Pengfei Li (pl189)

Homework 6, ECE 590 & CS320 Software Reliability.

- ## Linux Kernel: https://bugzilla.kernel.org

ARB
:MEM
https://bugzilla.kernel.org/show_bug.cgi?id=72231
just as the description of the bug, it would continuously leak memory, finally causing crash. Because it is related to memory management, it is MEM.
https://bugzilla.kernel.org/show_bug.cgi?id=205603
https://bugzilla.kernel.org/show_bug.cgi?id=210293
https://bugzilla.kernel.org/show_bug.cgi?id=88881
the above three bugs are related to memory leak, so they are MEM.

NAM
:ENV
https://bugzilla.kernel.org/show_bug.cgi?id=214205
After updating the bios, the bug has been fixed, so it is a bug related to the system-internal environment.
https://bugzilla.kernel.org/show_bug.cgi?id=215271
disable 'eth' would fix this problem, so it is a bug related to eth. it is a ENV bug.

BOH
https://bugzilla.kernel.org/show_bug.cgi?id=213091
there is a use-of-uninitialized-data bug in `__slab_free` function. It is neither ARB nor NAM, so it is BOH.

- ## MySQL: http://bugs.mysql.com

ARB
:MEM
https://bugs.mysql.com/bug.php?id=83047
the program would gradually utilizes system memory to the point where there are no system memory or cache available bringing the system to a halt. Therefore, it is a MEM.

BOH
https://bugs.mysql.com/bug.php?id=94747
it is a documentation bug, not ARB or NAM, so it is BOH.
https://bugs.mysql.com/bug.php?id=77637
this is because of the wrong initialization. It is a BOH bug.

https://bugs.mysql.com/bug.php?id=71220
this bug is due to wrong input. It is a BOH bug.
https://bugs.mysql.com/bug.php?id=96900
one thread interrupts another thread that is executing and interrupts by creating a database connection, but the connection is not closed. It is a BOH bug.
https://bugs.mysql.com/bug.php?id=93374
GetStream method would return wrong value. This bug is not related to ARB or NAM, so it is a BOH bug.

https://bugs.mysql.com/bug.php?id=97742
a certain query was allowed to run even though neither of other conditions were met. It is a BOH bug.

- **Apache: https://issues.apache.org/bugzilla**

ARB
:MEM
https://bz.apache.org/bugzilla/show_bug.cgi?id=46863
Unable to close DeflaterOutputStream and over time led to OutOfMemoryError
https://bz.apache.org/bugzilla/show_bug.cgi?id=64264
https://bz.apache.org/bugzilla/show_bug.cgi?id=31105
The above two is related memory leak, so they are MEM.

NAM
:SEQ
https://bz.apache.org/bugzilla/show_bug.cgi?id=45237
Call order of FOEventHandler method is incorrect, so it is SEQ.
https://bz.apache.org/bugzilla/show_bug.cgi?id=59932
Should first use groupColumn, then setColumnWidth and it works. Therefore it is a SEQ bug.
https://bz.apache.org/bugzilla/show_bug.cgi?id=47642
it is a bug because of interleaving I/O in incorrect order

BOH
https://bz.apache.org/bugzilla/show_bug.cgi?id=56300
The errors are because person only have a single member in the cluster so there is nowhere to send the message to. It is a BOH bug.