

Milesight AloT Sensing Platform

User Guide



Readers

This guide is intended for the following users:

- Distributors
- Network Planners
- On-site technical support and maintenance personnel
- Network administrators responsible for network configuration and maintenance

Copyright © 2011-2023 Milesight. All rights reserved.

All information in this guide is protected by copyright law. Whereby, no organization or individual shall copy or reproduce the whole or part of this user guide by any means without written authorization from Xiamen Milesight IoT Co., Ltd.



For assistance, please contact Milesight technical support: Email: iot.support@milesight.com Support Portal: support.milesight-iot.com Tel: 86-592-5085280 Fax: 86-592-5023065 Address: Building C09, Software Park Phase III, Xiamen 361024, China

Revision History

Date	Doc Version	Description
May 15, 2023	V 1.0	Initial version
July 20, 2023	V 1.1	 Update installation commands Add dashboards, rules and HTTP/MQTT recipients

Contents

1. Product Introduction	4
1.1 Overview	4
1.2 Key Features	4
1.3 Recommended System4	4
Hardware	4
Software4	4
2. Installation	4
2.1 Requirement4	4
2.2 Compose Installation	5
2.3 Command Installation7	7
2.4 Change Password	9
3. Operation Guide	C
3.1 Connect Device	C
3.2 Sensing Data12	2
3.3 Dashbaord15	5
3.4 OTA Updates	3
3.5 Send Data via HTTP/MQTT 20	C
3.6 Alarm Settings	2

1. Product Introduction

1.1 Overview

Milesight

Milesight AloT Sensing Platform, based on the open-source Thingsboard, provide an efficient solution to collect and store data from Milesight sensing cameras. Besides, the Milesight AloT Sensing Platform is able to manage and maintain the remote sensing cameras.

1.2 Key Features

- Support smart recognition of meter data on the image from sensing cameras
- Support monitoring and storing data of remote devices
- Support managing and monitoring bulk of devices
- Support firmware and configuration file updating remotely
- Friendly GUI for easy configuration

1.3 Recommended System

Hardware

For 1 to 300 devices

- RAM: 8 GB
- Disk: 50 GB

For 300 to 500 devices

- RAM: 16 GB
- Disk: 200 GB

Software

Operating System:

- Ubuntu Kinetic 22.10
- Ubuntu Jammy 22.04 (LTS)
- Ubuntu Focal 20.04 (LTS)
- Ubuntu Bionic 18.04 (LTS)

2. Installation

2.1 Requirement

- Milesight AloT Sensing Platform Image Package
- WinSCP
- Putty (or other SSH tool)
- Install Docker: <u>for Ubuntu</u>

Milesight AloT sensing platform supports to install by compose or command, please select one of them to complete the installation.

2.2 Compose Installation

1. Download a Milesight AloT sensing platform's image package from Milesight website and import it to the local path of system via WinSCP or other tools.

2. Push image to the docker.

sudo -i

docker load < ~/msaiotsensingplatform.tar

3. Create docker compose files:

nano docker-compose.yml

Add the following lines to the yml file:

version: '3.0'
services:
mysp:
restart: always
image: "msaiotsensingplatform:1.0.1.1"
ports:
- "5220:9090"
- "1883:1883"
- "7070:7070"
- "5683-5688:5683-5688/udp"
environment:
TB_QUEUE_TYPE: in-memory
CASSANDRA_URL: localhost:9042
CASSANDRA_KEYSPACE_NAME: msaiotsensingplatform
volumes:
- /var/mysp-data:/data
- /var/mysp-logs:/var/log/msaiotsensingplatform

Parameter introduction:

• 5220:9090 - connect local port 5220 to exposed internal HTTP port 9090, and both of them should not be changed, otherwise the platform may not work well.

