

Table of Contents

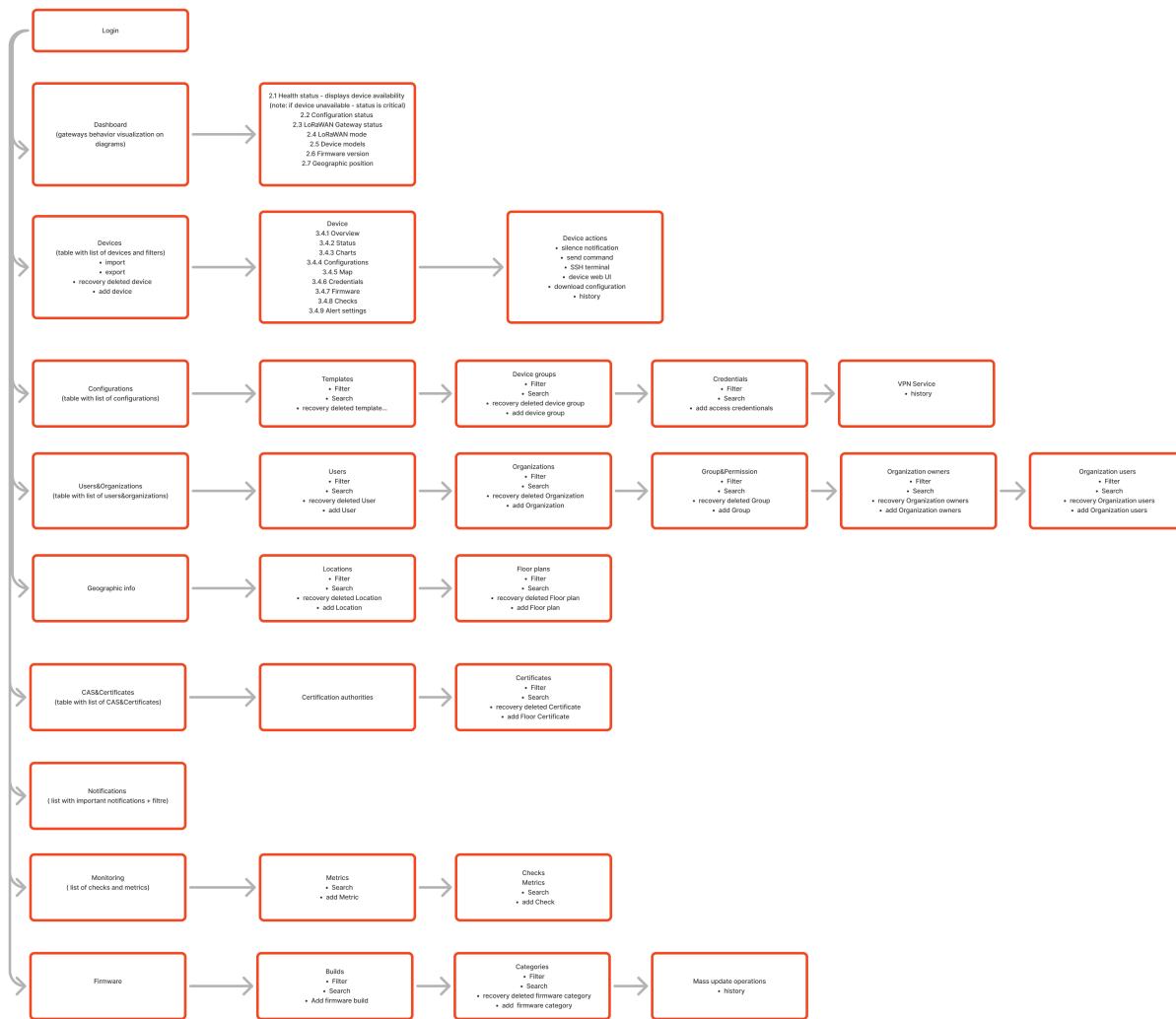
JOOBY MMS	3
<i>Product intro</i>	3
<i>Product tree</i>	3
<i>User flow</i>	3
1. Login form	4
2. Dashboard	4
3. Devices	6
3.1 Device adding	7
3.2 Device menu	8
Overview	8
Status	9
Charts	10
Logs	16
Configurations	17
Map	19
Credentials	19
Firmware	20
Checks - monitoring	21
Alert Settings	22
4 Configurations	22
4.1 Templates	22
4.2 Device groups	23
4.3 Access Credentials	23
5. Users & Organizations	24
6. Geographic info	24
7. CAS & Certificates	24
8. Notifications	25
9. Monitoring	25

JOOBY MMS

Product intro

JOOBY MMS - (monitoring and management system) is an innovative product for controlling and monitoring **Jooby Gateways**.

Product tree



User flow

1. Login form

The screenshot shows the login page for the jooby MMS system. At the top, there is a logo with the text "jooby MMS" where "MMS" is in a blue box, followed by the subtitle "Monitoring and Management". Below the logo, a breadcrumb navigation shows "Home > Log in". The main area contains two input fields: one for "Email, phone number or username:" and another for "Password:". Below the password field is a link "Forgot Password?". A large "Log in" button is centered at the bottom of the form.

jooby MMS
Monitoring and Management

Home > Log in

Email, phone number or username:

