

# Adding a new Polling Definition

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## Introduction

In the current release of opCharts polling definitions can only be created/changed using the CLI and text editor.

Polling definitions are not complicated although there are many options/attributes when looking at the documentation.

opCharts requires each polling definition to have a unique name, pollers cannot be deleted if they are currently referenced by a collector in any state. Adding revision numbers to the name is suggested.

## Create a new polling definition file

The first step in creating a new polling definition is to create a new file. Two basic options to get started:

- copy an existing JSON definition file from `/usr/local/omk/install/nmsd/pollers.d/` is an option.
- Start with a blank definition:

```
[
  {
    "name" : "New poller name 1",
    "description" : "New poller description, first revision",
    "properties": [],
    "virtual_properties": [],
    "fields": [],
    "virtual_fields": [],
    "graph_options" : {}
  }
]
```

## Add data to be polled

Refer to the [opCharts Polling Definition](#) documentation for detailed information on each section of the document.

## Import new polling definition file

When the polling definition file is ready, use `opcharts-cli.pl` to import the new file, make note that the name given in the definition must be unique:

```
/usr/local/omk/bin/opcharts-cli.pl act=import-pollers file=~my_new_poller.json
```

The opCharts GUI should now list the imported Poller.

## Create a new collector to test polling definition

Navigate to the opCharts "Manage Collectors" Views->Manage Collectors and press the "+" button. Select a node, choose the new poller, make appropriate selections for the other options and add the new collector.

### New Collector ✕

**Node**

**Polling Definition**

**Enabled**  true  false

**SNMP Index**

**Frequency**

**Max Age**

**Stop collecting at**  ?

Select the new collector and a graph should appear and start to populate with new data.

If no data appears, you can try:

- Checking/unchecking the refresh box.
- Check the opCharts.log file in /usr/local/omk/log/ for information about the new poller
- start nmisd in debug mode and inspect the output

```
service nmisd stop
/usr/local/omk/bin/nmisd.pl foreground=1 debug=1
```