GroundWork Monitor 6.1 Enterprise Release Notes

This document describes the contents of GroundWork Monitor Enterprise 6.1 Release. Please read this document completely before proceeding with installation or upgrade.

Contents

SECTION 1 – CHANGES FROM THE PREVIOUS RELEASE

GroundWork Monitor Enterprise Release 6.1 includes the following feature highlights:

- New platform support for Ubuntu Server 8.04 LTS and Ubuntu Server 9.10 32 and 64-bit variants.
- Support for remote administration via SSH, RDP, VNC, HTTP and HTTPS directly from the status viewer host and service pages.
- Drill-through links from the event console to status viewer
- View status history and performance graphs for arbitrary time periods
- Arbitrary time periods when displaying performance graphs on dashboards
- Improved documentation for the Web Service APIs including each operation and input/output parameters.
- Create links to individual host groups, hosts, service groups and services for use in ticketing systems and notifications using the following formats:

URL Node Type	Format of URL for accessing Status Viewer
Host Group	http://<server-name>/portal-statusviewer/urlmap?hostgroup=Linux%20Servers
Host	http://<server-name>/portal-statusviewer/urlmap?host=localhost
Service	http://<server-name>/portal-statusviewer/urlmap?host=localhost&service=local_mysql_database
Service Group	http://<server-name>/portal-statusviewer/urlmap?servicegroup=sg1

- Updated Nagios Core from 3.0.6 to 3.2.0 and resolved an intermittent problem with some links from Nagios UI pages. The change log from Nagios 3.0.6 to 3.2.0 can be found here: http://www.nagios.org/development/history/core-3x
- Performance improvements for configuration commit time and system responsiveness
- Over 100 bug fixes and minor changes

When installing or upgrading to release 6.1 customers and partners are required to provide a valid license

key. License keys are available from GWOS and are delivered via email. Customers upgrading their production systems to release 6.1 are advised to ensure they have received their license key prior to their upgrade maintenance window.

SECTION 2 – INSTALLATION

System Requirements

The system requirements are unchanged from Release 6.0. GroundWork Monitor Enterprise recommends the following minimum hardware specification for correct operation in production:

2 CPU, 3 GHz P4 or equivalent

4 GB RAM

160 GB disk

Recommended hardware specification

Quad Core 2 class CPU

8 GB RAM

200GB disk for system

500GB disk for application

For smaller environments and evaluations GroundWork Monitor Enterprise Edition requires a minimum of 2GB of RAM and 4GB of disk for correct operation.

Java Compatibility

GroundWork Monitor specifically requires Sun Microsystems' Java SDK version 1.5 Update 8. This software is included in the GroundWork installation bundle. Under some circumstances other Java packages can interfere with the Sun provided software. It is strongly recommended that other Java packages be removed prior to installing by following these steps:

Query for existing Java packages:

rpm -qa | grep -i java

rpm -qa | grep -i jdk

Remove the RPMs using rpm –e

Example Java packages:

java-1.4.2-gcj-compat-1.4.2.0-27jpp

gcc-java-3.4.6-3

Note: If GroundWork Monitor is installed on a system with less than 4GB of RAM then it will be configured for optimal performance on limited hardware. The system will have lower monitoring throughput and will support only a few concurrent users or provide slower interface response times.

When running a 64-bit Linux distribution, use of the 32-bit installation package will result in poor JVM performance, and is not supported. Similarly, use of 32-bit Linux on 64-bit hardware will result in improper operation, and should not be attempted.

Installing on virtualized systems

If installing in a virtualized environment, particularly VMware ESX, 64-bit installations are recommended. Installation of VMware tools and configuration of host time synchronization is highly recommended in all VMware environments.

Downloading GroundWork Monitor Enterprise

Customers with an existing GWOS subscription may download this release from:

https://support.groundworkopensource.com

GWOS Quickstart customers may download the release from the GWOS Exchange (http://www.gwos.com/exchange) by logging in and navigating to the "My Account" then "Files" page.

Installation

Transfer the GWOS software to the server it is being installed on.

Change the permissions of the binary to executable:

chmod +x groundworkenterprise-6.1-brXX-gwYY-linux-32-installer.bin

Installation Methods

The 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. Alternatively simply execute the installation package:

./groundworkenterprise-6.1-brXX-gwYYY-linux-32-installer.bin

Text Based Install

From a command shell, execute the binary with the text-mode installation selected:

./groundworkenterprise-6.1-brXX-gwYYY-linux-32-installer.bin --mode text

Unattended Install

From a command shell, execute the binary with the unattended-mode installation selected:

./groundworkenterprise-6.1-brXX-gwYYY-linux-32-installer.bin --mode unattended

This will perform an unattended installation that will not prompt the user for any information.

