

OMK Common Settings to Consider Changing

- [Purpose](#)
- [OMK Settings](#)
 - [Authentication](#)
 - [email](#)
 - [Database](#)
 - [NMIS](#)
 - [OMK Daemon](#)
- [opEvents](#)
- [opCharts](#)
- [opConfig](#)
- [opFlow](#)
- [opReports](#)
- [opTrend](#)
- [Related Topics](#)
 - [Reducing a Server's Memory Footprint when OMK applications are installed](#)

Purpose

There are several general OMK settings as well as application specific settings in `opCommon.nmis` that customers should consider changing to suit their environment.



Exercise caution while editing `/usr/local/omk/conf/opCommon.nmis`; if a syntax error is induced all OMK applications will cease to function.

Check out [How to make configuration changes to opCommon.nmis and other files](#) for some more details on best practices for modifying the configuration file.

OMK Settings

Authentication

Authentication should be integrated into the enterprise infrastructure to maintain security and scalability.

`/usr/local/omk/conf/opCommon.nmis`

```
'authentication' => {  
  'auth_crowd_password' => '',  
  'auth_crowd_server' => '',  
  'auth_crowd_user' => '',  
  'auth_expire_seconds' => '3600',  
  'auth_htpasswd_encrypt' => 'crypt',  
  'auth_htpasswd_file' => '<omk_conf>/users.dat',  
  'auth_lockout_after' => 0,  
  'auth_login_motd' => 'Authentication required: default credentials are nmis/nml888',  
  'auth_method_1' => 'htpasswd',  
  'auth_method_2' => 'openaudit',  
  'auth_method_3' => 'openaudit',  
  'auth_sso_domain' => ''  
},
```

email

The email section should be configured for the customers environment.

/usr/local/omk/conf/opCommon.nmis

```
'email' => {
  'mail_domain' => 'yourdomain.com',
  'mail_from' => 'yourmailname@yourdomain.com',
  # auth is attempted if both user and password are set
  'mail_user' => 'your_user_account@your_domain.com',
  'mail_password' => 'your_password',
  'mail_server' => 'smtp.yourdomain.com',
  'mail_server_port' => 25,
  'mail_use_tls' => 'true',    # new: do STARTTLS
  # 'mail_subject_prefix' => '[automatic] ',
},
```

Database

There are several database settings that can be customized as seen below. The most popular attribute we seen changed the the 'db_query_timeout' value.

/usr/local/omk/conf/opCommon.nmis

```
'database' => {
  'db_server' => 'localhost',
  'db_port' => '27017',
  'db_name' => 'nmis',
  'db_admin_port' => '28017',
  'db_username' => 'opUserRW',
  'db_password' => 'op42flow42',
  'db_connection_timeout' => 20000,
  'db_query_timeout' => 5000,
  'db_ping_timeout' => 2000,
  'db_write_concern' => 1,
  'db_use_v26_features' => 1,
},
```

NMIS

NMIS is the engine that OMK applications leverage. The NMIS engine can be on the local server or on a remote server. Be sure to configure the 'nmis_host_base' attribute.

/usr/local/omk/conf/opCommon.nmis

```
'nmis' => {
  '<nmis_dir>' => '/usr/local/nmis8',
  '<nmis_logs>' => '/usr/local/nmis8/logs',
  'nmisConf' => 'Config',
  'nmis_cgi_url_base' => '/cgi-nmis8',
  'nmis_dir' => '/usr/local/nmis8',
  'nmis_host_base' => 'http://localhost',
  'nmis_icon_small' => '<omk_url_base>/icons/nmis_sml.png',
  'nmis_max_filtered_table_cache_size' => 100,
  'nmis_sensitive_property' => [
    'community',
    'privkey',
    'privpassword',
    'authkey',
    'authpassword',
    'wmiusername',
    'wmipassword',
    'username'
  ],
  'prefer_local_nmis' => 'false'
},
```

OMK Daemon

omkd is the web server daemon for OMK applications. There are several attributes that can be changed in this section but be sure to change the 'omkd_secrets' attribute.

/usr/local/omk/conf/opCommon.nmis

```
'omkd' => {
  'omkd_secrets' => [
    'CHANGE_ME_u3207bhcjqlvcpv43e4b'
  ],
  'omkd_workers' => 5,
  'omkd_url_base' => 'http://yourserver.yourdomain',
},
```

In Abi2 Products, opCharts-4.X etc 'omkd_url_base' must be set to the FQDN of the current server for a Primary Poller environment.

opEvents

opEvents has many configuration attributes that may be helpful. The following are a few that we suggest reviewing.

/usr/local/omk/conf/opCommon.nmis

```
'opevents_reports_purge_older_than' => undef,      # covers summary reports
'opevents_events_purge_older_than' => undef,        # covers events and actions
'opevents_rawlogs_purge_older_than' => undef,       # covers raw logs
'opevents_archivelogs_purge_older_than' => undef,   # covers archive logs

'opevents_url_base' => 'http://yourserver.yourdomain',

'opeventsd_max_processes' => 10,

'opeventsd_update_rate' => 10,
```

opCharts

opCharts has many configuration attributes that may be helpful. The following are a few that we suggest reviewing.

/usr/local/omk/conf/opCommon.nmis

```
'opcharts_url_base' => "http://yourserver.yourdomain/",
```

In case this option is set, opCharts will also need opcharts_hostname to be set in order to generate the registry data.

Even if they are blank, opcharts_url_base and opcharts_hostname should be defined in the configuration.

opConfig

opConfig has many configuration attributes that may be helpful. The following are a few that we suggest reviewing.

/usr/local/omk/conf/opCommon.nmis

```
'opconfig_url_base' => "http://yourserver.yourdomain/",
```

opFlow

opFlow has many configuration attributes that may be helpful. The following are a few that we suggest reviewing.

/usr/local/omk/conf/opCommon.nmis

```
'opflow_display_dns' => 'true',  
  
'opflow_raw_files_age_days' => 10,  
  
'opflow_resolve_endpoint_dns' => 'false',  
  
'opflow_url_base' => 'http://yourserver.yourdomain/',  
  
'opflow_use_aggregation' => 'false',
```

opReports

opReports has many configuration attributes that may be helpful. The following are a few that we suggest reviewing.

/usr/local/omk/conf/opCommon.nmis

```
'opreports_url_base' => 'http://yourserver.yourdomain/',  
  
'default_report_timezone' => 'UTC',
```

opTrend

opTrend has many configuration attributes that may be helpful. The following are a few that we suggest reviewing.

/usr/local/omk/conf/opCommon.nmis

```
'optrend_maxthreads' => 10,  
  
'optrend_process_condition_in_nmis' => 'true',  
  
'optrend_seds_control_mutliplier' => 3,
```

Related Topics

- [Reducing a Server's Memory Footprint when OMK applications are installed](#)