

GroundWork Monitor 6.1.1 Enterprise Release Notes

This document describes the contents of GroundWork Monitor Enterprise 6.1.1 Release. Please read this document completely before proceeding with installation or upgrade.

Contents

SECTION 1 – CHANGES FROM THE PREVIOUS RELEASE

SECTION 2 – INSTALLATION

SECTION 3 – UPGRADING

SECTION 4 – FIXED ISSUES SINCE RELEASE 6.1

SECTION 5 – KNOWN ISSUES AND LIMITATIONS

SECTION 6 – ANNOUNCEMENTS AS OF VERSION 6.1.1

SECTION 7 – ADDITIONAL INFORMATION

SECTION 8 – SYSTEM BACKUP INSTRUCTIONS

SECTION 1 – CHANGES FROM THE PREVIOUS RELEASE

GroundWork Monitor Enterprise Release 6.1.1 is a minor release. It contains bug fixes and improvements but no major new features. The improvements made since release 6.1 include:

- New tab handling in the Status Viewer to improve performance (especially in Internet Explorer.) A remove all open tabs button has also been added to remove recently viewed items from the menu.
- Overall response times of the Status Viewer application have been improved.
- Within the Configuration application Service Externals can now be merged and replaced.
- GroundWork Distributed Monitoring Agent (GDMA) profiles and server configuration are now included in the release. This enables partners and customers to more easily deploy GDMA's by minimizing the amount of server-side setup required.
- Over 75 additional bug fixes and minor improvements have been implemented.

When installing or upgrading to release 6.1.1 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 6.1.1 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, or equivalent steps on Ubuntu systems where RPM packages are not supported:

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, or by accessing the download area on the GroundWork Customer Center.

Installation

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

Change the permissions of the binary to executable:

```
chmod +x groundworkenterprise-6.1.1-brXX-gwYY-linux-32-installer.bin
```

The specific build version numbers (XX and YY) uniquely identify the release, and are not documented here.

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-6.1.1-brXX-gwYYY-linux-32-installer.bin
```

Text Based Install

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

```
./groundworkenterprise-6.1.1-brXX-gwYYY-linux-32-installer.bin --mode text
```

Unattended Install

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