Milesight

- 1883:1883 connect local port 1883 to exposed internal MQTT port 1883. The local port will be used on SC series camera configurations.
- 7070:7070 connect local port 7070 to exposed internal Edge RPC port 7070
- 5683-5688:5683-5688/udp connect local UDP ports 5683-5688 to exposed internal COAP and LwM2M ports
- /var/mysp-data:/data mounts the host's dir /var/mysp-data to platform DataBase data directory
- /var/mysp-logs:/var/log/msaiotsensingplatform mounts the host's dir /var/mysp-logs to platform logs directory
- mysp friendly local name of this machine
- restart: always automatically start AloT Sensing platform in case of system reboot and restart in case of failure.
- image: msaiotsensingplatform:1.0.1.1 image name

4. Run the following commands, before starting docker container(s), to create folders for storing data and logs. These commands additionally will change the owner of newly created folders to the docker container user. The **chown** command is used to change the owner of the directories, and it requires sudo permissions (command will request password for a sudo access):

sudo useradd -m msaiotsensingplatform sudo groupadd msaiotsensingplatform //ignore the exist error sudo usermod -aG msaiotsensingplatform msaiotsensingplatform mkdir -p /var/mysp-data && sudo chown -R msaiotsensingplatform:msaiotsensingplatform / var/mysp-data chmod -R 777 /var/mysp-data mkdir -p /var/mysp-logs && sudo chown -R msaiotsensingplatform:msaiotsensingplatform / var/mysp-logs chmod -R 777 /var/mysp-logs

5. Set the terminal in the directory which contains the docker-compose.yml file and execute the following commands to up this docker compose directly:

docker compose up -d docker compose logs -f mysp

It will take about 1 minute to complete the installation and start the program.

Note: Docker Compose as docker-compose (with a hyphen) is deprecated. It is recommended to use Docker Compose V2 instead. If you still rely on docker compose as standalone, here is the list of the above commands:

docker-compose up -d docker-compose logs -f mysp

Milesight

 After installation, type http://{your-host-ip}:5220 in your browser to visit the login page. Default username: admin



7. You can check service logs to find out errors in case of any issue. For example, you can execute the following command to check platform logs:

docker compose logs -f mysp

To stop the Milesight AloT Sensing platform:

docker compose stop mysp

To start the Milesight AloT Sensing platform:

docker compose start mysp

Note: Docker Compose as docker-compose (with a hyphen) is deprecated. It is recommended to use Docker Compose V2 instead. If you still rely on docker compose as standalone, here is the list of the above commands:

docker-compose logs -f mysp docker-compose stop mysp docker-compose start mysp

2.3 Command Installation

1. Download the Milesight AIoT sensing platform's image package from Milesight website and

7

import it to local path of system via WinSCP or other tools.

2. Push image to docker.

sudo -i docker load < ~/msaiotsensingplatform.tar docker images

3. Run the following commands, before starting docker container(s), to create folders for storing data and logs. These commands additionally will change theowner of newly created folders to the docker container user. The **chown** command is used to change the owner of the directories, and it requires sudo permissions (command will request password for a sudo access):

sudo useradd -m msaiotsensingplatform sudo groupadd msaiotsensingplatform //ignore the exist error sudo usermod -aG msaiotsensingplatform msaiotsensingplatform mkdir -p /var/mysp-data && sudo chown -R msaiotsensingplatform:msaiotsensingplatform / var/mysp-data sudo chmod -R 777 /var/mysp-data mkdir -p /var/mysp-logs && sudo chown -R msaiotsensingplatform:msaiotsensingplatform / var/mysp-logs sudo chmod -R 777 /var/mysp-logs

4. Execute the following commands to run this docker directly:

docker run -it -p 5220:9090 -p 1883:1883 -p 7070:7070 -p 5683-5688:5683-5688/udp -v /var/ mysp-data:/data -v /var/mysp-logs:/var/log/msaiotsensingplatform --name mysp --restart al ways msaiotsensingplatform:1.0.1.1

Parameter introduction:

- docker run run this docker
- -p 5220:9090 connect local port 5220 to exposed internal HTTP port 9090, this is not allowed to change, or the platform may not work well
- -p 1883:1883 connect local port 1883 to exposed internal MQTT port 1883
- -p 7070:7070 connect local port 7070 to exposed internal Edge RPC port 7070
- -p 5683-5688:5683-5688/udp connect local UDP ports 5683-5688 to exposed internal COAP and LwM2M ports
- -v /var/mysp-data:/data mounts the host's dir /var/mysp-data to platform DataBase data directory
- -v /var/mysp-logs:/var/log/msaiotsensingplatform mounts the host's dir /var/mysp-logs to platform logs directory
- -name mysp friendly local name of this machine

- --restart always automatically start AloT Sensing platform in case of system reboot and restart in case of failure.
- msaiotsensingplatform:1.0.1.1 image name

It will take about 1 minutes to complete the installation and start the program.

