AIX

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POWER Server Bulletins

CPU

Simulate CPU load

The number 4 indicates how many threads you want to load

```
perl -e 'while (--$ARGV[0] and fork) {}; while () {}' 4
```

Trace per-process CPU usage

```
tprof -x sleep 60
```

High j2pg usage

j2pg - Kernel process integral to processing JFS2 I/O requests.

The kernel thread is responsible of managing I/Os in JFS2 filesystems, so it is normal to see it running in case of lot of I/Os or syncd. We could see that j2pg runs syncHashList() very often.The sync is done in syncHashList(). In syncHashList(), all inodes are extracted from hash list. And whether the inode needs to synchronize or not is then judged by iSyncNeeded().

Note that a sync() call will cause the system to scan *all* the memory currently used for filecaching to see which pages are dirty and have to be synced to disk

Therefore, the cause of j2pg having this spike is determined by the two calls that were being made (iSyncNeeded ---> syncHashList.