

Display and Touch

:danger: Display and Touch Configure

As of 6.0.0 version of OakOS, these configurations have been deprecated. They will still work as expected in prior versions.
The `Info` end points will still return info

Display Info

Lists displays, current configuration and supported configurations. By running this request first to get the `displayId` we can use that id to set the display rotate direction. The same will be the method for the `touchDeviceId`

Display Info Url

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/display/info
```

this will return a list of displays with the information for each display listed. Here is a typical response

```
{
  "code": "",
  "details": "",
  "body": {
    "displays": [
      {
        "available_modes": [],
        "display_id": "DP1",
        "configuration": {
          "enabled": false,
          "mode": "",
          "reflect": "NO_REFLECT",
          "rotate": "NO_ROTATE",
          "transform": ""
        },
        "preferred_mode": ""
      },
      {
        "available_modes": [
          "640x480@59.94",
          "640x480@60.00",
          "720x400@70.08",
          "720x480@59.94",
          "720x480@60.00",
          "720x576@50.00",
          "800x500@60.01",
          "800x600@56.25",
          "800x600@60.32",
          "1024x768@60.00",
          "1280x720@59.94",
          "1280x720@60.00",
          "1280x800@59.91",
          "1280x1024@60.02",
          "1366x768@59.79",
          "1440x900@59.90",
          "1680x1050@59.88",
          "1920x1080@50.00",
          "1920x1080@59.94",
          "1920x1080@60.00"
        ],
        "display_id": "DP2",
        "configuration": {
          "enabled": true,
```

```
"mode": "1920x1080@60.00",
"reflect": "NO_REFLECT",
"rotate": "NO_ROTATE",
"transform": ""
},
"preferred_mode": "1920x1080@60.00"
},
"available_modes": [],
"display_id": "VIRTUAL1",
"configuration": {
  "enabled": false,
  "mode": "",
  "reflect": "NO_REFLECT",
  "rotate": "NO_ROTATE",
  "transform": ""
},
"preferred_mode": ""
},
],
"global_configuration": {
  "dpi": 96
}
}
```

in the postman test tab we can set environmental variable to use in the `Display Configuration`. When in doubt, it is recommended that every display is configured with its preferred_mode.

v5 Test Script

```
var jsonData = pm.response.json();
console.log("Display results", jsonData)
var display = {}
var preferred_mode = ""
for (var p in jsonData.body.displays) {
  console.log("Display", jsonData.body.displays[p])
  if (jsonData.body.displays[p].configuration.enabled) {
    display = jsonData.body.displays[p];
    preferred_mode = jsonData.body.displays[p].preferred_mode;
    break;
  } else {
    display = jsonData.body.displays[0];
    preferred_mode = jsonData.body.displays[0].preferred_mode;
  }
}
console.log("DISPLAY: ", display)
pm.environment.set("display", JSON.stringify(display));
pm.environment.set("display.display_id", JSON.stringify(display.display_id));
pm.environment.set("display.configuration.enabled", JSON.stringify(display.configuration.enabled));
pm.environment.set("display.configuration.mode", JSON.stringify(preferred_mode));
pm.environment.set("display.configuration.reflect", JSON.stringify(display.configuration.reflect));
pm.environment.set("display.configuration.rotate", JSON.stringify(display.configuration.rotate));
pm.environment.set("display.configuration.transform", JSON.stringify(display.configuration.transform));

console.log(pm.environment)
```

Notice that all JSON objects need to be stringified in order to store them as environmental variables. From the above response we can set postman variables and use them in the next step

Display Configure

:danger: Deprecated as of OakOS v6.x +

Applies configuration to a specific display

Display Configure Url

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/touch/info
```

JSON Request

```
{
  "display_id": {{display.display_id}},
  "configuration": {
    "enabled": {{display.configuration.enabled}},
    "mode": {{display.configuration.mode}},
    "reflect": {{display.configuration.reflect}},
    "rotate": "LEFT",
    "transform": {{display.configuration.transform}}
  }
}
```

The rotate possible values are:

- NO_ROTATE
- LEFT
- RIGHT
- INVERTED

Display Configure Global

Applies configuration that affects all displays. At the time of this writing the only thing in here is the dpi setting. When in doubt, it is recommended that every display is configured with the DPI be set to 96.

```
{
  "dpi": 96
}
```

Touch Info

Lists touch interfaces that can be configured

Touch Info Url

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/touch/info
```

GET Response

```
{
  "code": "",
  "details": "",
  "body": {
    "touch_devices": [
      {
        "touch_device_id": "Elo-Touch_Solutions_E801039_Edgley",
        "configuration": {
          "calibration": "",
          "orientation": "FORWARD_UPRIGHT"
        }
      }
    ]
  }
}
```

The following test script is used to choose and set the touch `touchDeviceId`

v5 Test Script

```
var jsonData = pm.response.json();
console.log(jsonData)
var id = jsonData.body.touchDevices[0].touch_device_id;
pm.environment.set("touch_device_id", JSON.stringify(id));
```

Touch Configure

:danger: Deprecated as of OakOS v6.x +"

Applies configuration to a touch interface

Configure Request Body

```
{
  "touch_device_id": "{{touch_device_id}}",
  "configuration": {
    "orientation": "FORWARD_LEFT"
  }
}
```

The available orientations are:

- FORWARD_UPRIGHT

- FORWARD_LEFT
- FORWARD_RIGHT
- FORWARD_INVERTED
- BACKWARD_UPRIGHT
- BACKWARD_LEFT
- BACKWARD_RIGHT
- BACKWARD_INVERTED