GTECH

**LVM accounting data backup/restore procedure**

**Revision 1.0**

**Date: 21-June-2012**

***Wes Wilbers* –Software Engineer**

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Name** | **Comments** |
| 1.0 | 21-Jun-12 | Wes Wilbers | Initial Version |
|  |  |  |  |

Table of Contents

Overview 1

1 Steps to backup the accounting data on an LVM terminal to a USB flash drive. 1

2 Steps to restore accounting data backup files from a USB flash drive to an LVM terminal. 1

# Overview

These steps are helpful in the event that an LVM terminal needs to be swapped but the accounting data at the location wants to be retained. The accounting data on the LVM can be copied to a USB flash drive from an existing machine and then the data can be restored on a newly installed LVM.

# Steps to backup the accounting data on an LVM terminal to a USB flash drive.

1. Plug a USB flash drive that is already formatted in Linux ext2 format and named as ‘DEBUGPLUG’ into the LVM.
2. Reboot the LVM. It will boot into diagnostics mode.
3. Select Extended Diags from diagnostics Main menu.
4. Select LVM Functions from Extended Diags menu.
5. Select Accounting NVRAM from LVM Functions menu.
6. Select Backup Accounting NVRAM from the Accounting NVRAM menu. This will copy all the accounting data to the USB flash drive.
7. WAIT 5+ MINUTES AFTER SELECTING BACKUP ACCOUNTING NVRAM.

WARNING: The reason you need to wait 5+ minutes is because the LVM will display ‘Backup completed successfully’ prematurely! In reality the data is still being copied and can be large so be sure you give enough time for the copy to complete.

1. After waiting 5+ minutes for the copy to complete, remove the USB flash drive. The accounting data backup is now on the USB flash drive.

# Steps to restore accounting data backup files from a USB flash drive to an LVM terminal.

1. Plug a USB flash drive that is already formatted in Linux ext2 format, contains accounting data backup files (from steps above) and named as ‘DEBUGPLUG’ into the LVM.
2. Reboot the LVM. It will boot into diagnostics mode.
3. Select Extended Diags from diagnostics Main menu.
4. Select LVM Functions from Extended Diags menu.
5. Select Accounting NVRAM from LVM Functions menu.
6. Select Restore Accounting NVRAM from the Accounting NVRAM menu. This will restore the accounting data from the backup files on the USB flash drive to the LVM.
7. WAIT 5+ MINUTES AFTER SELECTING RESTORE ACCOUNTING NVRAM.

WARNING: The reason you need to wait 5+ minutes is because the LVM will display ‘Restore completed successfully’ prematurely! In reality the data is still being copied and can be large so be sure you give enough time for the copy to complete.

1. After waiting 5+ minutes for the copy to complete, remove the USB flash drive. The accounting data from the backup files on the USB flash drive are not restored to the LVM.