5. After installation, type <u>http://{your-host-ip}:5520</u> in your browser to visit the login page.

Default username: admin

Default password: password		
← → C ▲ 不安全 192.168.45.57:5220/login		< ৫ ☆ 🛊 🛛 😩 :
	Milesight Ator Sensing Platform Ator Sensing Platform User name Pessword Login	

6. Connect to the Milesight AloT Sensing Platform:

docker attach mysp

To stop the Milesight AloT Sensing platform:

docker stop mysp

To start the Milesight AloT Sensing platform:

docker start mysp

2.4 Change Password

After login, it is suggested to change password for security.

Default		C I R Administra
EcoginOut	Default	Security
Change Password × Current password Current password Current password New password New password Confirm new password Confirm new password Statest A characters Statest Statest		→ LoginOut
Change Password × Current password Current password Current password New password Confirm new password Confirm new password At least • 2 types of characters: numbers, letters and symbols		
 Change Password * Current password * New password * New password * Confirm new password * Confirm new password * 2 types of characters: numbers, letters and symbols 		
Current password * Current password * Current password * New password * New password * Confirm new password # Discard Change Password	Ohanna Daamuud	×
Current password * Current password * New password * New password * Confirm new password * Confirm new password * Confirm new password At least: • 8 characters • 2 types of characters: numbers, letters and symbols Discard Change Password	Change Password	
Current password * New password * New password * Confirm new password * Confirm new password * Confirm new password At least: • 8 characters • 2 types of characters: numbers, letters and symbols Discard Change Password	Current password *	
New password * New password * Confirm new password * Confirm new password At least:	Current password	
New password Confirm new password * Confirm new password At least: • 8 characters • 2 types of characters: numbers, letters and symbols Discard Change Password	New password *	
Confirm new password * Confirm new password At least:	New password	
Confirm new password At least:	Confirm new password *	
At least: 8 characters 2 types of characters: numbers, letters and symbols Discard Change Password	Confirm new password	
2 types of characters: numbers, retters and symbols Discard Change Password	At least: • 8 characters	
Discard Change Password	 2 types or characters: numbers, letters and symbols 	
	Discard Change	e Password

3. Operation Guide

3.1 Connect Device

Step 1: Go to Devices page, click "+" to add a device by the device SN.



Add a new device	×
Name *	
Sensing Camera2	
Device model *	
SC541	3
Device SN *	
29902309GXP5	8
	Cancel Save

Step 2: Ensure the device has been connected to the network which can reach to the platform and configure the device to connect to the platform. Take the SC541 as an example, you should set the platform information as below:

- Host: IP address or domain name of the Milesight AIoT Sensing platform
- Port: communication port of the Milesight AIoT Sensing platform
- Topic: v1/devices/me/telemetry
- Username: SN of the device
- Password: leave blank

MQTT Settings	
Enable	
Host	192.168.45.57
Port	1883
Торіс	v1/devices/me/telemet ry
Username	29902309GXP5
Password	Password
	Save

Step 3: Only when the device sends the image to the platform, will the platform change the status to Active. If the device does not send data for more than 24 hours, the status will change to lnactive.

11

Milesight 🗔 🗖 🗖	vices					[] EN	8 admin Administrator
Devices							
Device De	ces List						+ Q
DTA Updates	Created time	Name	Device model	Device SN	Status		
	2023-04-21 15	Sensing Camera	SC541	29902309N3L2	Active		E
 D OTA Updates 	Created time 2023-04-21 15	Name Sensing Camera	Devloe model SC541	Device SN 29902309N3L2	Status		6

Step 4: Click the button on the right of the device item to check the latest information of device and the image.