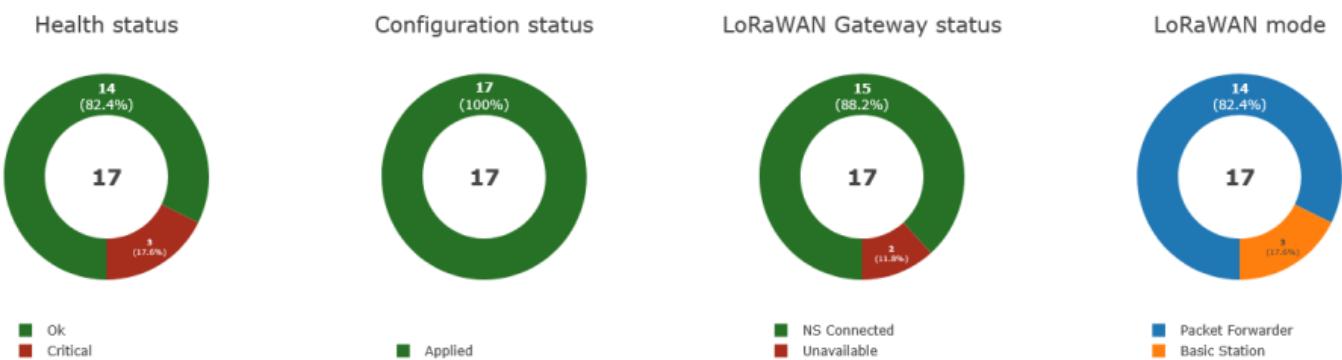
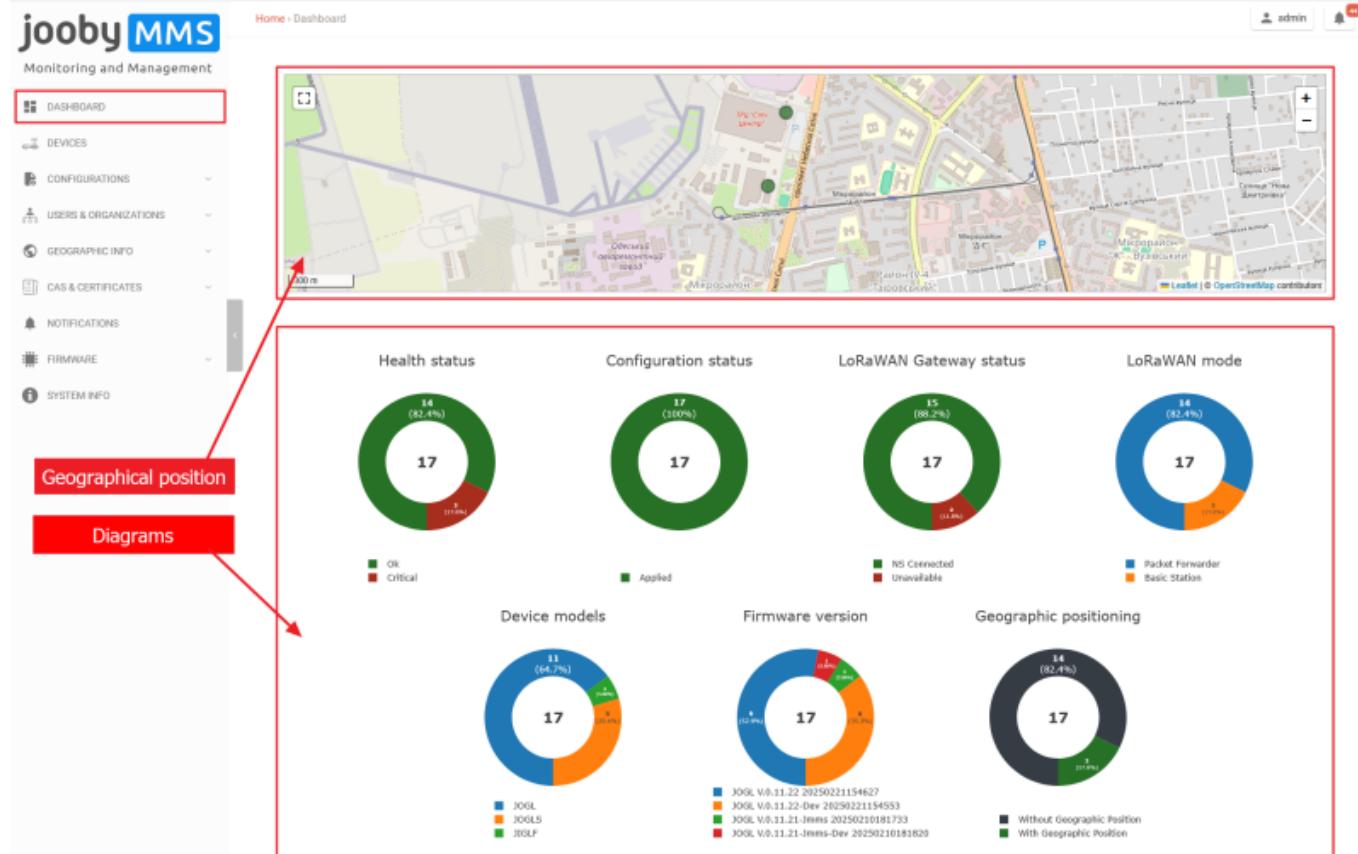
Password:

[Forgot Password?](#)

Log in

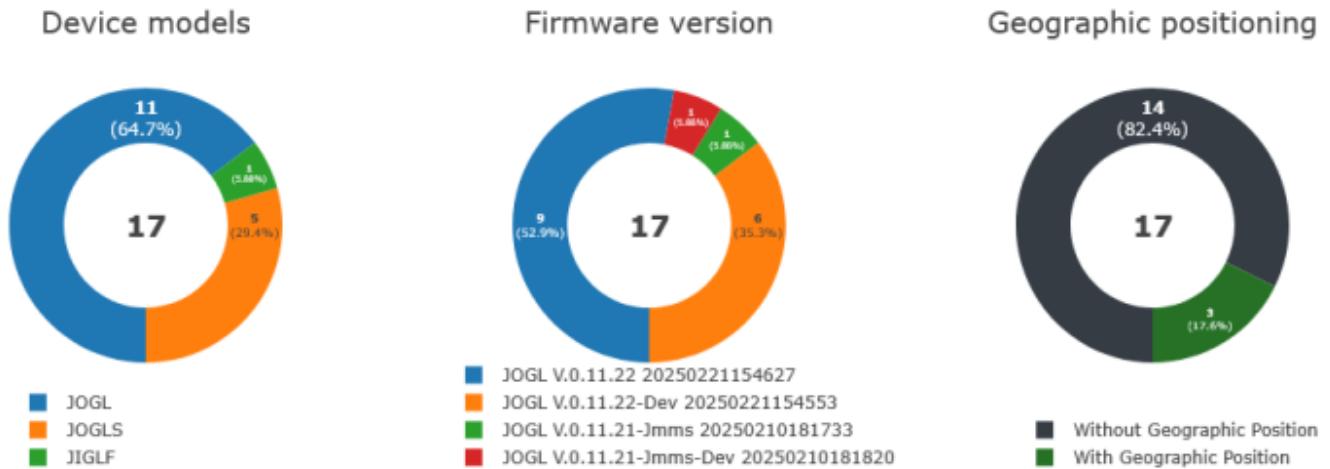
2. Dashboard

Gateways behavior visualization on diagrams



- **Health status** - displays device availability (note: if device unavailable - status is critical)
- **Configuration status** - displays the status of installing a new configuration on the device
- **LoRaWAN Gateway status**
- **LoRaWAN mode** (Packet forwarder or basic station)

Off → All modules in admin p. is off. Unavailable → not exist anyone module with 'on' state and 'available'. NS Connected → if exists any module in state 'on' + available + ns connected NS Disconnected → If not exists anyone module in (state 'on' + available + ns connected)



- **Device models**
- **Firmware version**
- **Geographic position** - displays devices with assigned geolocation and marking them on a map



All diagram sections are clickable, the user could click and the system will redirect him to the corresponding tab