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 the --help switch. For example, to use a mysql password specified in the options file:

./groundworkenterprise-6.1-brXX-gwYYY-linux-32-installer.bin --mode unattended --optionfile gwinstall.ini

Where gwinstall.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 perform 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 –l root target-machine

./groundworkenterprise-6.1-brXX-gwYYY-linux-32-installer.bin

GroundWork Monitor includes all prerequisites and components within a single installation package. The package is available in 32 and 64-bit variants. The software components of GroundWork Monitor are

installed under /usr/local/groundwork with the exception of the log rotation configuration and the start/stop script named /etc/init.d/groundwork. It is used as follows:

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

This script can also be used to restart individual services. For example:

/etc/init.d/groundwork restart nagios

Login Access to Portal

For the GW Monitor 6.1 release, there are three users and roles that are provided with a new installation. These users are: admin, operator and user. To login, use the same login name for the password. For example, to login as the user "operator", the password is operator. Changing the default passwords upon installation is recommended.

The "admin" user is a specially privileged user. It is used in the creation of shared dashboards, and should never be deleted. It may be disabled if desired. The admin user, with the administrator role has access to all of the portlets. The other two users will have access to subset of the available portlets.

Feature	Administrator Role	Operator Role	User Role
Dashboards	Yes	Yes (read-only)	Yes (read-only)
My GroundWork	Yes	Yes	Yes
Event Console	Yes	Yes	
Status Viewer	Yes	Yes	Yes (no actions)
Reports	Yes		Yes
Configuration	Yes		
Auto-discovery	Yes		
Administration	Yes		
Nagios	Yes	Yes	
Resources	Yes	Yes	Yes

At first login, the admin user must copy-and-paste their license key into the portal application under Administration, GroundWork License. Each license is valid for the subscription duration purchased. Each GWOS installation has a single license file that controls access to the application user interface. The license file affects only user access to the GWOS portal; it does not affect the ability to start/stop application components or the data gathering, processing or notification features of the solution. License key validity is checked at user login and is affected by:

- The subscription start and end-date
- The number of monitored devices configured
- Network Service is enabled

SECTION 3 – UPGRADING

Before attempting to upgrade please read this complete section for important details of changes applied during the upgrade process.

Upgrading to GroundWork Monitor 6.1 is only supported from the following versions:

- GroundWork Monitor Enterprise 5.3
- GroundWork Monitor Enterprise 6.0
- GroundWork Monitor Enterprise 6.0.1

Customers currently using the Network Management Suite (NMS) 2.1.2 with Groundwork Monitor 6.0.1 can upgrade to Release 6.1. Customers on previous versions of NMS should upgrade to 6.0.1 with NMS 2.1.2 before upgrading to 6.1.

Important: Complete a full system and database backup prior to upgrading your installation as described in the backup section below.

Important: Ensure you have received your GWOS license key and read the license key description in the previous section before commencing your upgrade.

To start the upgrade process follow the installation steps listed in section 2. If an existing installation is detected you will be prompted to perform an upgrade by the installer.

Following a successfull upgrade please flush the system configuration by performing a commit:

1. Login to GroundWork 6.1 portal as admin
2. Select the Configuration portlet page
3. Select the Control subportlet page
4. Select the Commit link

After upgrading to 6.1 you may encounter the message, “Not Found Error 404 - the requested URL /monitor/index.php was not found on this server.” You must clear your browser's cache and log back in again.

SECTION 4 – FIXED ISSUES SINCE RELEASE 6.0.1

This section summarizes the minor issues fixed since release 6.0.1

Key	Component/s	Summary
GWMON-8209	Dashboards/ My GroundWork	Dashboards, MyGroundWork : Edit preferences- Host Status Summary Portlet (HostSummaryInstance) values are not updated correctly
GWMON-8207	Configuration	Stack trace after executing an Auto Discovery
GWMON-8204	Configuration	Monarch commit generates an error after commit -- Error executing /usr/local/groundwork/core/monarch/bin/nagios_reload (Not a directory)
GWMON-8202	Performance	Auto-refresh in Performance Viewer yields Forbidden message

