11.2 Installation of PowerHA SystemMirror for Linux

This section shows how to install PowerHA for Linux.

11.2.1 Prerequisites

Before you install the PowerHA SystemMirror on a Linux system, you must meet the following prerequisites:

► You must have root authority to perform the installation.

► The following scripting package is required in each SUSE Linux Enterprise Server and RHEL system:

  – KSH93 (`ksh-93vu-18.1.ppc64le`) for SUSE Linux Enterprise Server
  – KSH93 (`ksh-20120801`) for RHEL.

  The downloaded files contain the source package for the `ksh-93vu-18.1.src.rpm` files that must be compiled to get the `ksh-93vu-18.1.ppc64le.rpm` files. To compile the files, run the following command:

  `rpmbuild --rebuild ksh-93vu-259.1.src.rpm.`

► As a best practice, each distribution must a connection to the subscription service so that it can download the packages, for example, satellite for Red Hat and smt for SUSE. The repository location of each package can vary over time.

► The following packages are required in the RHEL system:

  – `bzip2`
  – `nfs-utils`
  – `perl-Pod-Parser`
  – `bind-utils`
  – `lsscsi`
  – `sg3_utils`

► For SUSE, it is a best practice to have the following repositories:

  – IBM Power SDK Tools
  – `IBM-DLPAR-utils`
  – `IBM-DLPAR-Adv-Toolchain`
  – `IBM-DLPAR-SDK`
  – `IBM_Power_Tools`
  – `SLE-12-SP3-SAP-12.3-0`
  – `SLE-SDK12-SP3-Updates`
  – SUSE Linux Enterprise Server12-SP3-Updates

11.2.2 Prerequisites check

If you want to validate that the prerequisites of the software are correct, you can validate them as shown in Example 11-4.

Example 11-4   Cloud: Tools (SLE_12_SP3) - Verifying that all prerequisites are met

```
sles12-n1:/tmp/POWERHA7.2.2Linux/PHA7220Linux64 # ./installPHA --onlyprereq
 checking :Prerequisites packages for PowerHA SystemMirror
 Success: All prerequisites of PowerHA SystemMirror installed
installPHA: No installation only prerequisite check was performed
```