GroundWork Monitor 5.3.0 Beta-2 Release

The purpose of this document is to describe the contents of GroundWork Monitor 5.3.0 Beta Release. Thank you for helping to test the release! Please read this document before proceeding with installation.

If you find a bug or encounter a problem using the 5.3.0 Beta-2 please help us by reporting the problem. Bugs can be filed in the public bug database found here:

http://www.groundworkopensource.com:8080/

Use the “Create a new issue” link in the top navigation. Please include as much information as possible and your contact information in bug reports.

Please share your questions and general feedback with GroundWork and the community in the forums:

http://www.groundworkopensource.com/community/forums/

Forum name: GroundWork Monitor Community Edition 5.3 Beta

Contents

SECTION 1 – INSTALLATION

This section describes the installation process. GroundWork Monitor 5.3 is no longer packaged as RPM files and most software prerequisites including MySQL and the Java JDK are now integrated into the installation binary. Two installation packages are available, one for 32 bit and one for 64 bit architectures.

Before you start:

Please make sure that any MySQL or Apache Web Servers on the server on which you plan to install GroundWork Monitor are not running and are disabled, for example:

/etc/init.d/mysql stop

chkconfig -e mysql off

/etc/init.d/httpd stop

chkconfig -e httpd off

Download the binary for your Architecture (32 or 64 bit) from here:

http://www.groundworkopensource.com/community/downloads/5.3beta.html

Change the permissions of the binary to executable

chmod +x groundwork-5.3.0-br13-gw166-linux-32-installer.bin

Installation

The new binary installer package supports 3 modes: GUI, text and unattended. The default is GUI if an X server is running; otherwise text mode will be used.

GUI install

From a system with X server running simply double-click on the bin file or go to the command shell and execute the downloaded file (e.g. ./groundwork-5.3.0-brXX-gwYYY-linux-32-installer.bin)

Text base install

From a command shell execute the binary with defining mode text (e.g. ./groundwork-5.3.0-brXX-gwYYY-linux-32-installer.bin).

Unattended install

From a command shell execute the binary with defining mode unattended (e.g. ./groundwork-5.3.0-brXX-gwYYY-linux-32-installer.bin –mode unattended). This will perform an unattended installation that will not prompt the user for any information.

Option file install

By passing the 'optionfile' command line option lets you specify installation options in a separate file. The option file should contain one line per option, using the format key=value. You can use any of the options accepted by the installer. For information, on valid options, execute the binary with –help option from a command shell. For example, to use a mysql password specified in the options file, type ./groundwork-5.3.0-br15-gw170-linux-32-installer.bin --mode unattended --optionfile test.ini, where test.ini) consists of:

mysql_password=your_passwd

Remote install

Using SSH into a remote server and then using the text based install (see above) is the most common way to install GroundWork Monitor remotely. If you the user do, the remote install from a machine that runs an X server, you can use ssh with the -X option and run the install with the GUI mode. Example:

ssh -XC target-machine

./groundwork-5.3.0-brXX-gwYYY-linux-32-installer.bin

GroundWork Monitor will be installed into the /usr/local/groundwork directory. PLEASE NOTE: The location of some files has changed from previous releases as well as the way services are configured and launched.

All groundwork services are started by the following bootstrap script:

/etc/init.d/groundwork {start|stop}

Individual services (MySQL, Apache, gwservices) are available inside the groundwork monitor distribution.

Example: stopping Apache Webserver

cd /usr/local/groundwork

/ctlscript.sh stop apache

./ctlscript.sh start apache

The same command can be used to start and stop **gwservices**, **nagios**, **nsca** and **mysql**

Performance testing

If you intend to perform load testing on GroundWork Monitor 5.3.0 beta the following hardware specification is recommended:

Dual 3.2GHz Intel CPU

4GB RAM

160GB of disk configured for RAID 1.

One of the following certified Linux distributions: RHEL 5 Server, 32 or 64-bit, RHEL 4, 32 or 64-bit, CentOS 5, 32 or 64-bit, CentOS 4, 32-bit, Novell SLES 10, 32 or 64-bit.