3. Devices

The screenshot shows the 'Devices' section of the jooby MMS interface. On the left, there's a sidebar with navigation links: DASHBOARD, DEVICES (which is highlighted), CONFIGURATIONS, USERS & ORGANIZATIONS, CAS & CERTIFICATES (with a 'Filter' button), FIRMWARE, and SYSTEM INFO. The main area has a 'Filter' bar at the top with dropdowns for 'By organization' (set to 'All'), 'By group' (set to 'All'), 'By model' (set to 'All'), 'By configuration status' (set to 'All'), 'By created' (set to 'Any date'), and 'By LoRa network server status' (set to 'All'). Below the filter is a search bar and a 'Select Device to change' dropdown. A red box highlights the 'Filter' bar. To the right, a table lists 17 devices. The columns are: NAME, ORGANIZATION, GROUP, MODEL, SERIAL NUMBER, FIRMWARE VERSION, HEALTH STATUS, CONFIG STATUS, CONFIG CHECKSUM, MODIFIED, and CREATED. The first five rows of the table are also highlighted with a red box.

NAME	ORGANIZATION	GROUP	MODEL	SERIAL NUMBER	FIRMWARE VERSION	HEALTH STATUS	CONFIG STATUS	CONFIG CHECKSUM	MODIFIED	CREATED
jogl-8816c1	Support	-	JIGLF	122024N000056	JOGL v.0.11.22-20250221154627	Critical	Applied	7ba5a76d680026f40814ea630f8d1263	25 Feb 2025, 1:07 p.m.	25 Feb 2025, 1:07 p.m.
jogl-3f40ee	Support	Long_test	JOGL	122016N000397	JOGL v.0.11.22-dev-20250221154553	OK	Applied	0124dd16d03fb5382bf5cd36ec1f5fd	24 Feb 2025, 8:57 a.m.	19 Feb 2025, 2:18 p.m.
jogl-3f40f1	Support	Long_test	JOGL	122016N000400	JOGL v.0.11.22-dev-20250221154553	OK	Applied	0124dd16d03fb5382bf5cd36ec1f5fd	24 Feb 2025, 9:03 a.m.	19 Feb 2025, 2 p.m.
jogl-3f40f3	Support	Long_test	JOGL	122016N000402	JOGL v.0.11.22-dev-20250221154553	OK	Applied	0124dd16d03fb5382bf5cd36ec1f5fd	24 Feb 2025, 9:10 a.m.	20 Feb 2025, 7:40 a.m.
jogl-3f40f5	Support	Dia_test	JOGL	122016N000404	JOGL v.0.11.21-jmms-dev-20250210181820	Critical	Applied	df8323f9bb238d01c4d5b4b33c542d7c	14 Feb 2025, 2:47 a.m.	13 Feb 2025, 4:03 p.m.

- **Filter** (by organization, by group, by model, by configuration status, by date created, by LoRaWAN network server status, by mode, by geo position)
- **List of devices**



Config checksum is to understand whether the devices have the same configurations according to the selected templates or personal device config

3.1 Device adding

- via service panel

The screenshot shows the Jooby MMS Admin Panel's Devices section. At the top, there are several filter dropdowns: By organization (All), By group (All), By model (All), By configuration status (All), By created (Any date), and By Lora network server status (All). Below these is a search bar with a 'Search' button. To the right of the search bar are four buttons: IMPORT, EXPORT, RECOVER DELETED DEVICES, and + ADD DEVICE, all enclosed in a red box. Further down is a table header with columns: NAME, ORGANIZATION, GROUP, MODEL, SERIAL NUMBER, FIRMWARE VERSION, HEALTH STATUS, CONFIG STATUS, CONFIG CHECKSUM, MODIFIED, and CREATED. A search bar and a '0 of 17 selected' indicator are also present above the table.

- via shared secret (copy the secret key and add it to device settings in the admin panel)

The screenshot shows the Jooby MMS Admin Panel's Configuration Management Settings. On the left, a sidebar lists: USERS & ORGANIZATIONS (highlighted with a red box), Users, Organizations (highlighted with a red box and has a red arrow pointing to the 'Shared secret' field), Groups & Permissions, Organization Owners, Organization Users, and GEOGRAPHIC INFO. The main area is titled 'CONFIGURATION MANAGEMENT SETTINGS' and contains a section for 'Configuration management settings: Support'. It includes a checked checkbox for 'Auto-registration enabled' and a description: 'Whether automatic registration of devices is enabled or not'. Below this is a 'Shared secret:' field containing the value 'dpNgveJxLF9HZJR90AxeCp812KIP2mtX', which is also highlighted with a red box. A note below the field says 'used for automatic registration of devices'.

The screenshot shows the Jooby Gateway Admin Panel's General Settings for a device with MAC: 00:1a:79:84:06:bf and SN: 062024N000288. The left sidebar includes: DASHBOARD, LORAWAN, NETWORK, VPN, APPS, SYSTEM (highlighted with a green box), Status, Administration, JMMS (highlighted with a green box), Geoposition, Power monitor, Processes, System log, Disk utils, Firmware, and Reboot. The main area shows 'Jooby monitoring and management system' and 'Configure, start and stop the agent on this device.' Under 'General Settings', there are fields for Name (jogl-8406bf), UUID (bc963f0ef740424b8e9e43e46529d8fa), Key (6d798f2e966e6110b9a8ee8ea2b5448a), Enable (Enabled), Server URL (http://10.112.64.85:8000), Shared Secret (*****), and Update Interval (120). A note next to the Shared Secret field says 'The organization shared secret for auto enrollment.' At the bottom are 'Save & Apply' and 'Reset' buttons.

After the device receives URL and token it automatically displays at the device table

3.2 Device menu

- The user could click on any device and go into the device menu

Overview

- display all settings and configs that the device received from the admin panel and the device health check

The screenshot shows the 'Devices' section of the JOOBY MMS interface. On the left is a sidebar with various icons. The main area has a header with 'Change Device (jogl-3f40ee)' and several buttons: SILENCE NOTIFICATIONS, SEND COMMAND, SSH TERMINAL, DEVICE WEBUI, DOWNLOAD CONFIGURATION, and HISTORY. Below this are tabs: Overview (selected), Status, Charts, Logs, Configuration, Map, Credentials, Firmware, Recent Firmware Upgrades, Checks, and Alert Settings. The 'Overview' tab contains the following fields:

- Name:** jogl-3f40ee
- Organization:** Support
- Mac address:** 00:1A:79:3F:40:EE
primary mac address
- UUID:** e26ed6de-daba-4493-a38a-72cf962329ec
- Key:** dc57ea1e141cdb4802bb39add55399a5
unique device key
- Group:** Long_test
- Health status:** OK

"unknown" means the device has been recently added;
 "ok" means the device is operating normally;
 "problem" means the device is having issues but it's still reachable;
 "critical" means the device is not reachable or in critical conditions;
- Last ip:** 10.110.11.215
indicates the IP address logged from the last request coming from the device
- Management ip:** 10.110.11.215

IP address used by the system to reach the device when performing any type of push operation or active check. The value of this field is generally sent by the device and hence does not need to be changed, but can be changed or cleared manually if needed.
- Model:** JOGL
device model and manufacturer
- Serial number:** 122016N000397
- Firmware version:** JOGL v.0.11.23-dev 20250225174923
- Hardware version:** C001E4W1L2G12A22110
- Notes:** internal notes
- Created:** 19 Feb 2025, 2:18 p.m.
- Modified:** 27 Feb 2025, 3:35 p.m.

