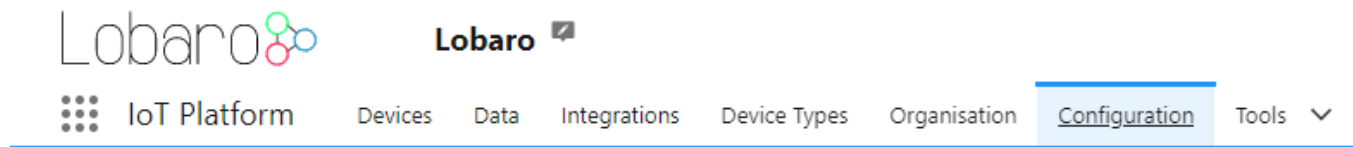# Administration

> ⓘ Role: admin

Global platform admins have access to the "Configuration" page from the main navigation.

The Configuration page gives access to entities independent of an Organisation.
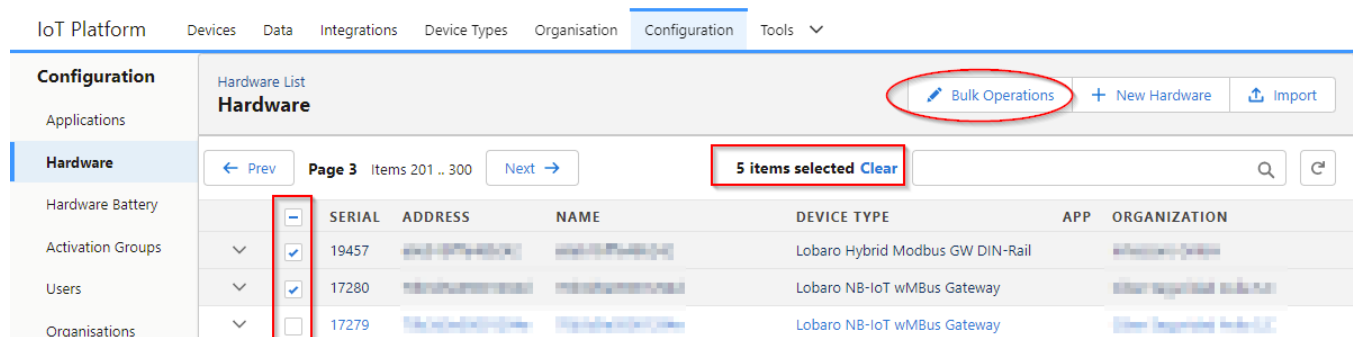
Hardware

On the hardware page, all devices independent of the organisation can be managed.

In the top right corner you can select different actions.

Bulk Operations

Select one or multiple devices from the list to execute bulk updates like changing of the Organisation or Device Type.

- Select all relevant devices (search box and pagination can be used with out looking the selection)
- Click "Bulk Operations"

- A list of devices to update is shown below the form
- Select what properties update and click "Bulk Update"

New Hardware

Create a new device. Each device needs:

- Address
- Name (optional, default is the Address)
- Device Type (optional, default is the "Generic Device")
- Organisation (optional)

Import

Import Hardware from a CSV file.

CSV Import File Format

- Column names in first row

Columns:

Column Name	Required	Type	Description
address	✅	string	Globally unique address of the device, e.g. IMEI or DevEUI. The address that is used to assign Uplinks to the device.
name	optional	string	User friendly name of the device. Default: the address of the device.
serial	optional	string	Serial number printed on the device. For Lobaro devices, the firmware typically has no knowledge of the serial.
firmware	optional	string	Initial Firmware name and version on the device as user friendly string
config	**deprecated** use cfg:<key>	json	A whole config can be imported as JSON object. e.g. `{"key":"value"}` Warning: this requires a lot of escaping in CSV.

cfg:<key>	optional	string	Initial config value of the device where `<key>` is the technical name of the config value.
			Multiple of these columns can exist.
			e.g. `cfg:DevEUI` to specify the config value of the parameter `DevEUI`.
			Users can export the Initial config values on the "Hardware Activation" page based on the settings in the "Device Type"
			For LoRaWAN use:

There are preferred config values for some device classes. Technically the name can vary, but might need some custom setup inside the device type.

LoRaWAN

- DevEUI - Unique address of the LoRaWAN Device
- JoinEUI - optional JoinEUI or AppEUI of the LoRaWAN device
- AppKey - AppKey of the LoRaWAN Device
- NwkKey - LoRaWAN 1.1 only