```
./groundworkenterprise-6.1.1-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-6.1.1-brXX-gwYYY-linux-32-installer.bin --mode unattended --optionfile  
gwininstall.ini
```

Where gwininstall.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-6.1.1-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 6.1.1 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 6.1.1 is only supported from the following versions:

- GroundWork Monitor Enterprise 5.3
- GroundWork Monitor Enterprise 6.0
- GroundWork Monitor Enterprise 6.0.1
- GroundWork Monitor Enterprise 6.1

Customers currently using the Network Management Suite (NMS) 2.1.2 with Groundwork Monitor 6.1 can upgrade to Release 6.1.1. Please read the NMS-212 documentation before upgrading to GroundWork Monitor Enterprise 6.1.1.

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

Customers upgrading from 6.1 to 6.1.1, please be aware that the license key is not preserved during the upgrade. You will either need to backup the license prior to upgrading or cut and paste the license key sent you when you originally purchased the 6.1 release. If you choose to backup the license key do the following:

1. `cp -a /usr/local/groundwork/config/groundwork.lic /root`
2. Now upgrade according the instructions in the readme
3. `cp -a /root/groundwork.lic /usr/local/groundwork/config/`

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 successful upgrade please flush the system configuration by performing a commit:

1. Login to GroundWork 6.1.1 portal as admin
2. Select the Configuration portlet page
3. Select the Control subportlet page
4. Select the Commit link

After upgrading to 6.1.1 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 6.1

This section summarizes the minor issues fixed since release 6.1

Key	Component/s	Summary
GWMON-8488	Status Viewer	Service status portlet on host view does not display the service links after disabling check for host
GWMON-8481	Status Viewer	If user name contains a dot (.), status viewer generates stack traces
GWMON-8478	Tools	Ggwdiags.pl does not detect Ubuntu or allow you to skip

		missing utils
GWMON-8476	Configuration	Multiple scrollbars for iFramed portlets is annoying. System should automatically adjust the height of the page based on the iFrame window
GWMON-8466	Dashboards	Creating a Top level dashboard pages generates many stack traces
GWMON-8463	Configuration	Workflow for Service Externals apply to hosts should be the same as for regular services
GWMON-8462	My GroundWork	Adding service group health portlet to the dashboard shows the default service group name as?
GWMON-8459	Status Viewer	Clicking on the close icon does not close the pop-ups in Action portlet
GWMON-8458	Console	Event Console displays ALL open events instead of the open events of selected hostgroup/servicegroup when any action is performed from Action button
GWMON-8456	My GroundWork	Auto complete distorted in all portlets in MyGroundWork
GWMON-8453	Status Viewer	After clicking on approx. 20 services in SV and the tabs shift to the left.
GWMON-8452	Status Viewer	Gaps in Status Viewer at ServiceGroup level
GWMON-8451	Status Viewer	Missing SV tabs with IE7 browser
GWMON-8450	Status Viewer	Gaps in Status Viewer at HostGroup level
GWMON-8449	Status Viewer	Gaps in Status Viewer at service level
GWMON-8447	Status Viewer	Nagios Statistics Portlet: pagination controls should be displayed only when data is greater than 1 page.
GWMON-8430	Console	Clicking on cancel icon gives HTTP Status 500 on Event Console
GWMON-8429	My GroundWork	IE7: Error on Page when trying to access MyGroundWork portlets
GWMON-8428	Performance	Process_service_perfdata_file crashes after startup
GWMON-8422	Status Viewer	Event portlet should be able to configure number of events per page
GWMON-8412	BitRock	PATH var in crontab does not contain paths to system binaries
GWMON-8411	Status Viewer	Deleting host 'A' distorts host view of Host 'B'
GWMON-8403	Status Viewer	HostGroup View's Filter and Monitoring Statistics portlets are out of place
GWMON-8397	Status Viewer	Size of tabs in tree view portlet is now incorrect and also size of host/service trees seems to be variable.
GWMON-8379	Status Viewer	Tooltip for service name to display host associated with the

		service in tabs
GWMON-8376	Status Viewer	Tree view>Deleting hosts do not remove their corresponding services from service group
GWMON-8372	Status Viewer	When navigating in Status Viewer java.io.IOException is thrown
GWMON-8370	Dashboards	MyGroundWork and dashboard pages do not handle multiple instances of the Event portlet correctly
GWMON-8369	Status Viewer	Service Group>Nagios monitoring portlet displays wrong count in link
GWMON-8367	Status Viewer	IE-8-->Delete button not visible in Host/Service Comment portlet
GWMON-8365	Status Viewer	Mouseover on Close All button shows " tab Set Title"
GWMON-8363	Status Viewer	Service view does not display performance graphs for services
GWMON-8361	Status Viewer	Pie charts are behind in their updates
GWMON-8357	Status Viewer	Availability portlet displays the services of different host - intermittent
GWMON-8354	Status Viewer	Action portlet for host and service incorrectly display the actions for servicegroup
GWMON-8352	Status Viewer	Clicking on close all button shows--> Error Occurred. An error occurred. Please retry after some time on hosts statistics portlet
GWMON-8333	Status Viewer	Add last check time to service and host info portlets
GWMON-8331	BitRock	The installer should execute an unset LANG
GWMON-8328	JBoss Portal	Users with view permissions can still edit portlet preferences in Dashboards