GWMON-8197	Nagios	Nagios - Tactical Over View - select Outages link
GWMON-8196	Nagios	Nagios - Process Info subpage -- selecting a nagios command link fails
GWMON-8195	Nagios	Nagios - Service Problem - select View History For all hosts link
GWMON-8194	Nagios	Nagios - Nagios Notifications Report - press the update button generates permission error
GWMON-8193	Nagios	Nagios - Nagios Availability Report - create a report generates permission error
GWMON-8192	Nagios	Nagios - Nagios - Nagios StatusMap subpage - select Update button -- generates permission error
GWMON-8191	Nagios	Nagios - Nagios Events subpage - select Update button -- generates permission error
GWMON-8190	Nagios	Nagios - Comment subpage -select the host/service comment link
GWMON-8189	Nagios	Nagios - Host subpage - select a host -- generates permission error
GWMON-8188	Nagios	Nagios - Nagios Trend Report - create a report generates permission error
GWMON-8187	Nagios	Nagios - select an object from tactical overview page -- generates permission error
GWMON-8184	Status Viewer	Service Statistics in Status Viewer --> Entire Network view are out of sync after trying to access the Unknown Pop Up
GWMON-8160	Nagios	Additional security checks for access to Nagios UI
GWMON-8147	Status Viewer	Null pointer exception in status viewer
GWMON-8145	Status Viewer	Selecting any host and then clicking on Entire network takes the user to License key validation screen
GWMON-8141	My GroundWork	Availability portlet re-render wrong time filter graph while frequently change time filter
GWMON-8132	Status Viewer	Overview not updated on poll in large configurations
GWMON-8131	Plugins	Check_procl.sh does not work on Ubuntu platforms
GWMON-8126	Status Viewer	First Detected timestamp sometimes reflects a time after Last Detected timestamp in Status Viewer
GWMON-8125	BitRock	Executing a commit on 64bit EE Ubuntu - outputs nagios errors
GWMON-8122	Console	'Device' name of host changes to '127.0.0.1' after selecting the

		respective event row.
GWMON-8118	My GroundWork	Custom-date-time selection displays wrong data in host availability portlet if both host and service availability portlets are added to dashboard
GWMON-8117	Status Viewer	Pop-ups on info portlets not getting displayed on clicking any link
GWMON-8110	My GroundWork	MyGroundwork> pop-up's appear distorted in host info portlet on clicking any link
GWMON-8098	Status Viewer	Availability portlet gets confused with state changes between noon and 1pm
GWMON-8087	Upgrades	Upgrade from 5.3 PRO to 6.1 EE->HTTP Status 500 - on login page as no jbossportal db after upgrade
GWMON-8086	Upgrades	Upgrade from 5.3 PRO to 6.1 Ent->shows ERROR 1118 (42000) at line 976 in file: '/usr/local/groundwork/core/migration/migrate-gwcollagedb.sql': Row size too large
GWMON-8085	BitRock	Need to add version patch for perl IO module from CPAN
GWMON-8081	BitRock	Include mod_ldap & mod_authnz_ldap modules
GWMON-8075	BitRock	Error on importing/uploading few profiles
GWMON-8074	Foundation	HostStatusProperty.StringValue buffer is too small to hold a large number of cacti graph URL's
GWMON-8062	Status Viewer	Nagios monitoring portlet - host group view - is taking time to update status (Notifications)
GWMON-8059	Console	Create cross links between events in the Event Console and corresponding Status Viewer pages
GWMON-8054	Configuration	Monarch Deploy of linux child server; build instance groups - not working in new build 6.0.1
GWMON-8052	Status Viewer	Last notification is displayed as unavailable in status viewer
GWMON-8051	Auto Discovery	Auto-discovery automation scheme match task detail-"Host profile:" displays list of services instead of host profiles.
GWMON-8049	Dashboards	Portlet display name for Service Summary portlet should be changed from "Host Status Summary Portlet" To "Service Status Summary Portlet"
GWMON-8047	Foundation	Monarch Foundation Sync can take a significant amount of time on a loaded system
GWMON-8045	Status Viewer	Removing the acknowledgement should NOT remove the service comment that was originally associated with the