Milesight	🗔 De	Lat Devices									Administrator
Devices					Sensing (amera					
🔁 Objects	Devi	ces List			Device deta	ils					×
OTA Updates		Created time	Name	Devi	Details L	atest telemetry	OTA Update				
		2023-04-21 15	Sensing Camera	SC5	-						
					Latest to	elemetry					
					Last update	time	Key		Value		
					2023-04-21	16:16:20	devName		X1 Sensing Camera		
					2023-04-21	16:16:20	devMac		34:85:18:44:57:90		
					2023-04-21	16:16:20	Battery		100		
					2023-04-21	16:16:20	snapType		Button		
					2023-04-21	16:16:20	localtime		2023-04-21 16:16:20		
					2023-04-21	16:16:20	imageSize		77963		
					2023-04-21	16:16:20	Image		Full Image	=]
12											
- K	_										*

3.2 Sensing Data

Step 1: Go to **Device** page, click the button on the right of the device item to check the latest information of the device, click the **Full Image**.

Milesight	ӣ De	vices							C) 🖻	Administrator
Devices					Sensing	Camera				i i
🗖 Objects	Devi	ces <mark>Li</mark> st			Device de	etails				×
OTA Updates		Created time	Name	Devi	Details	Latest telemetry	OTA Update			
		2023-04-21 15	Sensing Camera	SC5	bottano		omopulie			
					Lates	t telemetry				- 1
					Last upo	late time	Key	Value		
					2023-04	-21 16:16:20	devName	X1 Sensing Camera		
					2023-04	-21 16:16:20	devMac	34:85:18:44:57:90		
					2023-04	-21 16:16:20	Battery	100		
					2023-04	-21 16:16:20	snapType	Button		
					2023-04	-21 16:16:20	localtime	2023-04-21 16:16:20		
					2023-04	-21 16:16:20	imageSize	77963		
					2023-04	-21 16:16:20	Image	Full Image		
i:										

Step 2	: Draw a	at least a R)I area to c	cover the data	on the image,	then click Add.
--------	----------	--------------	--------------	----------------	---------------	-----------------

Image recognition ability	×
Set less than 4 ROIs to recognize the attributes.	

Set a name and an attribute name, click **Save** to save all settings.

lame *	
CO2	
Attributes to be recognized *	
CO2	Add

Step 3: Go to Objects page, click "+" to add sensing objects which need to be monitored.

Add a new sensing obje	ct		×
Name * CO2 Sensing channels			8
Sensing Camera / CO2 $ imes$			^
 Sensing Camera2 > Sensing Camera > 	 Tem Full Image CO2 devName imageSize localtime 	Cancel	Save

Step 4: Click the button on the right of the object item to check the sensing data.

Milesight		ojects					C3 💌	Administrator
Let Devices	San	sing chicota list		CO2				×
Dbjects	Sen	sing objects list		Sensing of	bject details			^
OTA Updates	12	Created time	Name	Details	Sensing Data			
		2023-04-24 15:23:00	sfdf	-				_
		2023-04-24 15-00-18	CO2	Sensing c	hannel	Time range		
		2020-04924 10:00:10	002	Sensing	Camera2/2990230{ 🗸	© 2023-04-25 00:00:00 To 2023-04-25 23:59:	59 Se	arch
		2023-04-24 14:53:49	battery	0	Created time	Value		
					2023-04-25 13:22:46	("CO2":994ppm)	F]
				•	2023-04-25 13:17:43	("CO2":907ppm)	Ŧ	
				0	2023-04-25 13:12:37	{"CO2":902ppm}	F	
				0.1	2023-04-25 13:07:34	{"CO2":902ppm}	•	
					2023-04-25 13:02:27	{"CO2":}		
				0	2023-04-25 12:57:23	{"CO2":}	2	
12					2023-04-25 12:52:18	{"CO2":}	=	

Users can also set the time range to search for the historical data, then select the data to download as json format file.

CO Ser	2 sing object details		×
Deta	ils Sensing Data		
3	0 data selected		Download
	Created time	Value	
	2023-04-25 13:48:11	{"CO2":}	E
	2023-04-25 13:43:07	{"CO2":}	E
	2023-04-25 13:38:02	{"CO2":}	Ŧ
	2023-04-25 13:32:56	{"CO2":}	•
	2023-04-25 13:27:50	{"CO2":}	
	2023-04-25 13:22:46	{"CO2":994ppm}	
	2023-04-25 13:17:43	{"CO2":907ppm}	

Note: The Milesight AloT Sensing platform does not support recognizing the data on the pictures and it needs to push pictures to Milesight AloT Inference platform to recognize and return the results. For more details please refer to *Milesight AloT Inference Platform User Guide*. If the value is unrecognized or error, click the button beside the value to manually type the data and click **Artificial recognize**.

