Datasources

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Data from IoT devices and other application can be received over different channels.

Integrations

Integrations are used to forward and receive data from other Systems.

Beside Integrations that "Push" data to other systems, like HTTP, MQTT, SFTP, etc. there are also Integrations that work bi-directional like REST and LoRaWAN.

See: Integrations

Ports & Protocols

Different ports and protocols can be configured to receive data from IoT Devices.

Datasource	Application Protocol	Transport Protocol	Default Port	Comment
REST	HTTPs	TCP	443	REST API that can also be used upload sensor data
CoAP	CoAP	UDP	5683	Used by Lobaro NB-IoT Devices, can be extended for other manufacturers
CoAPs	CoAPs	UDP	5684	Used by Lobaro NB-IoT Devices, can be extended for other manufacturers
Tekelek	Tekelek Proparitary	TCP	55345	
Dragino	Dragino Proeritary	TCP	5600	
Lobaro NB-IoT (deprecated)	Lobaro Properitary	UDP	1064	⚠️ Deprecated: Will be removed in future

CoAP

Platform Timings:

Type	Duration	Note
Blockwise Transport	30 Seconds	
DTLS Timeout	35 Seconds	Must be higher than on the device side (which is 30 seconds)
DTLS Flight Interval	15 Seconds	FlightInterval controls how often we send outbound handshake messages

Roadmap

In future we are planning to implement more datasources

- Dragino CoAP
- MQTT
- Lightweight M2M (LWM2M)
- ... and other vendor specific protocols