		acknowledgement.
GWMON-8043	DassMonarch	Dassmonarch.pm does not provide a method to run externals.
GWMON-8042	DassMonarch	MonarchStorProc.pm-> host_profile_apply() does not apply host externals.
GWMON-8036	Configuration	Duplicate key '65535' for 1 error when processing perfdata
GWMON-8030	Auto Discovery	User cannot set auto-discovery automation scheme match task detail to assign a particular service
GWMON-8029	Status Viewer	User should not be able to add already existing services to the servicegroup, it gives error in log
GWMON-8019	Console	ERROR [com.groundworkopensource.webapp.console.ConsoleManager] Invalid Dynamic property set for a public filter is displayed on clicking on some public filters
GWMON-7960	Status Viewer	Validation message is shown on 2 locations -Comment portlet
GWMON-7690	Configuration	Odd text in Monarch pre-flight, Commit screens
GWMON-6319	Nagios	Nagios: "Re-schedule the next check of this service" does not work
GWMON-6194	Configuration	Perfconfig-snmp-aix.xml and perfconfig-snmp-hpux.xml profiles contain references to the specific host
GWMON-6101	Performance	Incorrect Date range shown on graph on creating Performance View for a host and data set combination across an extreme date range
GWMON-5180	Nagios	There is no icon for "View extra services Notes"
GWMON-2108	Plugins	Ssh_mysql_engine and ssh_mysql_database serve the same purpose, ssh_mysql_database needs to be removed
GWMON-1965	Plugins	There are two service checks local_mysql_engine_nopw and local_mysql_database_nopw which give same output

SECTION 5 – KNOWN ISSUES AND LIMITATIONS

32-bit Linux can address up to 4GB of RAM, however many modern computers have more. This can be addressed with 64-bit Linux, or with 32-bit Linux using a PAE kernel. Java has multiple problems starting and running under PAE kernels. GroundWork in particular will not run well at all in this configuration, and so is not supported.

We recommended installing 64-bit Linux and 64-bit GroundWork, or as an alternative, install 32-bit Linux with the standard kernel, and 32-bit GroundWork.

Please be advised that GroundWork does not currently support number formats that use a comma "," to separate whole numbers from decimals instead of a period "." - GWMON-8088.

Using the FireFox browser, when a user opens up the Status Viewer portal page, then opens a new tab with the Event Console portal page, the Event Console portal page does not receive PUSH updates from the GroundWork server. This situation is not occurring with the IE browser. Here are some suggestions to workaround this situation: Open up Event Console portal page first, then open up a new Status Viewer portal browser tab or open up the "Event Console" portal in a "New Window". In both cases, the events get pushed to both applications – GWMON-7990.

Upgrading from 6.1 Community Edition to 6.1 Enterprise, the Auto Discovery “Discovery Definition” is not properly upgraded. Customers who upgrade from CE to EE and wish to bring in the upgraded version of the discovery schema can follow this simple procedure:

In the Community version of the discovery schema, rename the Nmap TCP discovery method to "Nmap TCP Community" and the SNMP discovery method to "SNMP Community". Now a new discovery schema can then be created with the following settings:

name: GroundWork-Discovery-Pro

description: Basic discovery for GroundWork Monitor Professional, using Nmap TCP and SNMP

automation schema: GroundWork-Discovery-Pro

control type: Interactive

template: GroundWork-Default-Pro

This will create the Pro version of the discovery schema, and bring in the Pro versions of the Nmap TCP and SNMP discovery methods. Any local customization that the site has done to the old setup (e.g., a local community string in the SNMP discovery method) can then be applied – GWMON-7922.

Upon startup Apache may emit the following message “Could not reliably determine the server's fully qualified domain name.” This is not normally a cause for concern, but can be corrected if desired. One possible work-around for this issue is to edit the /usr/local/groundwork/apache2/conf/httpd.conf file to explicitly specify the hostname value - GWMON-2149.

If an existing /etc/my.cnf file is found during installation, it is left in place. It is highly recommended that the contents of this file are manually merged with the /usr/local/groundwork/mysql/my.cnf file, and the /etc/my.cnf be removed.

In order to have wave audio files enabled with the GroundWork installation, the nagios/share/media directory was exposed in the apache httpd.conf in order to allow audio wav files to be played when they are configured in the nagios/etc/cgi.cfg file.

The following should be added to /usr/local/groundwork/apache2/confg/httpd.conf:

ScriptAlias /nagios/cgi-bin "/usr/local/groundwork/nagios/sbin"

<Directory "/usr/local/groundwork/nagios/sbin">

Alias /nagios/media "/usr/local/groundwork/nagios/share/media"

<Directory "/usr/local/groundwork/nagios/share/media">

Uncomment for Guava Single Sign On

    AuthType Basic

    require valid-user

The following line should be change to specify the default page for invalid access attempts to this directory

TKTAuthLoginURL http://localhost:80/monitor/index.php

TKTAuthCookieName nagios_auth_tkt

TKTAuthTimeout 0

The monitoring performance portlet may display zero values when first opened. After a short delay the correct information will be shown. – GWMON-7819

Rarely the “Error occurred when processing action command” is seen when using the status viewer actions. If you encounter this problem, use the retry button to resubmit the request. – GWMON-7518

Automatic update does not occur in event console in response to “acknowledge” actions – GWMON-7824.