At the bottom left is a note icon with the text: 'In this tab, the user can also add the device to some group'.

Status

- the state of the metrics that the device gives (CPU, RAM status, Storage, Interface status,

Neighbors)

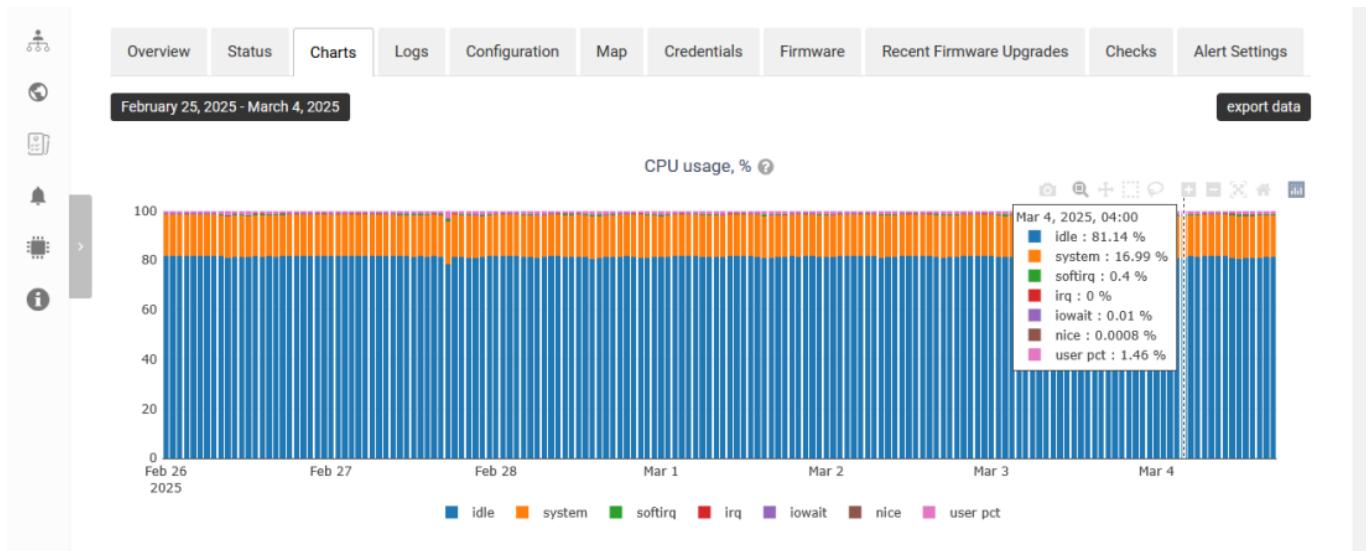
The screenshot shows the 'Status' tab selected in the top navigation bar. On the left, there's a vertical sidebar with icons for Overview, Status, Charts, Logs, Configuration, Map, Credentials, Firmware, Recent Firmware Upgrades, Checks, and Alert Settings. Below the sidebar, the main content area displays the following information:

- CPU:**
 - Local time: 4 Mar 2025, 12:06 p.m.
 - Uptime: 4 days, 18 hours and 31 minutes
 - Load average: 0.92, 0.79, 0.78
 - Cores: 1
- RAM STATUS:**
 - Total: 442.2 MB
 - Free: 29.8 MB
 - Available: 362.6 MB
 - Buffered: 17.9 MB
 - Shared: 9.2 MB
- STORAGE:**

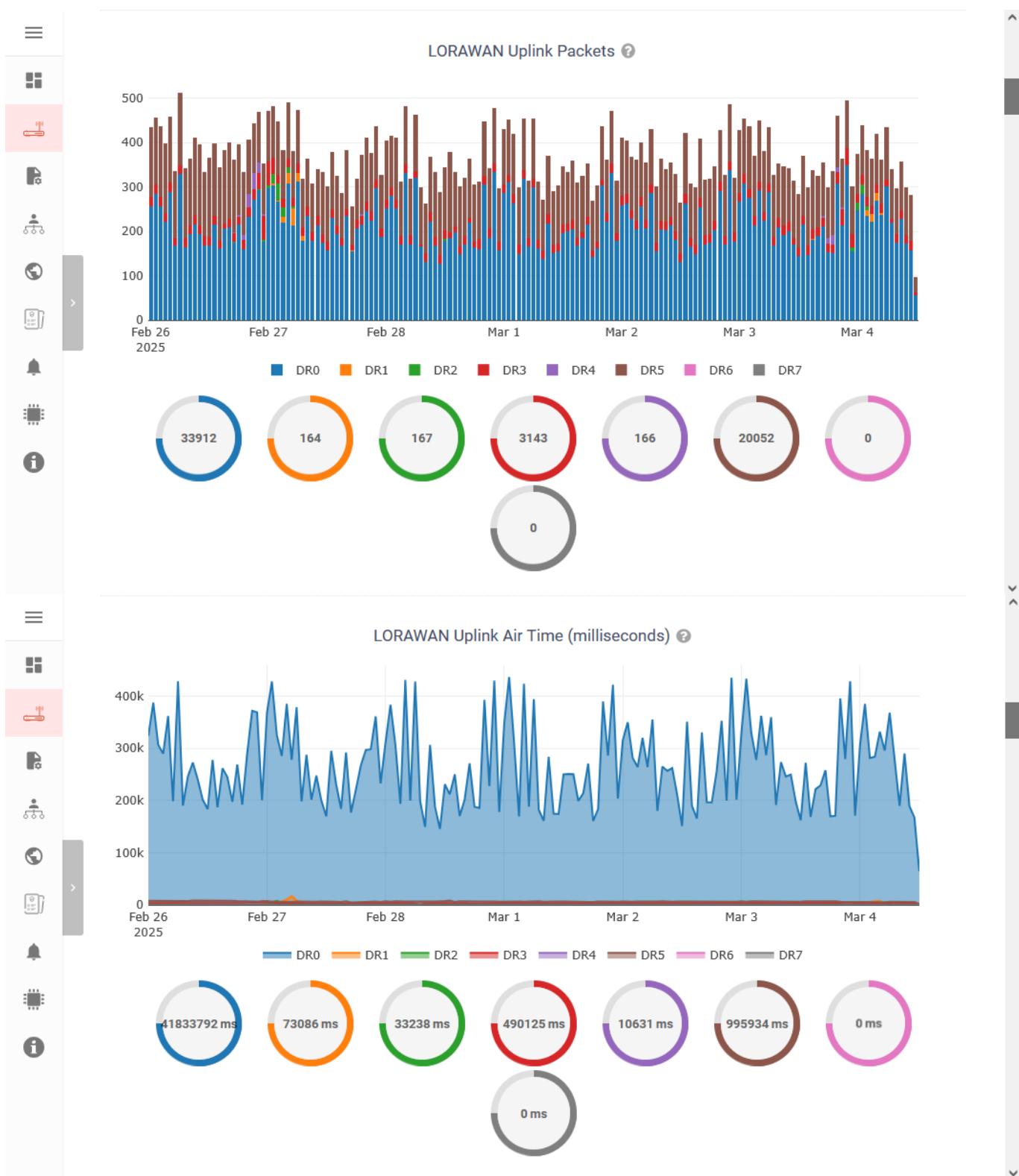
FILESYSTEM	USED SPACE	AVAILABLE SPACE	TOTAL SPACE	PERCENT USED	MOUNTED ON
/dev/root	204.6 MB	467.4 MB	709.6 MB	31%	/

