Readme for BigInsights 4.0 fix

This Readme applies to the fix for vulnerability, CVE-2015-1947: Local escalation of privilege vulnerability in DB2.

Given the following starting information:

1. db2 installation in "/home/wsdblnx9/sqllib”
2. The db2level:

su - bigsql and run db2level:  
  
$ db2level

DB21085I  This instance or install (instance name, where applicable:  
"wsdblnx9") uses "64" bits and DB2 code release "SQL10063" with level  
identifier "0704010E".  
Informational tokens are "DB2 v10.6.0.3", "special\_34956", "IP23850\_34956", and  
Fix Pack "3".  
Product is installed at "/home/wsdblnx9/sqllib".

## Installation is as follows:

1. Log on to the Big SQL head node as root.
2. Prepare the DPF instance to be updated.

In order to update a BigSQL instance on a non-shared filesystem, each host needs to be temporarily converted to a single host instance.

This is done using the following steps:

* + Stop the BigSQL instance
  + Export SKIP\_SHAREDFS\_CHECK=YES

1. Download the following file:
   * [http://www-933.ibm.com/support/fixcentral/swg/selectFixes?parent=ibm~Information%2BManagement&product=ibm/Information+Management/DB2&release=All&platform=All&function=fixId&fixids=special\_35027\_DB2-linuxx64-server\_t-10.6.0.3-FP003%3A198365949135300256&includeSupersedes=0](http://www-933.ibm.com/support/fixcentral/swg/selectFixes?parent=ibm%7EInformation%2BManagement&product=ibm/Information+Management/DB2&release=All&platform=All&function=fixId&fixids=special_35027_DB2-linuxx64-server_t-10.6.0.3-FP003%3A198365949135300256&includeSupersedes=0)
2. Extract it to a temporary location (example: /tmp/db2\_special )
3. Change directory to /tmp/db2\_special/server
   * Execute: ./installFixPack -f level
   * Enter the original installation directory
   * Choose no if you do not want to install to a new directory  
       
     Example:  
       
     [root@machine server]# **./installFixPack -f level**Enter the full path of the base installation directory:  
       
     -------------------------------------------------------  
     **home/wsdblnx9/sqllib**  
     Do you want to choose a different installation directory for the fix pack? [yes/no]   
       
     ------------------------------------------------------------------------------------  
     **no**  
     DBI1017I installFixPack is updating the DB2 product(s) installed in  
      location **home/wsdblnx9/sqllib**  
       
     At the end of install, the instances will already be updated.

Check levels:

New levels will be:

1. Same install location
2. su - bigsql and run db2level:

$ db2level

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1. Verify the catalog instance to ensure correct code level.

DB2 Health Check:

Run DB2 command to check the health of database manager:

* db2 get health snapshot for dbm

Healthy alert states will be **Normal**.