When a user is given access to the native Nagios web pages their identity will be recorded as “nagiosadmin” This is a known limitation of the Single Sign-on mechanism used to wrap the Nagios pages - GWMON-5646

When using the IE8 browser in the configuration application some controls on the left-side panel may not display. This issue can be worked around by adding the GroundWork Monitor server to the Local Intranet Zone within IE8.

Following a commit operation it may take 60-90 seconds for the configuration change to propagate through to the other application components including the status viewer and event console applications.

Additional minor known issues

Reference	Component	Summary
GWMON-2996	Configuration	Host group downtime can not be deleted
GWMON-4977	Installer	Installer shouldn't assume it can write to current working directory
GWMON-5265	Plugins	Check_cpu sar out input incorrect on RedHat
GWMON-5491	Console	Console All Events view does not differentiate between Nagios alerts and notification messages.
GWMON-5675	Reports	Top Five report gets top five only on maximum value saved over the period
GWMON-5716	Reports	HTTP ERROR: 404 on exporting data in Advanced Reports.
GWMON-5843	NMS	Admin role on NMS child interface should not have access to any configuration applications
GWMON-6182	Portal	Non-US language versions of groundwork cause INVALID DATE STRING exceptions when special chars in date string
GWMON-6485	Configuration	Can't use the Multiple Instances feature of a service check where the check command has no arguments
GWMON-7086	Console	Renaming a host does not update hostnames of new events
GWMON-7220	Portal	Repeated "Network Connection Interrupted" error
GWMON-7455	Configuration	Uploading Group resource macros fails and removes existing

		configuration
GWMON-7632	Dashboards	Event portlet can not be configured for host, service, servicegroup
GWMON-7742	Reports	All host groups host groups status report contains incorrect information
GWMON-7755	Configuration	Monarch groups do not honor contact group assignments (host/host templates)
GWMON-7628	My GroundWork	With user's login, My Groundwork->Configure page should not have Event portlet
GWMON-7889	Administration	Creating different roles with same display names gives HTTP Status 500 error
GWMON-7898	Console	Two messages show up as one in Console
GWMON-7994	Configuration	Possible to define service twice on single host
GWMON-8007	Status Viewer	Add a facility to close all "open" Status Viewer sub-tabs except the current one
GWMON-8048	JBoss Portal	Adding portal pages outside of Sub-pages to the Dashboards page do not allow inheritance of Admin preferences
GWMON-8111	BitRock	setenv.sh breaks when PATH contains "groundwork" but environment is not set properly
GWMON-8134	My GroundWork	Time filter applied on availability portlets are not retained if edit preference on other portlet is clicked
GWMON-8200	Configuration	Extended Host Info Data Disappears

SECTION 6 – ANNOUNCEMENTS AS OF VERSION 6.1

As previously announced, Groundwork Monitor versions 5.0.x are now end-of-life. Customers using these versions are advised to contact GroundWork Support. As previously announced Firefox 2 and Internet Explorer 6 are no longer supported as of release 6.0.

SECTION 7 – ADDITIONAL INFORMATION

ABOUT THE NETWORK SERVICE

This version of GroundWork Monitor includes the Network Service component. This component provides the following capabilities:

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

The Network Service communicates with servers in the checkforupdates.com domain every 12 hours via HTTPS (port 443.) All communication is initiated by the GroundWork Monitor Enterprise server.

The complete set of information sent to GWOS is:

- The type of GroundWork Monitor product installed (e.g. Community Edition and Enterprise Edition) and version.
- The Operating System vendor and version and basic hardware information (RAM, CPU)
- The size of the monitored environment: number of configured devices and hosts, host groups, service checks, users and service checks being used.
- The license key hash (checksum)

If you need to enable the Network Service on an existing GroundWork Monitor Enterprise installation execute the following binary as the root user:

/usr/local/groundwork/network-service/bin/network-service-manager.bin

Proxy Server Configuration

The Network Service will not be able to receive updates if a non-transparent proxy is used. To configure the proxy settings complete the following:

First install the product and enable the Network Service during installation.