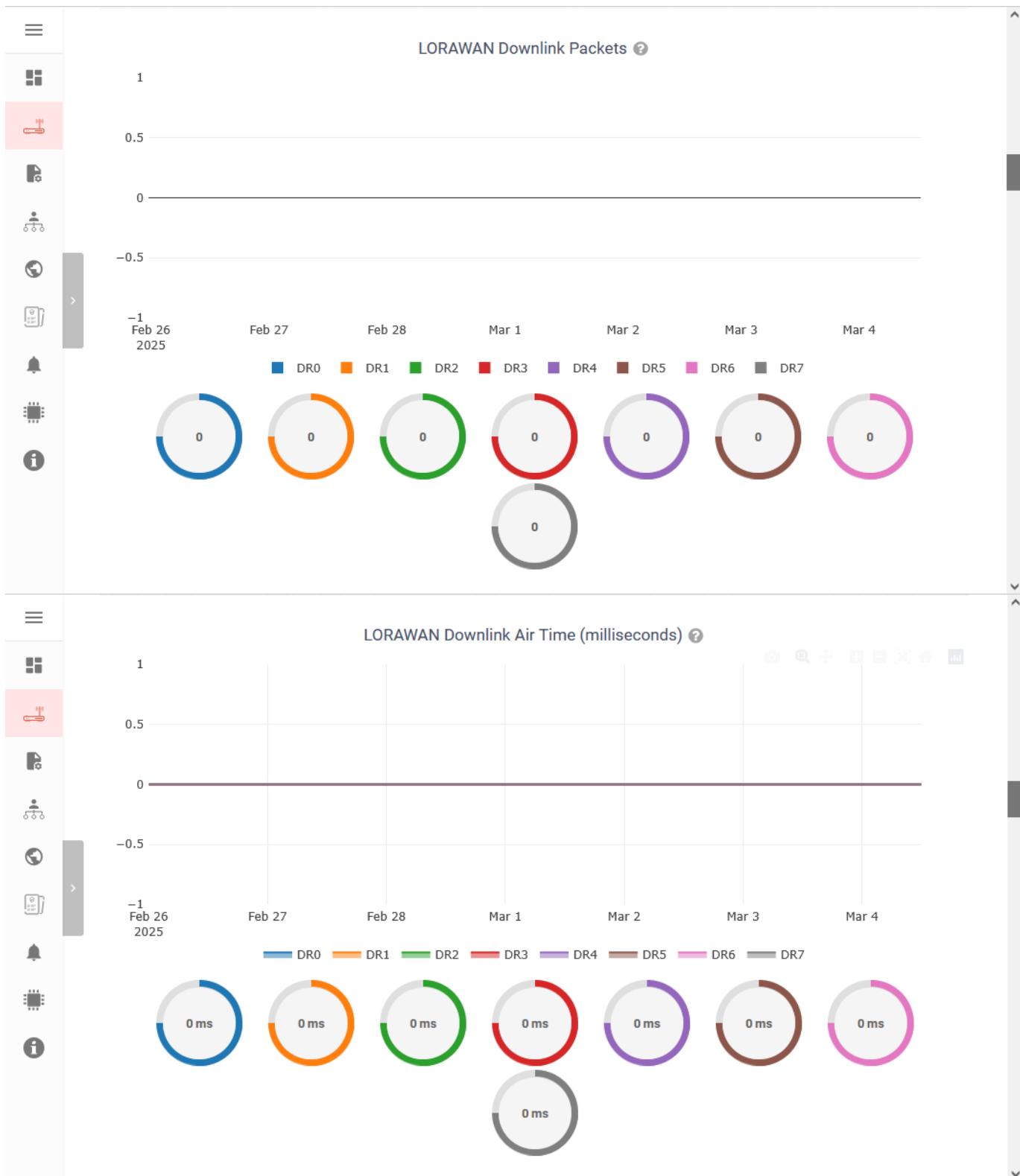
Charts

- with device statistics and monitoring (CPU usage, LoRowan uplink packages, LoRowan uplink\downlink air times, SNR, RSSI, Ping success rate, packet losts, round trip time, traffic wlan, memory usage, disk usage)



[More screenshots of Device-Charts](#)

