------------|--|-------------|-------------|
| Signature | Method | getStatus | | |
| | URI | GET /application/administration/status | | |
| Parameters | Name | Type | Mandatory | Description |
| | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Authorization | Bearer <token> | | |
| Body | | | | |
| Response | | | | |
| Header | Name | Value | | |
| | Content-Type | application/vnd.kerlink.iot-v1+json | | |
| | Location | | | |
| Parameters | Name | Type | Description | |
| | | | | |
| Body | Status | Value | | |
| | 200 | StatusDto | | |
| | 4xx, 5xx | ErrorDto | | |

2. Data Transfer Object

2.1 UserDto

| Field | Type | Description |
|----------|--------|-------------|
| login | String | Login |
| password | String | Password |

2.2 JWTDto

| Field | Type | Description |
|-----------------|---------|-------------------------------------|
| token | String | Token value |
| token_type | String | Token type {Bearer} |
| expiration_date | Integer | Expiration date (EPOCH date in sec) |

2.3 LANConfigurationDto

| Field | Type | Description |
|--------------|--------|---|
| ipv4 | String | IPv4 configuration type {dhcp, static, off} |
| ipv4_address | String | IPv4 address |
| ipv4_netmask | String | IPv4 netmask or prefix length |
| ipv4_gateway | String | IPv4 gateway |

2.4 WLANConfigurationDto

| Field | Type | Description |
|--------------|---------|---|
| available | Boolean | True: WLAN available; False: WLAN not available (Read only) |
| name | String | Network name |
| passphrase | String | Password |
| ipv4 | String | IPv4 configuration type {dhcp, static, off} |
| ipv4_address | String | IPv4 address |
| ipv4_netmask | String | IPv4 netmask or prefix length |
| ipv4_gateway | String | IPv4 gateway |

2.5 GSMConfigurationDto

| Field | Type | Description |
|--------------|---------|---|
| available | Boolean | True: GSM available; False: GSM not available (Read only) |
| enable | Boolean | True: on; False: off |
| operator | Object | Operator |
| operator.mcc | String | Mobile Country Code |
| operator.mnc | String | Mobile Network Code |
| apn | String | APN |
| pin_code | String | PIN code |
| user | String | User |
| password | String | Password |

2.6 OpenVPNDto

| Field | Type | Description |
|--------|---------|--|
| enable | Boolean | Enable state of OpenVPN service: - True: enable - False: disable |
| status | Boolean | Status of OpenVPN service: - True: started - False: stopped |

2.7 OpenVPNFileListDto

| Field | Type | Description |
|-------------------------------|--------|---|
| certificate_file_name | String | OpenVPN certificate file name If empty the file is missing |
| certificate_archive_file_name | String | OpenVPN certificate archive file name If empty the file is missing |
| configuration_file_name | String | OpenVPN configuration file name If empty the file is missing |

2.8 TimeZonesDto

| Field | Type | Description |
|-----------|--------------------------|---------------------|
| timezones | Object[] of string | Array of time zones |

2.9 TimeDto

| Field | Type | Description |
|---------------|------------------|---|
| ntp | Object | NTP object |
| ntp.polling | Unsigned integer | NTP polling period |
| ntp.address_1 | String | NTP address 1 |
| ntp.address_2 | String | NTP address 2 |
| timezone | String | Timezone |
| date_time | String | Date/time in YYYYmmddHHMMSS format: - YYYY: year, 0000 to 9999 - mm: month, 01 to 12 - dd: day, 01 to 12 - HH: hour, 00 to 23 - mm: minute, 00 to 59 - ss: second, 00 to 59 |

2.10 PasswordDto

| Field | Type | Description |
|----------|--------|-------------|
| password | String | Password |

2.11 VersionDto

| Field | Type | Description |
|------------------------|--------|------------------------|
| firmware_version | String | Firmware version |
| hardware_serial_number | String | Hardware serial number |

2.12 StatusDto

| Field | Type | Description |
|------------------------------|---------|----------------------|
| network | Object | Network |
| network.lan | Object | LAN |
| network.lan.status | Boolean | LAN status |
| network.lan.hardware_address | String | LAN hardware address |
| network.lan.address | String | LAN address |

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| | | |
|-------------------------------|---------|-----------------------|
| network.lan.broadcast | String | LAN broadcast |
| network.lan.netmask | String | LAN netmask |
| network.wlan | Object | WLAN |
| network.wlan.status | Boolean | WLAN status |
| network.wlan.hardware_address | String | WLAN hardware address |
| network.wlan.address | String | WLAN address |
| network.wlan.broadcast | String | WLAN broadcast |
| network.wlan.netmask | String | WLAN netmask |
| network.gsm | Object | GSM |
| network.gsm.status | Boolean | GSM status |
| network.gsm.address | String | GSM address |
| network.gsm.broadcast | String | GSM broadcast |
| network.gsm.netmask | String | GSM netmask |

2.13 ErrorDto

| Field | Type | Description |
|------------|----------|--|
| code | String | Message code: { ERROR_BAD_PARAMETER, ERROR_INTERNAL, ERROR_INVALID_JSON, ERROR_LICENSE ERROR_LOGIN, ERROR_NOT_IMPLEMENTED, WARNING_SYSTEM_BUSY, WARNING_INVALID_FIRMWARE } |
| message | String | Error message |
| parameters | Object[] | The array objects used to build the message |

2.14 PaginatedDto

| Field | Type | Description |
|-------------|---------|---------------------------------|
| page | Integer | Page number [1..n] |
| nb_pages | Integer | Number of pages |
| page_size | Integer | The page size |
| count | Integer | The number of elements per page |
| total_count | Integer | The total number of elements |

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