

# REST API ohje

- Restful data api

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Actiweb platform offers simple resful type HTTP API available. Using API needs administrator to create API key or username for reading operations to be used in API operations.

## API authorization

API key is added to **/opt/slc/data/users.xml** file in this format this

```
<?xml version="1.0" encoding="UTF-8"?>
<users>
<robot>
  <id>apiuser</id>
  <key>ad60f70e6aa90b21ac5917c8f5cbcf4b</key>
</robot>
</users>
```

## Reading datapoint value

In this example, we are reading value of pv field value in datapoint *ioPoints/huoneet/203/lampotila* using API key *ad60f70e6aa90b21ac5917c8f5cbcf4b* to authentication.

example

```
/plc.php?get=ioPoints/huoneet/203/lampotila.pv&key=ad60f70e6aa90b21ac5917c8f5cbcf4b
```

**response**

```
[{"get": "47"}, {"time": "1630062396"}]
```

## Writing datapoint value

In this example, we are writing value 20.5 to pv field in datapoint *ioPoints/huoneet/203/asetus* using API key *ad60f70e6aa90b21ac5917c8f5cbcf4b* to authentication.

example

```
/plc.php?set=ioPoints/huoneet/203/asetus.pv&value=20.5&key=ad60f70e6aa90b21ac5917c8f5cbcf4b
```

**response**

```
[{"set": "1"}, {"time": "1630062396"}]
```