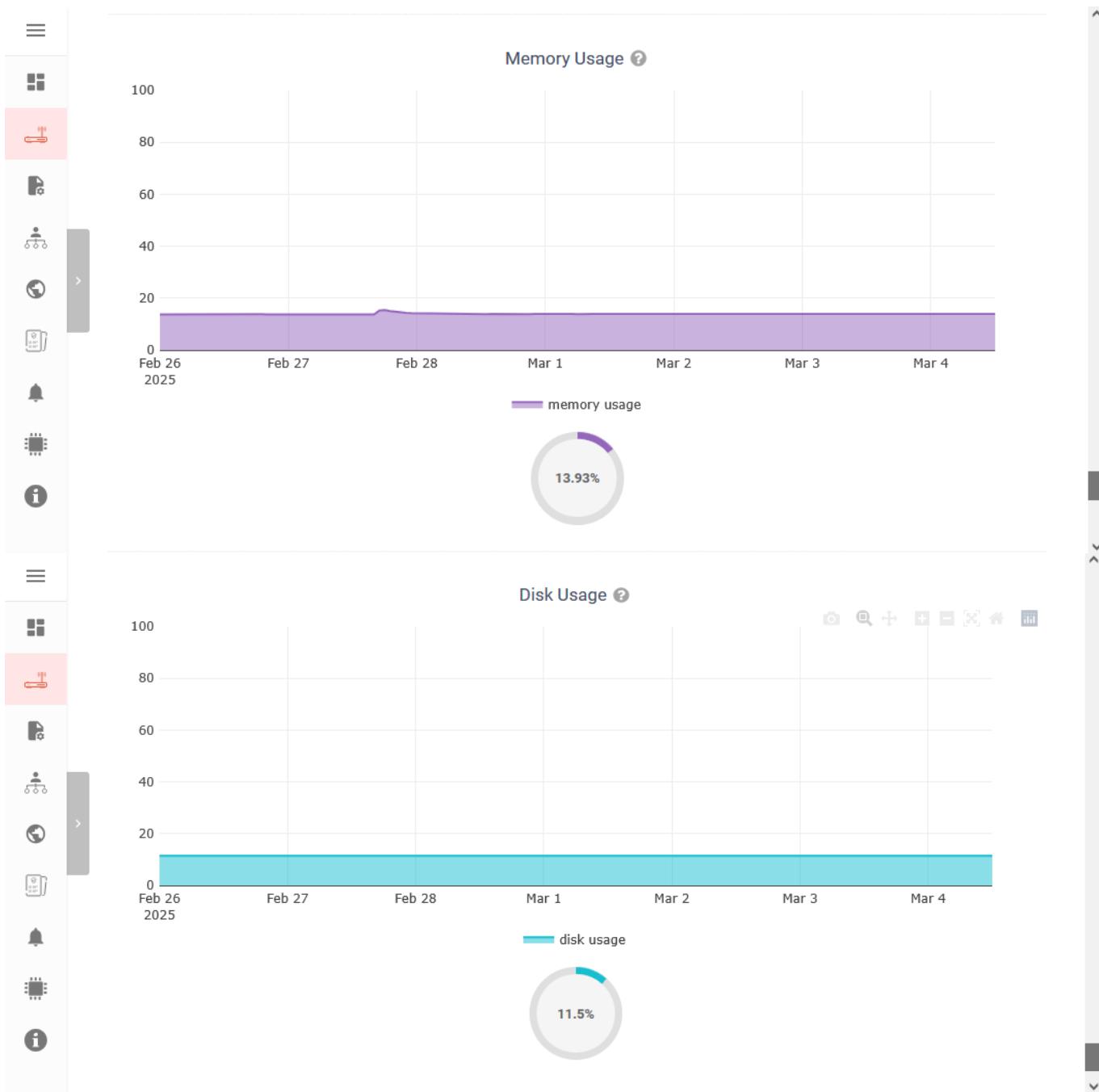












Logs

- Ability to view logs from devices (SSH, Firewall, Device manager, Kernel, Packet forwarder, Basic station, Modem manager, Network manager, NTPD, PPPD, SystemD)

The screenshot shows the 'Logs' tab selected in the top navigation bar. The main area displays a scrollable list of log entries from March 4, 2025. The logs are timestamped at 17:26:45 and show various system activities such as packet forwarding, GPSD updates, and configuration changes. The interface includes dropdown filters for 'Log ID' and 'Priority level'.

```

2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: src/jitqueue.c:440[jit_print_queue()]: INFO: [jit] queue is empty
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: INFO: Received pkt from mote: 00018837 (fcnt=402)
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: ### [DOWNSTREAM] ###
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: INFO: GPSD: fix=0 lat=0.0000 lon=0.00000 alt=0 time='1970-01-01 00:00:00 GMT'
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: INFO: GPSD: fix=0 lat=0.00000 lon=0.00000 alt=0 time='1970-01-01 00:00:00 GMT'
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: PACKET FILTERING: Packet PERMITT: 'up' packet has been permitted by 'White List'
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # Valid time reference (age: 1741102003 sec)
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # BEACON queued: 0
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # BEACON sent so far: 0
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: src/jitqueue.c:440[jit_print_queue()]: INFO: [jit] queue is empty
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: JSON up: {"stat":{"time":"2025-03-04 15:26:13 GMT","lat":0.00000,"long":0.00000,"alt":0,"rxnb":1,"rxfw":1,"ackr":100.0,"dwnb":0,"txnb":0}
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # RF packets forwarded: 1 (36 bytes)
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # BEACON rejected: 0
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # RF packets sent to concentrator: 0 (0 bytes)
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # SX1302 counter (PPS): 0
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: #_____
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: ### [GPSI] ###
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: INFO: [down] PULL_ACK received in 0 ms
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # CRC_OK: 100.00%, CRC_FAIL: 0.00%, NO_CRC: 0.00%
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # RF packets received by concentrator: 1
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # SX1302 counter (INST): 1974723308
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: ### [UPSTREAM] ###
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: INFO: [down] PULL_ACK received in 0 ms
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: # no valid GPS coordinates available yet
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: PACKET FILTERING: FPort '1' is FOUND on 'White List'
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: INFO: [up] PUSH_ACK received in 1 ms
2025-03-04 17:26:45 [INTO] [lora_pkt_fwd]: JSON up: {"stat":{"time":"2025-03-04 15:26:43 GMT","lat":0.00000,"long":0.00000,"alt":0,"rxnb":1,"rxfw":1,"ackr":100.0,"dwnb":0,"txnb":0}

```

Configurations

- One of the most important features - user can add\delete any configuration

The screenshot shows the 'Configuration' tab selected in the top navigation bar. It displays two lists: 'Available templates' and 'Chosen templates'. The 'Available templates' list contains various configuration options like 'Network: Eth_static_lab', 'LoRaWAN Packet forwarder configuration: NS_10.110.11.223', and 'NTP Settings: NTP_Server_UA'. The 'Chosen templates' list contains 'LoRaWAN Packet forwarder configuration: NS_10.110.11.69', 'LoRaWAN Packet filter list: NS_Packet_filter', 'System log settings: Rsyslog', and 'Files: SSH key'. A red box highlights the 'Available templates' list, and a red circle highlights the '+' icon in the 'Chosen templates' list.



add the template as a separate menu, user can create his configuration template for future use in a group of devices or a separate device

Name:

Organization:

Type:
template type, determines which features are available

Tags:
A comma-separated list of template tags, may be used to ease auto configuration with specific settings (eg: 4G, mesh, WDS, VPN, ecc.)