CO2	
902ppm	
oorphin.	

3.3 Dashbaord

Create a Dashboard

Step 1: Go to the **Dashboards** page. The default dashboard can not be deleted. Click the icon on the top-right corner to go to the dashboard management page.



Milesight	III Dashboards → Default	5) en	e admin Adminis	strator 🕯
II. Dashboards	Default	Default		~	0
Dijects					
OTA Updates					
 ✓→ Rules 					

Step 2: Click "+" to add a new dashboard, click Save.

III Dashboards			1	Administrator
Dashboards	Add a new dashboard	×		+ Q
•	Name * Dashboard Make the dashboard public			8
		Cancel Save		

If **Make the dashboard public** is enabled, the platform can generate a public link to share this dashboard.

Dasł	Dashboards					
	Created time	Name	Public			
	-1	Default		F		
	2023-07-10 15:18:43	Dashboard		Ø =		

Dast	nboards		Dashboard Dashboard Details	×
	Created time	Name		
	-	Default	Name *	
	2023-07-10 15:18:43	Dashboard	Make the dashboard public	
			Public Link	
			http://192.168.60.187:5220/dashboards/00c6c6d0-1ef2-11ee-87a8-4730abe	ру
			Save	

Step 3: Select the dashboard and delete if necessary.

II Da	shboards			: I 🛛 😧 admin Administrator
1 das	shboard selected			
	Created time	Name	Public	
		Default		
	2023-07-10 15:18:43	Dashboard		Ø •

16

Edit the Dashboard

Milesight

Step 1: Go to the **Dashboards** page and click the pen icon to go to the edition mode of this dashboard.

Milesight	III Dashboards → Default	C3 (• 0	admin Adminis	strator :
Dashboards	Default	Default		a.	13
Devices					
Dijects					
OTA Updates					
∢-> Rules					
🔹 System Settings 🗸					
9					

Step 2: Click "+" to add widgets, click " \checkmark " to save the widgets and exit the edition mode, and click " \times " to cancel the settings and exit the edition mode.

Default	Default	
Alarm table Created time Type Source Detail		
No Data Total 0 30/page v < 1 > Go to 1		

The Milesight AloT Sensing platform supports adding multiple types of widgets.

🕕 Dashboards > Default		🖸 🖩 😧 admin Administrator
Default	Select widgets	×
	Snapshot preview Update snapshots from the image channel of one sensing object	Devices status Show the status of all devices.
	Alarm table Visualization of alarms in real time.	

After adding, users can edit, delete these widgets or drug the widgets to adjust the locations.

Default	Default 🗸 🖬 🚼
Inactive Devices 1 100.00%	Alarm table Created time Type Source Detail
Widget: Device status	No Data
Status Type Inactvie Devices	 ✓ < 1 → Go to 1 ✓
	Cancel Save

3.4 OTA Updates

Step 1: Go to the **OTA Updates** page and click "+" to add a new package.

Milesight	@ 01	TA Updates					[] EN	Administrator
Lol Devices								
🖳 Objects	Pack	age repository						+ Q
OTA Updates		Created time	File name	Туре	Device model	Checksum	Distribute all devices	
		2023-04-24 15:17:58	C_54.1.0.1.2304	FIRMWARE	SC541	ea8e3898		<u>+</u>

Step 2: Select the type as firmware or configuration file and select the model, then drag the file to the corresponding area and upload. Click **Save to finish the setting. Note:**

1) if **Distribute to all devices of the model** option is enabled, the platform will apply the firmware

or configuration file to all devices of this model right away.

2) Click <u>here</u> to get SC541 configuration file template.

Add a new package				×
	4	3		
Drop fi	le here (or click to upload		
Туре *		Device model *		
Firmware	~	SC541		~
Distribute to all devices of the m	odel.		Cancel	Save

Step 3: Go to the **Devices** page and select the device you need to upgrade or apply configuration. then click the button on the right of it and navigate to the **OTA Update** page. Users can select the firmware or configuration file. Click **Save** to finish the setting.