GWMON-8327	BitRock	check_system_uptime plugin requires perl library Sys::Load
GWMON-8324	Configuration	Eliminate multiple nested vertical scrollbars
GWMON-8307	Installer	If License doesn't require network service to be enabled but user has network service activated License Validation will fail
GWMON-8304	BitRock	During an upgrade or clean install, the BitRock installer if it detects a /u//g/users/nagios directory to make sure .bashrc file includes the correct source file entry
GWMON-8283	Appliance	SuSE 11 VM - after changing passwd the first time, after power off and power on , the console message still appears.
GWMON-8279	Dashboards	Seurat View fails to display correct data on refresh
GWMON-8278	Dashboards	Dashboard security settings not honored
GWMON-8276	BitRock	License key checks for network service by looking in obvious text file with obvious key name

GWMON-8240	Build Process	extra copies of libexpat should be eliminated
GWMON-8239	Build Process	Need newer version of Apache httpd in GW Monitor
GWMON-8237	Dashboards	Host Summary Portlet does not have an Entire Network Selection.
GWMON-8236	My GroundWork	Host List Portlet does not have an Entire Network option
GWMON-8233	BitRock	send_nasca does not have the correct binary (the -od option is not present)
GWMON-8185	Status Viewer	Pop-up windows in status viewer should paginate data instead of loading entire result set
GWMON-8134	My GroundWork	Time filter applied on availability portlets are not retained when edit preference on any other portlet is clicked
GWMON-8048	JBoss Portal	Adding portal pages outside of Sub-pages to the Dashboards page do not allow inheritance of Admin preferences
GWMON-8007	Status Viewer	Add a facility to close all "open" Status Viewer sub-tabs except the current one
GWMON-7981	BitRock	need to include mod_security2 and core rule set builds into the GW Monitor distribution
GWMON-7980	Configuration	Double Scrollbars because of too long pages / frames
GWMON-7898	Console	Two messages show up as one in Console
GWMON-7883	Console	Event Console does not remove events from Hostgroup filter view when closed with Action
GWMON-7849	Reports	Host availability reports display wrong values
GWMON-6219	Reports	Host availability report->service availability percentage table shows percentage incorrectly for service in critical state
GWMON-6064	BitRock	snmptt.log file is created with incorrect permissions

SECTION 5 – KNOWN ISSUES AND LIMITATIONS

Customers upgrading from 6.1 to 6.1.1, please be aware that the license key is not preserved during the upgrade. You will either need to backup the license prior to upgrading or cut and paste the license key sent you when you originally purchased the 6.1 release. Please refer to **Section 3 – Upgrades** for more details.

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.

On initial login, in the Status Viewer application, using the action menus items such as “Disable Notifications” may not work. To work around this issue, simply click in another application and click back

to Status- GWMON-8500.

In the 6.1.1 Status Viewer application, once the user clicks the tree view node, the node remains expanded and does not retract once a new node is clicked. The interface should follow the user focus, and currently does not- GWMON-8254.

In the Status Viewer application, the nodes visited by the user are tracked in a "breadcrumbs" portlet. If the user signs on from two different browsers at the same time, and visits the same node, the node will be displayed twice in the breadcrumb list. This is because the navigation tabs are stored by user session, not by user role - GWMON-8489.

The normal service external creation and application to services workflow allows for override of service external settings at the host-service level. However, in older releases, if one makes a change to the service external, and hits "Apply to Hosts", all overrides are deleted and replaced with the new service external. With the release of 6.1.1, this issue has been fixed for only service externals, but not host externals. New buttons appear in several screens, whose actions will vary depending on the state of this flag for each host-service external. New on-screen help has been added where these buttons are presented.

For all customers upgrading to 6.1.1 and who implement the service externals, the migration script will handle these new schema modifications. However, this modification of the database schema will mean that the sites will thereafter not be able to restore any pre-upgrade/migration backup copy of the monarch database without also running the migration script afterward. Thus it is imperative that the site take a backup of the monarch database immediately before an upgrade/migration (as a general safety precaution, in case the upgrade needs to be rolled back) and immediately afterward as well, the "after" backup then ordinarily being the first backup that can thereafter be easily restored - GWMON-8463.

After deleting a HostGroup in Configuration, its corresponding tab is not deleted from Status viewer. Please be aware that selecting a deleted breadcrumb tab will temporarily generate a User Interface error. To work around this issue, delete breadcrumb the tab - GWMON-6968.

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 work around 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 6.0 Community Edition to 6.1.1 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/conf/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