SECTION 2 – KNOWN ISSUES

For the Beta-2 release, software upgrades from GroundWork Community Edition 5.3 Alpha and Beta-1 are not supported.

i) Be advised that the Status package should not be placed as the first package in a role

ii) Host and service extended info have not been merged with the hosts.cfg and services.cfg files.

iii) If an existing /etc/my.cnf file is found during installation it is left in place and the new MySQL configuration created in /etc/my.cnf.groundwork. It is highly recommended that these changes are manually merged into the existing /etc/my.cnf, in particular:

max_connections = 125 <-- If you have more than 10 simultaneous users this number needs to be increased by 5 for every additional simultaneous user

innodb_buffer_pool_size = 100M <-- Should be your current database size + 30% (database file is var/lib/mysql/ibdata1).

iv) There is a timing issue with the Installer console. It displays that snmpttd service has not started when it in actuality it has started

v) In the Status package, Service comments are not getting updated into the UI

vi) Error in configuring HTTPS (ssl) Support for Apache. HTTPS is not supported with the 5.3 Beta-2 release.

vii) Installer does not check the available hard disk space before installation. Please be aware of this point, and make sure that the server under test has enough hard disk space.

viii) In certain instances when a previous installation of GW 5.2.X was uninstalled and the new 5.3 Beta-2 release is installed, the browser cache from the previous installation may still remain. As a user logs-in to the server, the login page may show images from both installations; in order to resolve this issue, press F5 to refresh the browser cache.

ix) Importing a service profile and applying with merge option results in no services added unless you choose apply to hosts or apply to hostgroups

x) Please be advised that the Wrappit package can not be assigned to roles.

xi) Please be advised that when importing service profile and applying with merge option results in no services added unless you choose apply to hosts or apply to hostgroups

xii) Please be advised that the Installer in text mode shows a message that "Setup has finished installing", while the services are still being loaded.

xiii) Make sure that while installing the GroundWork binary that you know the root password for MySQL. The Installer will be prompted to enter it. Making a mistake will require you to exit the installer and start over.

xiv) When using the new Nagios 3.0 pre-cache functionality be aware that this process is loading from a precached object file which will not carry into Monarch any notions of the template structure which was originally used to create the configuration. As such, use of the precached objects file for importing an existing configuration may have limited practical use. Please also note

* Service dependencies are defined as templates not object instances. The particular instances of the service dependencies do show up in the precached objects file ("define servicedependency"), but they do not carry the name of the templates from which they were derived.

* Host and service escalations are effectively just templates, not object instances. As with service dependencies, the particular instances of the host and service escalations do appear in the precached objects file ("define hostescalation", "define serviceescalation"), but they do not carry the name of the templates from which they were derived.

* Host and service escalation trees are not something directly supported by Nagios. As such, again only the usage of these constructs in creating particular instances of host and service escalations will appear in the precached objects file, and the final escalations will not carry the name of the escalation trees from which they were derived.

xv) On an upgrade from 5.2.X, an error is being generated in the Performance application for the http(s)_alive performance graph is displayed.

xvi) Check_snmp_disk_monitor.pl command line arguments 'warning' 'critical' ineffective

xvii) Single Sign-On for Nagios Doesn't work - stays as nagiosadmin

xviii) Apache Servername directive related message displayed during installation. Please edit the /usr/local/groundwork/apache2/conf/httpd.conf file and place your $hostname$ under the hostname entry.

xix) For those customers loading their own 5.2.x MySQL monarch database in the 5.3 MySQL database, as root, the /usr/local/groundwork/core/migrate/migrate-monarch.pl must be executed to migrate the monarch database.

xx) The Performance Configuration application is only assigned to the Administration role.

SECTION 3 – ABOUT THE NETWORK SERVICE

This version of GroundWork Monitor includes an optional component called Network Service that provides new features. The Network Service adds these capabilities:

- Provides GroundWork Monitor administrators with software update notifications in their home screen.
- Provides environment statistics to GroundWork about the GroundWork Monitor installation.

Enabling the Network Service is completely optional. Disabling it does not reduce the level of functionality or impair the usage of GroundWork Monitor other than to limit update notifications are not provided. The Network Service sends installation information back to GroundWork. The complete set of information gathered is:

The type of GroundWork Monitor product installed (e.g. Community Edition, Professional, Enterprise) and version.

The Operating System vendor and version and basic hardware information (RAM, CPU)

The size of the monitored environment: number of configured hosts, host groups, service checks, users and service checks being used.

We hope the GroundWork Monitor users will choose to share this information with us so that we can make product improvements and develop new features based on this type of aggregated, anonymous usage data.