Enabled by default
whether new configurations will have this template enabled by default

Required
If checked, will force the assignment of this template to all the devices of the organization (if no organization is selected, it will be required for every device in the system)

Configuration:

Configuration menu

Created: 17 Mar 2025, 1:33 p.m.

Modified: 17 Mar 2025, 1:26 p.m.

- After the user chooses a new template the program checks it and apply to the device or device group. Also user could choose already existing configurations from a list

The screenshot shows the Jooby configuration interface. On the left, there's a sidebar with various icons. The main area has two panes: 'Available templates' on the left and 'Chosen templates' on the right. The 'Available templates' pane lists several network-related configurations like 'LTE_static', 'LoRaWAN Packet forwarder configuration', and 'Wireguard Peers'. The 'Chosen templates' pane contains a subset of these, including 'LoRaWAN Packet forwarder configuration', 'System log settings', 'Files: SSH key', and 'NTP Settings'. Below these panes is a 'CONFIGURATION:' section with a 'Configuration Menu' button. A red box highlights this button and the list of configuration options below it, which include 'General', 'Network', 'Static routes', 'Policy routing', 'NTP Settings', and 'OpenVPN'. There's also a 'Property name...' input field and an 'Add' button.

Map

- The user can choose an existing map of devices or create his own and mark the device's location

Map: DeviceLocation object (ff865fcf-c86b-4b97-8474-0e92ec605fb3)

Delete

Location: Select item Infomir

Type: Indoor environment (eg: building, roofs, subway, large vehicles)

indoor locations can have floorplans associated to them

Is mobile?

is this location a moving object?

Location name: Infomir

A descriptive name of the location (building name, company name, etc.)

Address: Маршала Жукова проспект 4Д, Одеса, Од

Geometry:

INDOOR COORDINATES

Floorplan selection:

Credentials

- After adding the credentials the user can connect to device via SSH, web UI admin or send command reboot/change password (without authorization)

The screenshot shows the Jooby MMS web interface for managing a device named "jogl-8406bf". The top navigation bar includes links for "SILENCE NOTIFICATIONS", "SEND COMMAND", "SSH TERMINAL", "DEVICE WEBUI" (which is highlighted with a red box), "DOWNLOAD CONFIGURATION", and "HISTORY". Below the navigation is a toolbar with icons for "Overview", "Status", "Charts", "Logs", "Configuration", "Map", "Credentials" (highlighted with a red box), "Firmware", "Recent Firmware Upgrades", "Checks", and "Alert Settings". A "Preview configuration" button, a "Save and continue editing" button, and a green "SAVE" button are also present.

The main content area displays two sections of credentials:

- Credentials:** DeviceConnection object (373bfbb1-2107-41ae-8b94-1bce9705361d). Options include "Enabled" (checked) and "Update strategy: OpenWRT SSH".
- Credentials:** DeviceConnection object (5e9a95aa-968d-42b2-8439-439c566ec4b1). Options include "Update strategy: OpenWRT SSH".

Firmware

- The user can download new firmware and update the device group or separate the device

The screenshot shows the Jooby MMS web interface with the left sidebar expanded to show "DEVICES", "CONFIGURATIONS", "USERS & ORGANIZATIONS", "GEOGRAPHIC INFO", "CAS & CERTIFICATES", "NOTIFICATIONS", "FIRMWARE" (highlighted with a red box), "Builds", "Categories" (highlighted with a red box), and "Mass Upgrade Operations". The main content area shows a "Firmware" section for a specific device. It includes fields for "Image" (set to "Support v0.11.23: Infomir JOGL RAUCB v1"), "Installed" (status indicated by a green checkmark), and "Modified" (date: 17 Mar 2025, 3:23 p.m.). A "Delete" button and a "Preview configuration" button are at the bottom. A red arrow points from the "FIRMWARE" link in the sidebar to the "Firmware" tab in the content area.

- Add the new firmware Category

Select Firmware Category to change

RECOVER DELETED FIRMWARE CATEGORIES

+ ADD FIRMWARE CATEGORY

Action: — Go 0 of 4 selected

<input type="checkbox"/> NAME	1 ORGANIZATION	CREATED	2 MODIFIED
<input type="checkbox"/> Support_LTE	Support_LTE	3 Feb 2025, 2:05 p.m.	3 Feb 2025, 2:05 p.m.
<input type="checkbox"/> Support	Support	3 Feb 2025, 2:05 p.m.	3 Feb 2025, 2:05 p.m.
<input type="checkbox"/> Dev_LTE	Support_LTE	20 Feb 2025, 9:06 a.m.	20 Feb 2025, 9:06 a.m.
<input type="checkbox"/> Dev	Support	20 Feb 2025, 9 a.m.	20 Feb 2025, 9:07 a.m.

4 Firmware Categories

- Use tab Builds for add new or edit existing firmware build

Select Firmware Build to change

+ ADD FIRMWARE BUILD

Action: — Go 0 of 16 selected

<input type="checkbox"/> FIRMWARE BUILD	ORGANIZATION	FIRMWARE CATEGORY	CREATED	MODIFIED
<input type="checkbox"/> Dev_LTE v0.12.1	Support_LTE	Dev_LTE	14 Mar 2025, 10:11 a.m.	14 Mar 2025, 10:11 a.m.
<input type="checkbox"/> Dev v0.12.1	Support	Dev	14 Mar 2025, 10:03 a.m.	14 Mar 2025, 10:06 a.m.
<input type="checkbox"/> Support_LTE v0.12.1	Support_LTE	Support_LTE	14 Mar 2025, 9:57 a.m.	14 Mar 2025, 10:06 a.m.
<input type="checkbox"/> Support v0.12.1	Support	Support	14 Mar 2025, 9:50 a.m.	14 Mar 2025, 10:07 a.m.
<input type="checkbox"/> Dev v0.11.23	Support	Dev	27 Feb 2025, 2:08 p.m.	27 Feb 2025, 2:08 p.m.
<input type="checkbox"/> Dev_LTE v0.11.23	Support_LTE	Dev_LTE	27 Feb 2025, 1:55 p.m.	27 Feb 2025, 1:55 p.m.
<input type="checkbox"/> Support v0.11.23	Support	Support	27 Feb 2025, 8:08 a.m.	27 Feb 2025, 8:08 a.m.

