

# Configuration files patterns

All the configuration files on this IOC project follows JSON data representation pattern. On this document is described all 3 different configuration file patterns found on this project.

## Rooms configuration file pattern

```
{
  "rooms": [<List of room elements>]
}
```

- Room element

```
{
  "id":<room ID>,
  "name":<room Name>,
  "switches": [<List of switch elements>]
}
```

- Switch element

```
{
  "ip":<switch IP>
}
```

## Switches configuration file pattern for the IOC with REST API login authentication

```
{
  "switches": [<List of switch elements>]
}
```

- Switch element

```
{
  "login_data":
  {
    "ip":<switch IP>,
    "port":<service port>,
    "username":<switch authentication username>
  }
}
```

```

        "password":<switch authentication password>
    },
    {
        "devices":[<List of device elements>]
    }
}

```

- Device element

```

{
    "name":<device name/part of PV name respective to device name >
    "port":<switch port which device is attached>
}

```

## **Switches configuration file pattern for the IOC without REST API login authentication**

The configuration file for either the IOC code that performs the REST API login authentication and the one that doesn't are almost the same. The difference between the patterns is the absence of the "username" and "password" elements from the "devices" section of each "switch" register.

```

{
    "switches": [<List of switch elements>]
}

```

- Switch element

```

{
    "login_data":
    {
        "ip": <switch IP>,
        "port":<service port>,
    },
    {
        "devices":[<List of device elements>]
    }
}

```

- Device element

```
{  
  "name":<device name/part of PV name respective to device name >  
  "port":<switch port which device is attached>  
}
```