```
TKTAAuthLoginURL http://localhost:80/monitor/index.php
TKTAAuthCookieName    nagios_auth_tkt
TKTAAuthTimeout 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

Key	Summary	Component/s
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GWMON-2149	BitRock	5.1 core install gives httpd warning about determining server's fqdn
GWMON-2996	Configuration	Host group downtime cannot be deleted
GWMON-4815	Auto Discovery	Auto Discovery does not correctly parse multiple community strings from the snmp discovery method
GWMON-4977	BitRock	Installer shouldn't assume it can write to current working directory
GWMON-5265	Plugins	Check_cpu sar out input incorrect on RedHat
GWMON-5434	Foundation	Web Services API uses 'Device Identification' as primary key for all message types, nagios, syslog, etc, but some different devices can have same ip address
GWMON-5454	Configuration	Applying a host profile in the host interface does not apply services associated with host profile.
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-6044	BitRock	PHP script shebang invocation no longer works
GWMON-6182	Portal	Non-US language versions of groundwork cause INVALID DATE STRING exceptions when special chars in date string
GWMON-6216	Console	Event Console date selection is based off GMT but displays local time zone
GWMON-6485	Configuration	Can't use the Multiple Instances feature of a service check where the check command has no arguments
GWMON-6599	Dashboard	Mouse over displays scrambled text in Dashboard and is not visible properly
GWMON-7086	Foundation	renaming a host does not update hostnames of new events in event console
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 cannot 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-7838	Nagios	Nagios views from 5.3 - scheduling queue, server status and view config views are not available in 6.0
GWMON-7889	JBoss Portal	Creating different roles with same display names gives HTTP Status 500 error
GWMON-7994	Configuration	Possible to define a service twice on a host

GWMON-8088	Status Viewer	German language setting in FF3 causes faces exceptions
GWMON-8111	BitRock	Setenv.sh breaks when PATH contains "groundwork" but env is not set properly
GWMON-8146	Configuration	The Check period field does not display in any Host details screen of Monarch
GWMON-8163	Performance	Wide character in print at perfchart.cgi line 1277
GWMON-8165	JBoss Portal	SetEnvIf Referrer does not provide adequate protection
GWMON-8200	Configuration	Extended Host Info Data Disappears
GWMON-8210	Plugins	check_jvm.pl calls to a hard-coded URI
GWMON-8218	JBoss Portal	Potential exposure to man in the middle attack when using https
GWMON-8219	Status Viewer	Actions pop-up does gets cut off in Event Console
GWMON-8220	Dashboard	Portlet popup displays outside of the viewable area
GWMON-8225	BitRock	Migration procedure does not account for network_service tables
GWMON-8235	Nagios	Nagios Notification Report does not properly access report history for all hosts.
GWMON-8241	Status Viewer	Status Viewer - host bar graph appears to show data not related to host state but from syslog messages
GWMON-8272	Bookshelf	Audit Monarch Commit is missing feeder modification in Bookshelf and portlet.xml definition requires update
GWMON-8280	Console	Event console displays events from the wrong filter if action taken while viewing custom filter
GWMON-8296	Foundation	HostStatusProperty.StringValue buffer is STILL too small to hold a large number of cacti graph URL's
GWMON-8311	Status Viewer	Scheduled Downtime author is set to admin regardless of user logged in.
GWMON-8313	Status Viewer	EventPortlet only shows Nagios events for hosts or hostgroups
GWMON-8425	Dashboard	my groundwork dashboard layout changes affect all my groundwork pages
GWMON-8444	Auto Discovery	cacti host profile sync failing to import host
GWMON-8471	JBoss Portal	When a Nagios page is left open for a long period of time, a permissions error is eventually displayed
GWMON-8472	Dashboard	Portlet arrangement issues
GWMON-8481	Status Viewer	If user name contains a dot (.), status viewer generates stack traces
GWMON-8494	Build Process	mysql memory usage increases continuously

GWMON-8495	JBoss Portal	Redirect users to the login page in the event of gwservices restart during a session
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SECTION 6 – ANNOUNCEMENTS AS OF VERSION 6.1.1

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.

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 6.1.1

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 6.1.1 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
```