Checks - monitoring

Check: Ping (Device: jogl-8406bf)

Active
whether the check should be run, related metrics collected and alerts sent

Check type:

Check: Configuration Applied (Device: jogl-8406bf)

Active
whether the check should be run, related metrics collected and alerts sent

Check type:

+ Add another Check

Alert Settings

- The user could set alerts that will notify the ser about unexpected behavior (for example CPU or memory usage)

Home > Network Configuration > Devices > jogl-8406bf

Change Device (jogl-8406bf) SILENCE NOTIFICATIONS SEND COMMAND SSH TERMINAL DEVICE WEBUI DOWNLOAD CONFIGURATION HISTORY

Overview Status Charts Logs Configuration Map Credentials Firmware Recent Firmware Upgrades Checks Alert Settings

Alert Settings: CPU usage (Device: jogl-8406bf)

Name: CPU usage

Is healthy: green

ADVANCED OPTIONS (SHOW)

Alerts enabled
whether alerts are enabled for this metric, uncheck to disable this alert for this object and all users

Operator:

4 Configurations

4.1 Templates

- for group device configuration update ===

NAME	ORGANIZATION	CONFIGURATION TYPE	ENABLED BY DEFAULT	REQUIRED	CREATED	MODIFIED
Eth_static_lab	Support	Network	●	●	21 Feb 2025, 8:08 a.m.	21 Feb 2025, 9:13 a.m.
LTE_static	-	Network	●	●	21 Feb 2025, 9:02 a.m.	21 Feb 2025, 9:02 a.m.
NS_10.110.11.223	Support	LoRaWAN Packet forwarder configuration	●	●	3 Feb 2025, 4:04 p.m.	3 Feb 2025, 4:04 p.m.
NS_10.110.11.69	Support	LoRaWAN Packet forwarder configuration	●	●	19 Feb 2025, 12:49 p.m.	19 Feb 2025, 12:49 p.m.
NS_79.142.197.27	-	LoRaWAN Packet forwarder configuration	●	●	3 Feb 2025, 3:56 p.m.	20 Feb 2025, 2:50 p.m.
NS_79.142.197.27_basic	-	LoRaWAN Basic station configuration	●	●	3 Feb 2025, 3:58 p.m.	20 Feb 2025, 2:50 p.m.

4.2 Device groups

- users could group devices via semantic feature. Choose and apply some already made or own templates for them

NAME	ORGANIZATION	CREATED	MODIFIED
LOG-ON	Support	18 Feb 2025, 8:15 p.m.	18 Feb 2025, 8:25 p.m.
Test_LTE	Support_LTE	3 Feb 2025, 1:49 p.m.	4 Feb 2025, 4:43 p.m.
Group_1	Support	3 Feb 2025, 1:49 p.m.	4 Feb 2025, 4:44 p.m.
Long_test	Support	19 Feb 2025, 12:27 p.m.	19 Feb 2025, 12:55 p.m.
Dia_test	Support	3 Feb 2025, 5 p.m.	4 Feb 2025, 4:44 p.m.
Group_2	Support	3 Feb 2025, 1:49 p.m.	4 Feb 2025, 4:44 p.m.

6 Device Groups

4.3 Access Credentials

* remote access from JOOBY JMMS via SSH and WEB UI

Select Access credentials to change

Action: Go 0 of 6 selected

<input type="checkbox"/>	NAME	ORGANIZATION	CONNECTION TYPE	AUTO ADD	CREATED	MODIFIED
<input type="checkbox"/>	WEBUI-LTE	Support_LTE	Web	✓	3 Feb 2025, 1:52 p.m.	3 Feb 2025, 1:52 p.m.
<input type="checkbox"/>	Web default	-	Web	✓	3 Feb 2025, 1:33 p.m.	3 Feb 2025, 1:33 p.m.
<input type="checkbox"/>	SSH_connect	Support	SSH	✓	3 Feb 2025, 1:50 p.m.	3 Feb 2025, 1:50 p.m.
<input type="checkbox"/>	WEBUI	Support	Web	✓	3 Feb 2025, 1:50 p.m.	3 Feb 2025, 1:50 p.m.
<input type="checkbox"/>	SSH_connect_LTE	Support_LTE	SSH	✓	3 Feb 2025, 1:51 p.m.	3 Feb 2025, 1:51 p.m.
<input type="checkbox"/>	SSH default	-	SSH	✓	3 Feb 2025, 1:33 p.m.	3 Feb 2025, 1:33 p.m.

6 Access credentials

5. Users & Organizations

- Managing users, access rights, assignment to groups
- **Groups&Permission** - managing groups, access rights

Monitoring and Management

Filter

APPLY FILTERS

By organization All By staff status All By superuser status All By active All By groups All

Select user to change

RECOVER DELETED USERS + ADD USER

Action: Go 0 of 4 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	ACTIVE	STAFF STATUS	SUPERUSER STATUS	DATE JOINED	LAST LOGIN
<input type="checkbox"/>	ftest	lab_test@infomir.com	✓	✓	✗	5 Feb 2025, 10:02 a.m.	6 Feb 2025, 2:52 p.m.
<input type="checkbox"/>	iptv	lab-test@test.com	✓	✓	✗	5 Feb 2025, 10:01 a.m.	21 Mar 2025, 1:58 p.m.
<input type="checkbox"/>	infomir	infomir.lab.test@gmail.com	✓	✓	✗	5 Feb 2025, 9:58 a.m.	6 Feb 2025, 2:51 p.m.
<input type="checkbox"/>	admin	vasily.kratii@gmail.com	✓	✓	✓	3 Feb 2025, 1:33 p.m.	19 Mar 2025, 1:38 p.m.

4 users

6. Geographic info

- List with locations on the map (dashboard). Users could mark devices on the map

7. CAS & Certificates

- Users could add\import certificates for working with VPN

Monitoring and Management

Filter

By organization All By revoked All By key length All By digest algorithm All By created Any date

Select certificate to change

RECOVER DELETED CERTIFICATES + ADD CERTIFICATE

Action:	NAME	ORGANIZATION	CA	KEY LENGTH	DIGEST ALGORITHM	VALIDITY END	REVOKED	CREATED	MODIFIED
<input type="checkbox"/>	Support	Support	Support	2048	SHA256	14 Mar 2026, 3:10 p.m.	●	14 Mar 2025, 3:10 p.m.	14 Mar 2025, 3:10 p.m.

Action: Go 0 of 1 selected

1 certificate

8. Notifications

- List with important notifications

jooby MMS

Monitoring and Management

Home > Notifications > Notifications

admin

Filter

By level All

Select Notification to view

TIMESTAMP	MESSAGE	LEVEL
20 Mar 2025, 12:18 p.m.	The device jogl-840579 is not reachable.	warning
20 Mar 2025, 12:18 p.m.	The device jogl-840579 is not reachable.	warning
20 Mar 2025, 12:18 p.m.	The device jogl-840579 is not reachable.	warning
20 Mar 2025, 12:18 p.m.	The device jogl-840579 is not reachable.	warning
19 Mar 2025, 4:02 p.m.	The device jogls-3f410c is reachable again.	info
19 Mar 2025, 4:02 p.m.	The device inols-3f410c is reachable again.	info

9. Monitoring

- list of checks and metrics

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