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Adagios

This an intent to document pip installation of Adagios on Debian.

Installation

```
# apt-get install python-pip libapache2-mod-wsgi pynag
# pip install simplejson django==1.5 pynag adagios
```

Copy file /etc/apache2/sites-available/adagios.conf:

```
# Create the wsgi process group
WSGISocketPrefix run/wsgi
WSGIDaemonProcess adagios user=nagios group=nagios processes=1 threads=25
WSGIScriptAlias /adagios /usr/local/lib/python2.7/dist-
packages/adagios/wsgi.py

# Run adagios under /adagios
Alias /adagios/media /usr/local/lib/python2.7/dist-packages/adagios/media

<Location /adagios>
# Everything under /adagios runs in the above process group
#   WSGIProcessGroup adagios

    AuthName "Nagios Access"
    AuthType Basic
    AuthUserFile /usr/local/nagios/etc/htpasswd.users
    Require valid-user
    # Redirect /adagios to /adagios/
    # So path to css/javascript works
    RedirectMatch ^/adagios$ /adagios/
</Location>
```

Run:

```
# mkdir -p /etc/nagios3/adagios
# mkdir -p /var/lib/adagios/userdata
# pynag config --append cfg_dir=/etc/nagios3/adagios
```

Configure /etc/adagios/adagios.conf

```
# nagios_config - Path to your nagios configuration file
# If set, adagios will use this file to manage your object
# definitions. If set to None, adagios will search most common
# paths like /etc/nagios/nagios.cfg for it
#nagios_config = "/etc/nagios/nagios.cfg"
nagios_config = "/usr/local/nagios/etc/nagios.cfg"
```

```
# This should be the URL to your nagios server. If set, then
# Adagios can link you directly from configuration to live object.
# If you don't need this feature. Set nagios_url to '' or None
#nagios_url = "http://mynagiosserver/nagios"
nagios_url = "/nagios"

# destination_directory - Where adagios will store new objects
# by default. You should make sure that this directory exists
# and nagios.cfg has a cfg_dir=/etc/nagios/adagios/
destination_directory = "/etc/nagios3/adagios/"

# livestatus_path - Path to livestatus socket
livestatus_path = None
# enable_githandler - If set to true, and your /etc/nagios/ directory
# is a git repository. adagios will automatically commit changes when
# they are made.
enable_githandler = True

# enable_loghandler - If set to true, all changes adagios makes to
# object definitions will be logged to a file.
enable_loghandler = False

# auto_reload - If set to True, then nagios is reloaded automatically on
# changes. Not really recommended unless you are sure you want to fire
# a nagios reload after every single change.
auto_reload = False
# nagios_init_script - Path to init script used to start/stop nagios
# Adagios uses this to reload nagios after configuration changes
nagios_init_script="sudo /etc/init.d/nagios"

# nagios_binary - Path to your nagios binary
# Adagios uses this to run "nagios -v /etc/nagios/nagios.cfg"
nagios_binary="/usr/sbin/nagios"

# escape_html_tags - Escape html tags in status view
# If this is enabled, html code in plugin outputs is escaped.
# If you set this to False, then plugins will be able to inject
# HTML code into adagios web interface
escape_html_tags = True

# warn_if_selinux_is_active - Check (and warn user) if selinux is running
# You should only turn this off if you have configured your selinux policy
# and know what you are doing
warn_if_selinux_is_active=True

# pnp_filepath - Path to pnp4nagios index.php
# This is used for integrated graphs into the status view
# if you do not use pnp or do not need the status view of adagios
# simply change this to any other file that exists
```

```
# pnp_filepath="/usr/share/nagios/html/pnp4nagios/index.php"
pnp_filepath="/usr/local/pnp4nagios/share/index.php"

# contrib_dir - Path to user contributed views
contrib_dir = "/var/lib/adagios/contrib/"

# serverside_includes - Path to user contributed includes
# The files located in this directory can be used to include
# user contributed html into the header and footer of every page
# respectively
serverside_includes = "/etc/adagios/ssi"

# title_prefix - Title of every page is prefixed with this.
# You can customize this if you have multiple adagios instances
# and you want to distinguish the tabs in browser.
title_prefix = "Adagios -"

# enable_pnp4nagios - Enable pnp4nagios support (True by default).
# Disabling this removes the pnp mouse-over graphs as well as the graphs
# tab from the status views.
enable_pnp4nagios = True

# enable_graphite - Enable graphite integration with graphite
# If set to True, status_detail view of hosts and services
# Will show related graphs.
enable_graphite = False

# graphite_url - URL to your graphite instance
# If specified, and enable_graphite is set to True,
# connect to this graphite instance
graphite_url = "http://localhost:9091"

# graphite_querystring - Customize the querystring that is sent to
# graphite's /render? method. {host} {service} and {metric} will all
# be replaced with actual values while {host_} {service_} and {metric_}
# will apply common escaping techniques, i.e.: example.com becomes
# example_com
graphite_querystring =
"target={host_}.{service_}.{metric_}&width=500&height=200&from={from_}d&line
Mode=connected&title={title}&target={host_}.{service_}.{metric_}_warn&target
={host_}.{service_}.{metric_}_crit"

# graphite_title - Put this string at the top of graphite graphs
graphite_title = "{host} - {service} - {metric}"

# Include configuration options from these config files
include="/etc/adagios/conf.d/*.conf"
```

