



API – APPLICATION PROGRAMMING INTERFACE

Lindinvent API

No description provided (generated by Swagger Codegen <https://github.com/swagger-api/swagger-codegen>)

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BasePath:

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Access

Methods

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Nodes

GET /api/v1/nodes/all/leaves/{leafId}/value Up

Returns the values of a specific leaf from all nodes that have this leaf. (apiV1NodesAllLeavesByLeafIdValueGet)

Path parameters

leafId (required)

Path Parameter – format: int32

Return type

array[[ResultValue](#)]

Example data

Content-Type: application/json

```
[ {
  "nodeId" : 0,
  "value" : 6.027456183070403
}, {
  "nodeId" : 0,
  "value" : 6.027456183070403
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200

Success

404

Not Found

GET /api/v1/nodes/{nodeId}

Returns a specific node. (apiV1NodesByNodeIdGet)

Path parameters

nodeId (required)

Path Parameter – format: int32

Return type

[ResultNode](#)

Example data

Content-Type: application/json

```
{
  "id" : 0,
  "label" : "label",
  "productType" : "productType"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200

Success [ResultNode](#)

404

Not Found

GET /api/v1/nodes/{nodeId}/leaves/{leafId}

Returns a specific leaf. (apiV1NodesByNodeIdLeavesByLeafIdGet)

Path parameters

nodeId (required)

Path Parameter – format: int32

leafId (required)

Path Parameter – format: int32

Return type

[ResultLeaf](#)

Example data

Content-Type: application/json

```
{
  "stringValue" : "stringValue",
  "unit" : "unit",
  "logged" : true,
  "name" : "name",
  "id" : 0,
  "value" : 6.027456183070403,
  "writable" : true
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200
Success [ResultLeaf](#)
404
Not Found

GET /api/v1/nodes/{nodeId}/leaves/{leafId}/loggedValues/{start}/{end}

Returns historical values of a leaf on a node, between two time points. This requires that the "logged" field of the leaf is true. ([apiV1NodesByNodeIdLeavesByLeafIdLoggedValuesByStartByEndGet](#))

Path parameters

nodeId (required)

Path Parameter – format: int32

leafId (required)

Path Parameter – format: int32

start (required)

Path Parameter – Start time in ISO format format: date-time

end (required)

Path Parameter – End time in ISO format format: date-time

Return type

array[[ResultValueLogged](#)]

Example data

Content-Type: application/json

```
[ {  
  "time" : "2000-01-23T04:56:07.000+00:00",  
  "value" : 0.8008281904610115  
}, {  
  "time" : "2000-01-23T04:56:07.000+00:00",  
  "value" : 0.8008281904610115  
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200
Success
400
Bad Request

GET /api/v1/nodes/{nodeId}/leaves/{leafId}/value

Returns the value of a leaf. ([apiV1NodesByNodeIdLeavesByLeafIdValueGet](#))

Path parameters

nodeId (required)

Path Parameter – format: int32

leafId (required)

Path Parameter – format: int32

Return type

Double

Example data

Content-Type: application/json

```
0.8008281904610115
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200

Success [Double](#)

404

Not Found

PUT /api/v1/nodes/{nodeId}/leaves/{leafId}/value

[Up](#)

Writes the value of a leaf. Requires write permissions. ([apiV1NodesByNodeIdLeavesByLeafIdValuePut](#))

Path parameters

nodeId (required)

Path Parameter – format: int32

leafId (required)

Path Parameter – format: int32

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json-patch+json
- application/json
- text/json
- application/*+json

Request body

value [double](#) (optional)

Body Parameter –

Responses

200

Success

400

Bad Request

404

Not Found

GET /api/v1/nodes/{nodeId}/leaves

[Up](#)

Returns all leaves (kinds of values) belonging to a certain node. ([apiV1NodesByNodeIdLeavesGet](#))

Path parameters

nodeId (required)

Path Parameter – format: int32

Return type

array[[ResultLeaf](#)]

Example data

Content-Type: application/json

```
[ {
  "stringValue" : "stringValue",
  "unit" : "unit",
  "logged" : true,
  "name" : "name",
  "id" : 0,
  "value" : 6.027456183070403,
  "writable" : true
}
```

```
}, {
  "stringValue" : "stringValue",
  "unit" : "unit",
  "logged" : true,
  "name" : "name",
  "id" : 0,
  "value" : 6.027456183070403,
  "writable" : true
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200

Success

404

Not Found

GET /api/v1/nodes

[Up](#)

Returns all existing nodes. A node often corresponds to a physical product, but can also be an entity created in software. (`apiV1NodesGet`)

Return type

array[[ResultNode](#)]

Example data

Content-Type: application/json

```
[ {
  "id" : 0,
  "label" : "label",
  "productType" : "productType"
}, {
  "id" : 0,
  "label" : "label",
  "productType" : "productType"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- text/plain
- application/json
- text/json

Responses

200

Success

Models

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ResultLeaf -

[Up](#)

id (optional)

Integer A unique ID number for this "type" of leaf, e.g. all leaves denoting room temperature have the same ID. format: int32

name (optional)

String A descriptive name.

value (optional)

Double The current value of this leaf. format: double

stringValue (optional)

String Some leaves have strings as values. If this is the case, this property will be set instead of "value".

unit (optional)

String The unit of measurement of this leaf, if applicable.

writable (optional)

Boolean "True" if it is possible to write the value of this leaf, which usually means that the leaf is some kind of set point.

logged (optional)

Boolean Denotes that this leaf is being logged, i.e. it is possible to fetch historical values of the leaf.

ResultNode -

[Up](#)

id (optional)

Integer A unique ID number. format: int32

label (optional)

String An arbitrary label describing this node.

productType (optional)

String The acronym of this product. Only nodes that represent a physical product have a product type.

ResultValue -

[Up](#)

nodeId (optional)

Integer format: int32

value (optional)

Double format: double

ResultValueLogged -

[Up](#)

time (optional)

Date format: date-time

value (optional)

Double format: double