Dev	ices List					+ Q
	Created time	Name	Device model	Device SN	Status	
	2023-07-13 10:14:53	299023092R74	SC541	299023092R74	Active	
	2023-07-13 10:14:53	29902309I0A6	SC541	2990230910A6	Active	E

M ilesight	Devices		:	: 💌 😝 admin Administrator :
Devices			Sensing Camera2	· · · · ·
Dbjects	Devices List		Device details	×
OTA Updates	Created time Name	Devi	Details Latest telemetry OTA Update	
	2023-04-24 14 Sensing (Came SC5	Firmware	
	2023-04-21 15 Sensing (Camera SC5	Please select a firmware to upgrade	^
			C_54.1.0.1.230420-r1.bin	
			Please select a configuration file to upgrade	× 1
				Save
12				

Milesight AloT sensing platform will distribute these files to device at 3:00 everyday or when the device restart. The device will check if the firmware version or the configuration is the same as the current version. If not, it will update the firmware or configurations. When finishing updating, it will show the update result.

Sensir Device	ng Camera details Latest telemetry		×
Details	Latest telemetry	OTA Update	
Firmware			
C_54.1.	0.1.230710-r2.bin		\sim
Success!			
Configura	tion file		
Please s	select a configuration file	to upgrade	~
			Save

3.5 HTTP/MQTT Recipients

Step 1: Go to the **System Settings > Recipients** page and click "+" to add a new recipient.

Milesight	<ri>↔ Rules</ri>			5	Administrator
II. Dashboards					
Devices	Rules List				(+) Q
Dbjects	Created time	Name	Trigger	Actions	
OTA Updates					
∢ > Rules					
🔹 System Settings 🛛 🗸					

Step 2: Configure the recipient information. The recipient can be a HTTP server or a MQTT

broker.

Name *		
MyHTTP		
Transmission protocol		
HTTP Post		\sim
URL *		
http://example.com/httpevent		
User name		
Password		
	Cancel	Save
Name *		
Please enter the recipient name		
Please enter the recipient name Transmission protocol		
Please enter the recipient name Transmission protocol MQTT		~
Please enter the recipient name Transmission protocol MQTT Host *		~
Please enter the recipient name Transmission protocol MQTT Host * example.com		~
Please enter the recipient name Transmission protocol MQTT Host * example.com Port *		~
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1~65535)		~
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1~65535) Topic *		~
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1~65535) Topic * Please enter the topic of MQTT		~
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1~65535) Topic * Please enter the topic of MQTT User name		~
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1-65535) Topic * Please enter the topic of MQTT User name Password		
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1-65535) Topic * Please enter the topic of MQTT User name Password		×.
Please enter the recipient name Transmission protocol MQTT Host * example.com Port * Please enter the port of the host (1~65535) Topic * Please enter the topic of MQTT User name Password		~

Step 3: Go to the Rules page, click "+" to add a new rule.

Milesight	↔ Rules				Administrator
II. Dashboards					
Devices	Rules List				(+)Q
Dbjects	Created time	Name	Trigger	Actions	
DTA Updates					
∢··> Rules					
💽 System Settings 🗸 🗸					
D Objects	Created time	Name	Trigger	Actions	

Step 4: Select trigger condition as **Once data received** and select the recipients. One rule supports adding 5 recipients at most.

Add a new rule	:	×
Name *		
Batterylow		
Trigger		
Once data received	\sim	
Source sensing objects		
Please select source sensing objects		
Actions		
Send to recipients		
Recipients *		
MyMQTT ×	~	
	Cancel Save	

3.6 Alarm Settings

Step 1: Go to the **Rules** page and click + to add a new rule.

M ilesight	<-> Rules			53	Administrator
II. Dashboards					
Devices	Rules List				(+) Q
Dijects	Created time	Name	Trigger	Actions	
OTA Updates					
∢·· > Rules					
💿 System Settings 🗸					

Step 2: Select trigger type as low battery alarm or device offline alarm and select actions as **Send to recipients** or **Show on widget.** For **Send to recipients**, please refer to section 3.5.

22

Add a new rule	×
Name *	
Batterylow	
Trigger	
Low battery	
Threshold(%) *	
10	
Source devices	
Please select source devices	
Actions *	
Please select actions	
Send to recipients	
Show on widget	

-END-