

opHA3 release notes

This page provides a brief overview of the major changes between opHA3 releases.

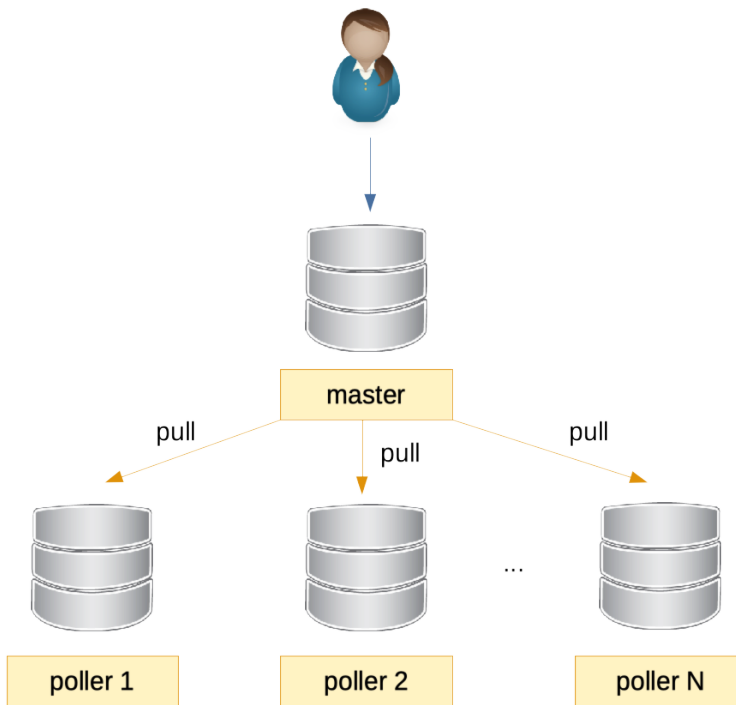
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Introduction

opHA introduces the concept of a master & pollers servers:

- The master is the node that have the information of all the pollers and it is where we can read all the information from.
- The pollers, collect their own data, and send that information to the master when it is requested.

The process of synchronising the information of the nodes it is made by the master. The master request the information for each poller with pull requests.



The first time the script runs, it is going to request all the data for each configured poller. Next time, it is going to request only the modified data since the last synchronisation.

3.0.5 BETA

Released August 22, 2019
opCharts 3.0.5 requires NMIS 9.0.6

- Support for [centralised configuration](#) from the master with support for OMK and NMIS files.

3.0.4 BETA

- Support for NMIS 9 to show [poller nodes from the master](#).
- A new button is added on the peers screen to edit manually the poller's url.

3.0.3 BETA

- Support for node deletion on the pollers. When a node was deleted on the poller, all this data wasn't remove on the master. Now the pull process is going to remove nodes and associated data that was removed on the poller.
- Retry policy on pull failures: If there was a failure during the poller update, the pull finished. Now it is possible to specify a retry policy:
 - **retry number**: How many times retry a request before finish the process unsuccessfully. 3 is the default value.
 - **delay**: How many seconds is going to wait between retries (5 seconds by default).
- It is possible to modify this params in `opCommon.nmis`:

```
'opha_transfer_chunks' => {
  'inventory' => 500,
  'nodes' => 500,
  'events' => 500,
  'status' => 500,
  'latest_data' => 500,
  'retry_number' => 3,
  'delay' => 5
},
```

Note that if no option is specified, there is not going to do any retry.

Also, note that if a poller is down, the process is going to take `retry_number * delay` seconds to finish.

- Show the registry synchronised data on the GUI.
- Small improvements on the GUI.

3.0.2-1 BETA

Hot fix to solve the problem of visualise the nodes graphics of the poller from the master.

3.0.2 BETA

On this version, the master is going to request the information by **chunks**. The number of calls is based on the chunk size and the number of results. The chunk size can be modified on `conf/opCommon.nmis` on the poller, with the next parameter (Note that a service restart is needed to use the new parameters):

```
'opha_transfer_chunks' => {
  inventory => 500,
  nodes => 500,
  events => 500,
  status => 500,
  latest_data => 500,
},
```

- The configured pollers can be seen/modified on this page: <http://master/en/omk/opHA/peers/>
- You can see how many calls is going to perform for each peer doing this request to that poller: <http://poller/en/omk/opHA/api/v1/chunks>

By default, all the data types are enabled, so all the data types are being synchronised (nodes, inventory, events, latest_data and status).

The synchronisation is configured in a cron job, that is going to run `/usr/local/omk/bin/opha-cli.pl act=pull`. For debugging purposes, you can run the same script with the following parameters:

```
bin/opha-cli.pl act=pull data_types=inventory,nodes,events,status,latest_data debug=true
```

And using **force=true** to bring all the data again, not only the data modified or created since the last synchronisation.

You should see something like this when the script es finished:

```
[Tue May 14 15:32:31 2019] [debug] [ fulla ]
[Tue May 14 15:32:31 2019] [debug] * inventory took: 0.89 sec - 109 results
[Tue May 14 15:32:31 2019] [debug] * nodes took: 0.87 sec - 0 results
[Tue May 14 15:32:31 2019] [debug] * events took: 0.87 sec - 52 results
[Tue May 14 15:32:31 2019] [debug] * status took: 0.87 sec - 200 results
[Tue May 14 15:32:31 2019] [debug] * latest_data took: 0.96 sec - 438 results
[Tue May 14 15:32:31 2019] [debug] [ poller-nine ]
[Tue May 14 15:32:31 2019] [debug] * inventory took: 4.26 sec - 434 results
[Tue May 14 15:32:31 2019] [debug] * nodes took: 2.88 sec - 0 results
[Tue May 14 15:32:31 2019] [debug] * events took: 3.75 sec - 5000 results
[Tue May 14 15:32:31 2019] [debug] * status took: 2.5 sec - 76 results
[Tue May 14 15:32:31 2019] [debug] * latest_data took: 17.68 sec - 18487 results
```