
nag2mqtt

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Contents:

nag2mqtt consists of a *Nagios Event Broker* (NEB) module and a small perl daemon. The NEB module publishes all check results in the local filesystem (using tmpfs is highly recommended). These files are then published by the perl daemon to a MQTT broker.

By publishing the check results via MQTT it is possible to visualize the Nagios check states and performance data in *SNMD* using the *snmd-widgets-nagios* widgets.

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1.2 Copyright

- 2016 - 2017 (C) Thomas Liske [<https://fiasko-nw.net/~thomas/>]

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2.1 Prerequisites

You need a running Nagios Core setup or an extension like `Check_MK`.

2.1.1 Perl

`nag2sms` has several dependencies on Perl modules available in [CPAN](#). Although most modules are already packaged, Debian lacks a package for the `AnyEvent::MQTT` module. You can build it by using `dh-make-perl`:

- install packages `libanyevent-perl` and `dh-make-perl` to build the missing Debian packages from CPAN modules

```
# apt-get install libanyevent-perl dh-make-perl
```

- build `Net::MQTT` required for `AnyEvent::MQTT`

```
$ cpan2deb Net::MQTT --version 1.163170
```

- install `Net::MQTT`

```
# dpkg -i libnet-mqtt-perl_1.163170_all.deb
```

- build `AnyEvent::MQTT`

```
$ cpan2deb AnyEvent::MQTT --depends libnet-mqtt-perl
```

- install `AnyEvent::MQTT`

```
# dpkg -i libanyevent-mqtt-perl_1.172121-1_all.deb
```

2.2 Installation

To install nag2mqtt on *Debian GNU/Linux* it is recommended to use the [prebuild package](#):

```
# dpkg -i nag2mqtt_0.4_amd64.deb  
# apt-get install -f
```

For non-Debian systems you need to build nag2mqtt from the sources.

3.1 NEB Plugin

3.2 nag2mqtttd

You need to configure the `nag2mqtt.conf` to fit your needs (Perl syntax):

Listing 1: `/etc/nag2mqtt/nag2mqtt.conf`

```
# Directory used by NEB plugin (neb2mqtt.so)
#$conf{base_dir} = q(/run/nag2mqtt/publish);

# MQTT topic used by nag2mqtttd
#$conf{base_topic} = q(nagios);

# MQTT broker host
#$mqtt_conf{host} = q(localhost);

# MQTT last will topic
#$mqtt_conf{will_topic} = q(nagios/hosts/).hostname;

# MQTT client ID
#$mqtt_conf{client_id} = q(nag2mqtt);

# MQTT user name
#$mqtt_conf{user_name} = 'foo';

# MQTT password
#$mqtt_conf{password} = 'secret';

# DO NOT REMOVE
1;
```