

Installation Guide for opReports 4.x

- [Introduction](#)
- [Installation](#)
 - [Prerequisites](#)
 - [Preparation](#)
 - [Installation Steps](#)
 - [Initial Setup](#)
 - [Linking to NMIS](#)
 - [Emailing Reports](#)
 - [Configuring the Scheduler for Frequent Reporting](#)
- [Upgrade to version 4.2.0 and later.](#)

Introduction

opReports 4 is the [NMIS 9](#) compatible version. In this guide, you will learn all you need to start using opReports 4.

The main difference from versions < 4.0.0:

- **JSON Configuration files:** The `.nmis` configuration files will be replaced with `.json` files.
- New License 2.0.

Installation

Prerequisites

- The individual performing this installation has a small bit of Linux experience.
- Root access is available.
- Internet access is required for installing any missing but required software packages.
- NMIS (9.1.0 or newer) must already be installed on the same server that opReports is being installed on.
- You will need a license for opReports (evaluation licenses are available [here](#)).
- All licenses are added/updated at `https://<hostname>/omk/opLicense`.

Preparation

- If NMIS is not installed yet, please follow the instructions in the [NMIS 9 Installation Guide](#).
- [Download opReports](#) from the [Opmantek](#) website.

Installation Steps

opReports is distributed in a self-extracting download format that simplifies the installation process quite a bit. More information on running the installer can be found HERE: [The Opmantek Installer](#)

Transfer the opReports installer onto the server in question, either by direct download from the Opmantek website, or from your desktop with `scp` or `sftp` or a similar file transfer tool.

Make a record of where you put the tarball (root's home directory or `/tmp` are good locations).

- Start the interactive installer and follow its instructions. The installer now fully covers both initial installations as well as upgrades from earlier versions of opReports.

```
sudo sh ./opReports-Linux-x86_64-4.1.0.run
...
+++++
opReports (4.1.0) Installation script
+++++
...
This installer will install opReports into /usr/local/omk.
To select a different installation location please rerun the
installer with the -t option.
```

- The installer will interactively guide you through the steps of installing opReports. Please make sure to read the on-screen prompts carefully.

- When the installer finishes, opReports is installed into /usr/local/omk, and the default configuration files are in /usr/local/omk/conf, ready for your initial config adjustments.
- A detailed log of the installation process is saved as /usr/local/omk/install.log, and subsequent upgrades or installations of other Opmantek products will add to that logfile.
- For detailed information about the interactive installer please check the [Opmantek Installer](#) page.

Initial Setup

opReports works almost completely "out of the box" and requires just a very few configuration settings to be adjusted initially:

Linking to NMIS

Many reports contain clickable links to NMIS, which require that the setting for nmis_host_base is correct. It is also important that the configuration setting opreports_url_base is correct, or your report will display badly.

These are set in /usr/local/omk/conf/opCommon.json.

See the next item for details on how to modify this file safely.

Make a backup of /usr/local/omk/conf/opCommon.json before you edit the file as a syntax error induced in the file will cause all OMK applications to cease to function

The nmis_host_base configuration is required to make sure that graphs and other linked things can find the server correctly from a report which has been emailed.

```
"nmis_host_base": "http://nmis.yourcompany.com",  
"opreports_url_base": "http://nmis.yourcompany.com",
```

When you're done making these adjustments, restart the Opmantek Web service with `sudo service omkd restart`.

Emailing Reports

If you plan to email reports out (via the CLI tool or the GUI), then it's vital that the email configuration is adjusted to reflect your environment.

Open /usr/local/omk/conf/opCommon.json with an editor of your choice, look for the section labelled "email" and change the values as required.

When you're done making these adjustments, restart the Opmantek Web service with `sudo service omkd restart`.

Configuring the Scheduler for Frequent Reporting

If you want to run scheduled reports very frequently, then the default frequency for the opReports scheduler may be insufficient.

By default opReports installs a cron file (in /etc/cron.d/opreports) which runs opreports-scheduler.pl once per hour. Feel free to modify that cron file to your liking.

Upgrade to version 4.2.0 and later.

Starting from version 4.2.0, we have made significant changes on our internal shared code for all our applications to work on Opmantek's latest and fastest platform, however, previously installed product are not compatible with this version.

To find out more about this upgrade please read:

- [Upgrading Opmantek Applications](#)
- [Product Compatibility](#)