Login using a secure shell on the GroundWork server; cd /usr/local/groundwork/network-service/scripts/ or from the command line: .

/network-service-ctl.sh stop

cd /usr/local/groundwork/network-service/bin/

edit agent.conf file and add the following:
proxy_host=xxx.yyy.zzz.www
proxy_port=pppp

Save your changes.

Now restart the network service:

./network-service-ctl.sh stop

./network-service-ctl.sh start

Obtaining Source Code

GroundWork Monitor includes Open Source software. The source for these packages is available for download from the following location: ftp://archive.groundworkopensource.com/pub/groundwork-core/

Modifications to these software projects in source form, are available for download from the following location:
http://archive.groundworkopensource.com/groundwork-opensource/

SECTION 8 – SYSTEM BACKUP INSTRUCTIONS

This section outlines the recommended back up procedures to be completed before upgrading to GroundWork Monitor 6.1

Custom Changes

It is recommended that a complete backup of /usr/local/groundwork be taken before upgrading. If this is not possible the following should be considered the bare minimum set of files to be preserved.

Plugins: /usr/local/groundwork/nagios/libexec

CGI graphs: /usr/local/groundwork/apache2/cgi-bin/graphs

Eventhandlers: /usr/local/groundwork/nagios/eventhandlers

SNMPTT configuration: snmptt.conf, snmptt.ini

Custom syslog filters: syslog.conf, syslog-ng.conf

Logrotate: logrotate.conf, any changes under /etc/logrotate.d

Foundation configuration: foundation.properties

NSCA configuration: nsca.cfg

Distributed deployment configuration: MonarchDeploy.pm

The contents of the 'nagios' user home directory

The contents of the 'nobody' user home directory

The last configuration file: /usr/local/groundwork/nagios/etc/config-last.log

All modified apache configuration files

The contents of /usr/local/groundwork/etc

The contents of /usr/local/groundwork/backup

The contents of /usr/local/groundwork/jobs

RRD Files and Current Nagios Configuration

Back up existing RRD files and your current Nagios configuration. This will create three TAR files in the current directory.

tar cfz GWMON-xxx-rrd.tar.gz /usr/local/groundwork/rrd

tar cfz GWMON-xxx-nagios.tar.gz /usr/local/groundwork/nagios/etc

tar cfz GWMON-xxx-users.tar.gz /usr/local/groundwork/users

MySQL Databases

GroundWork recommends that all MySQL databases be backed up before upgrading. Here are the upgrade procedures to migrate the databases to the latest version of GroundWork Monitor. Create a back up directory (e.g. /usr/local/backup-gwmon/) and enter the following commands to create the back ups:

Monarch (Configuration)

mysqldump -uroot monarch > /usr/local/backup-gwmon/monarch-*YYYYMMDD-HHMMSS*.sql

Guava (Framework)

mysqldump -uroot guava > /usr/local/backup-gwmon/guava-*YYYYMMDD-HHMMSS*.sql

Foundation (Monitor Data)

mysqldump -uroot GWCollageDB > /usr/local/backup-gwmon/GWCollageDB-*YYYYMMDD-HHMMSS*.sql

Log Reporting

mysqldump -uroot logreports > /usr/local/backup-gwmon/logreports-*YYYYMMDD-HHMMSS*.sql

GroundWork Configuration Files

Monarch

Back up the following files and folders before removing GroundWork Monitor and restore after the 6.1 installation.

tar cfz GWMON-xxx-monarchbackup.tar.gz /usr/local/groundwork/core/monarch/backup

tar cfz GWMON-xxx-performance_views.tar.gz /usr/local/groundwork/core/performance/performance_views

If you have done custom work to these files back up the following:

tar cfz GWMON-xxx-monarchcallout.tar.gz /usr/local/groundwork/core/monarch/lib/MonarchCallOut.pm

tar cfz GWMON-xxx-monarchexternals.tar.gz /usr/local/groundwork/core/monarch/lib/MonarchExternals.pm

If you have configured Apache for secure SSL authentication any HTTPS certificates need to be preserved (the

directory of the HTTPS certificates may differ from the example below):

tar cfz ssl-keys.tar.gz /usr/local/groundwork/apache2/conf/ssl.key

Backup data collected by syslog-ng

tar cfz GWMON-xxx-syslog-ng-data.tar.gz /usr/local/groundwork/var/log/syslog-ng

