Remote diagnostics - Backend API (Alarm)

⚠️ This page is a work in progress. It is likely to change with little (or no) notice.

The Alarm API provides access to currently active and historical alarms for devices that are being monitored.

Function	Endpoint	Request type	AAA
Current alarm list	/api/v1/alarm/current	GET	Open
Historical alarm list	/api/v1/alarm/history	GET	Open
Alarm instance detail	/api/v1/alarm/*<alarmId>*	GET	Open
Acknowledge an alarm	/api/v1/alarm/*<alarmId>/ack*	POST	Must be authenticated and possess the 'Alarm Manager' role for the site that the device is a member of.

Current alarm list

This endpoint returns a paginated list of alarms that have a `resolved` field value of `None`. An example of the default JSON representation for some alarms are shown in the list below.

ℹ️ The alarm with id **5** is not acknowledged.

The alarm with id **12** has been acknowledged, but has a **null** comment.

```
{
        "id": 5,
        "url": "http://test_server/api/v1/alarm/5",
        "opened": "2021-06-06T18:25:43.511Z",
        "resolved": null,
        "severity": "Major",
        "rule": "AGC level fault",
        "description": "Lower gain limit reached",
        "ack": null,
        "node": {
                "id": 3,
                "url": "http://test_server/api/v1/node/3"
        }
},
{
        "id": 12,
        "url": "http://test_server/api/v1/alarm/12",
        "opened": "2021-06-06T19:35:45.517Z",
        "resolved": null,
        "severity": "Critical",
        "rule": "Calibration fault",
        "description": "Downlink RSSI offset is not calibrated",
        "ack": {
                "created": "2021-06-06T19:45:45.817Z",
                "acknowledger": {
                        "id": 8,
                        "url": "http://test_server/api/v1/user/8"
                },
                "comment": null,
        },
        "node": {
                "id": 3,
                "url": "http://test_server/api/v1/node/3"
        }
}
```

Query string filters

The following query string filters are supported by this endpoint:

Filter name	Possible values	Behaviour
min_severity	- Minor - Major - Critical	- Only returns current alarms with a severity greater than or equal to the provided value. **N.B.** If the supplied min_severity value is invalid, a HTTP error will be returned (**TO DO** : more error detail).

device_id	A valid device id in the system	• Only returns current alarms for the device with the id specified in the filter. • **N.B.** If the supplied device_id value is not a positive integer, a HTTP error will be returned (TO DO : more error detail).

```
{
        "comment": "Spacing out the line amps further - call Ric for
more details"
}
```

Note that the comment field value can be null.