virtualenv installation

```
cd /opt
virtualenv adagios
source /opt/adagios/bin/activate
pip install django==1.4.15 pynag adagios
```

Create /etc/apache2/conf-available/adagios.conf

```
WSGISocketPrefix /var/run/apache2/wsgi
WSGIDaemonProcess adagios user=nagios group=nagios processes=1 threads=25
python-path=/opt/adagios:/opt/adagios/lib/python2.7/site-packages/adagios
WSGIProcessGroup adagios
WSGIScriptAlias /adagios /opt/adagios/lib/python2.7/site-
packages/adagios/apache/adagios.wsgi
WSGIPythonPath /opt/adagios

Alias /adagios/media /opt/adagios/lib/python2.7/site-packages/adagios/media

<Location /adagios>
    AuthName "Adagios Access"
    AuthType Basic
    AuthUserFile /usr/local/nagios/etc/htpasswd.users
    Require valid-user
</Location>
```

Edit /etc/adagios/adagios.conf:

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# nagios_config - Path to your nagios configuration file
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# paths like /etc/nagios/nagios.cfg for it
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nagios_config = "/usr/local/nagios/etc/nagios.cfg"

# This should be the URL to your nagios server. If set, then
# Adagios can link you directly from configuration to live object.
# If you don't need this feature. Set nagios_url to '' or None
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# destination_directory - Where adagios will store new objects
# by default. You should make sure that this directory exists
# and nagios.cfg has a cfg_dir=/etc/nagios/adagios/
#destination_directory = "/etc/nagios/adagios/"
destination_directory = "/usr/local/nagios/etc/adagios"

# livestatus_path - Path to livestatus socket
#livestatus_path = None
```

```
livestatus_path = "/usr/local/nagios/var/rw/live"

# enable_githandler - If set to true, and your /etc/nagios/ directory
# is a git repository. adagios will automatically commit changes when
# they are made.
enable_githandler = True

# enable_loghandler - If set to true, all changes adagios makes to
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# Adagios uses this to run "nagios -v /etc/nagios/nagios.cfg"
#nagios_binary="/usr/sbin/nagios"
nagios_binary="/usr/local/nagios/bin/nagios"

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# If this is enabled, html code in plugin outputs is escaped.
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# warn_if_selinux_is_active - Check (and warn user) if selinux is running
# You should only turn this off if you have configured your selinux policy
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# contrib_dir - Path to user contributed views
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# serverside_includes - Path to user contributed includes
# The files located in this directory can be used to include
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```
# user contributed html into the header and footer of every page
respectively
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# graphite_querystring - Customize the querystring that is sent to
# graphite's /render? method. {host} {service} and {metric} will all
# be replaced with actual values while {host_} {service_} and {metric_}
# will apply common escaping techniques, i.e.: example.com becomes
example_com
graphite_querystring =
"target={host_}.{service_}.{metric_}&width=500&height=200&from={from_}d&line
Mode=connected&title={title}&target={host_}.{service_}.{metric_}_warn&target
={host_}.{service_}.{metric_}_crit"

# graphite_title - Put this string at the top of graphite graphs
graphite_title = "{host} - {service} - {metric}"

# Include configuration options from these config files
include="/etc/adagios/conf.d/*.conf"

mkdir /usr/local/nagios/etc/adagios
useradd adagios
chown nagios.adagios /usr/local/nagios/etc/adagios
chmod 774 /usr/local/nagios/etc/adagios
a2enconf adagios
systemctl restart apache2
```


Nagios configuration

Edit /usr/local/nagios/etc/nagios.cfg:

```
# Definitions for Adagios management
cfg_dir=/usr/local/nagios/etc/adagios
```

Configuration steps

- Add hosttemplate
- Add timeperiods
- Add commands
- Add contacttemplate
- Add contactgroup
- Add contact
- Add hosttemplate
- Add hostgroups
- Add host
- Add servicetemplate
- Add service

References

- <https://github.com/opinkerfi/adagios/wiki/Installing-Adagios-from-source-on-Debian>
- <https://docs.djangoproject.com/en/1.10/howto/deployment/wsgi/modwsgi/>

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