

# Restful data api

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"}]
```

