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UPGRADING FROM GROUNDWORK MONITOR PROFESSIONAL 5.1.x on RHEL 4 to RHEL5

Backing Up Data/Configuration files from RHEL 4 system

1. Back up any custom changes you may have made to your GroundWork Monitor system:

- Plugins:
`/usr/local/groundwork/nagios/libexec`
- CGI Graphs:
`/usr/local/groundwork/apache2/cgi-bin/graphs`
- Eventhandlers:
`/usr/local/groundwork/nagios/eventhandlers`

2. 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
```

3. Database Back Up

GroundWork recommends that all MySQL databases be backed up before upgrading. The upgrade procedure will 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.sql`
- Guava (Framework):
`mysqldump -uroot guava > /usr/local/backup-gwmon/guava.sql`
- Dashboards (Guava Dashboard Config):
`mysqldump -uroot dashboard > /usr/local/backup-gwmon/dashboard.sql`
- Foundation (Monitor Data):
`mysqldump -uroot GWCollageDB > /usr/local/backup-gwmon/GWCollageDB.sql`
- Log Reporting:
`mysqldump -uroot logreports > /usr/local/backup-gwmon/logreports.sql`

4. GroundWork Configuration Files Back Up

- Monarch Back Up
Back up the following files and folders before removing GroundWork Monitor and restore after the 5.1.x installation.
`tar cfz GWMON-xxx-monarchbackup.tar.gz /usr/local/groundwork/monarch/backup`
`tar cfz GWMON-xxx-performance_views.tar.gz /usr/local/groundwork/performance/performance_views`
- If you have done custom work to these files back up the following: Note: This does not apply to GWMON 4.0 to GWMON-PRO 5.1.x upgrade.
`tar cfz GWMON-xxx-monarchcallout.tar.gz /usr/local/groundwork/monarch/lib/MonarchCallOut.pm`
`tar cfz GWMON-xxx-monarchexternals.tar.gz /usr/local/groundwork/monarch/lib/MonarchExternals.pm`

- If you have created any applications with Wrappit, they must be backed up as well. They are found in `/usr/local/groundwork/guava/packages/`. Furthermore you will need to backup the `runtime.inc.php` file found in `/usr/local/groundwork/guava/includes/`
- 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`

Restore Data/Configuration files on RHEL 5 System

1. Install RHEL 5.
2. Install Groundwork Monitor Professional.
3. Drop the databases created by GroundWork Monitor on the RHEL 5 system:
 - bookshelf
 - dashboard
 - guava
 - GWCollageDB
 - logreports
 - monarch
4. Restore databases from RHEL 4 system.
5. Restore all files backed up from RHEL 4 system.
6. Set proper permissions for restored files:
 - Set owner and group to **nobody** for all Guava Wrappit applications files and directories.
 - Set owner to **nobody** and group to **nagios** for `runtime.inc.php`.