

## Saving Configurations

### The Automatic Service

By nature, no state or configuration is stored when a machine starts up. Instead of having to call each service manually on boot, the [automatic](#) service will apply your configuration for you (hence the name!)

This is used to make settings "permanent", such as ensuring the rotation of a monitor and touch calibration after a reboot.

:info: Note

Network connection settings are persisted independently. See [network.proto](#) for more details.

When the Platform starts, the `Apply` is called using the Configuration message that was previously passed to the `Store`. It is also possible to manually use the `Apply` at any other time. The automatic configuration is NOT applied every time an application starts. It is only after the Platform is restarted, which is normally only after a reboot.

Instead of creating the `Configuration` message by hand, it is recommended that all of the configuration for each other service is prepared at once and then the `Generate` is used to create a `Configuration` message that would match the prepared state. Then that message can be passed to the `Store`. This is essentially a "Save Configuration" flow.

If there is an error in any of the configuration requests, then the `Apply` will stop executing at that point. When the cause of the issue is fixed, such as if a missing hardware component was reconnected, then the `Apply` endpoint can be called again to retry the automatic configuration.

### Generate

Creates a `Configuration` message that, when sent to the `Store`, would lead to automatic configuration resulting in the same settings that are in place when `Generate` was called

GET Request

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/automatic/generate
```

Example Response

```
{
  "audio": [],
  "display": [
    {
      "display_id": "DP1",
      "configuration": {
        "enabled": false,
        "mode": "",
        "reflect": "NO_REFLECT",
        "rotate": "NO_ROTATE",
        "transform": ""
      }
    },
    {
      "display_id": "DP2",
      "configuration": {
        "enabled": true,
        "mode": "1920x1080@60.00",

```

```
"reflect": "NO_REFLECT",
"rotate": "NO_ROTATE",
"transform": ""
},
{
  "display_id": "VIRTUAL1",
  "configuration": {
    "enabled": false,
    "mode": "",
    "reflect": "NO_REFLECT",
    "rotate": "NO_ROTATE",
    "transform": ""
  }
},
"touch": [
  {
    "touch_device_id": "Elo_Touch_Solutions_E801039_Edgley",
    "configuration": {
      "calibration": "",
      "orientation": "FORWARD_UPRIGHT"
    }
  }
],
"displayGlobal": {
  "dpi": 96
}
```

Think of this as a snapshot of the current settings

## Store

Now you can **POST** the **Generate** response body to **Store** which will be applied on **Reboot** or you can use the **Apply** to save it now.

### POST Request

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/automatic/store
```

### POST Body

```
{
  "audio": [],
  "display": [
    {
      "display_id": "DP1",
      "configuration": {
        "enabled": false,
        "mode": "",
        "reflect": "NO_REFLECT",
        "rotate": "NO_ROTATE",
        "transform": ""
      }
    }
  ]
}
```

```
{
  "display_id": "DP2",
  "configuration": {
    "enabled": true,
    "mode": "1920x1080@60.00",
    "reflect": "NO_REFLECT",
    "rotate": "NO_ROTATE",
    "transform": ""
  },
  "display_id": "VIRTUAL1",
  "configuration": {
    "enabled": false,
    "mode": "",
    "reflect": "NO_REFLECT",
    "rotate": "NO_ROTATE",
    "transform": ""
  },
  "touch": [
    {
      "touch_device_id": "Elo_Touch_Solutions_E801039_Edgley",
      "configuration": {
        "calibration": "",
        "orientation": "FORWARD_UPRIGHT"
      }
    }
  ],
  "displayGlobal": {
    "dpi": 96
  }
}
```

### Apply

**Apply** uses the stored **Configuration** message to apply settings for each individual service

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/automatic/apply
```

### View

Exposes the currently stored Configuration

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/automatic/view
```

### Clear

Erases the currently stored Configuration so that no automatic configuration will be done on next Platform start-up.

```
http://{{dashboardHost}}/api/{{dashboardVersion}}/machine/{{dashboardMachine}}/automatic/clear
```