



## Load Test: Dev Catalog 2010-08-09: Patron Status Request Endurance Test

```

Info[9]: -----
Info[9]: Task Set          -> 2010-08-09 05:49:23 SIP Patron Status
Info[9]: Thread Count       -> 13
Info[9]: Task Counts        -> {'LoginTask': 65, 'PatronStatusTask': 6500}
Info[9]: Total Tasks        -> 6565
Info[9]: Total time          -> 49.053 seconds
Info[9]: Average task time   -> 0.094 seconds
Info[9]: Real Time / Total Tasks -> 0.007 seconds/task
Info[9]: -----

```

## Load Test: Dev Catalog 2010-08-09: Item Info Request Endurance Test

```

Info[5]: -----
Info[5]: Task Set          -> 2010-08-09 05:46:43 SIP Item Info
Info[5]: Thread Count       -> 13
Info[5]: Task Counts        -> {'ItemInfoTask': 6500, 'LoginTask': 65}
Info[5]: Total Tasks        -> 6565
Info[5]: Total time          -> 86.065 seconds
Info[5]: Average task time   -> 0.151 seconds
Info[5]: Real Time / Total Tasks -> 0.013 seconds/task
Info[5]: -----

```

## Load Test: Dev Catalog 2010-08-06: Item Info Request Endurance Test

```

Info[5]: -----
Info[5]: Task Set          -> 2010-08-06 06:33:28 SIP Patron Status
Info[5]: Thread Count       -> 13
Info[5]: Task Counts        -> {'ItemInfoTask': 6500, 'LoginTask': 65}
Info[5]: Total Tasks        -> 6565
Info[5]: Total time          -> 87.102 seconds
Info[5]: Average task time   -> 0.152 seconds
Info[5]: Real Time / Total Tasks -> 0.013 seconds/task
Info[5]: -----

```

**Note:** No change.

## Load Test: Dev Catalog 2010-08-06: Patron Status Request Endurance Test

**Note:** This is post fee\_amount change. After the speedup, this test runs 8 times faster. Load on the drone box went from 0-1% idle to ~90% idle

```

Info[4]: -----
Info[4]: Task Set          -> 2010-08-06 06:26:06 SIP Patron Status
Info[4]: Thread Count       -> 13
Info[4]: Task Counts        -> {'LoginTask': 65, 'PatronStatusTask': 6500}
Info[4]: Total Tasks        -> 6565
Info[4]: Total time          -> 50.612 seconds
Info[4]: Average task time   -> 0.097 seconds
Info[4]: Real Time / Total Tasks -> 0.008 seconds/task
Info[4]: -----

```

## Load Test: Dev Catalog 2010-08-05: Patron Status Request Endurance Test

**Note:** Latest speed commit not yet propagated through software update

```

Info[2]: -----
Info[2]: Task Set          -> 2010-08-05 06:21:38 SIP Patron Status
Info[2]: Thread Count       -> 13
Info[2]: Task Counts        -> {'LoginTask': 65, 'PatronStatusTask': 6500}

```

```

Info[2]: Total Tasks          -> 6565
Info[2]: Total time          -> 400.956 seconds
Info[2]: Average task time   -> 0.790 seconds
Info[2]: Real Time / Total Tasks -> 0.061 seconds/task
Info[2]: -----

```

### Load Test: Dev Catalog 2010-08-05: Item Info Request Endurance Test

```

Info[5]: -----
Info[5]: Task Set             -> 2010-08-05 06:18:43 SIP Item Info
Info[5]: Thread Count        -> 13
Info[5]: Task Counts         -> {'ItemInfoTask': 6500, 'LoginTask': 65}
Info[5]: Total Tasks         -> 6565
Info[5]: Total time          -> 85.483 seconds
Info[5]: Average task time   -> 0.152 seconds
Info[5]: Real Time / Total Tasks -> 0.013 seconds/task
Info[5]: -----

```

**Note:** Confirmed suspicion. Drone server under much less load than during patron status request, due to lack of open-ils.storage calls

### Code Change: Patron Status Request Speedup (cstore)

⇒ <http://svn.open-ils.org/trac/ILS/changeset/17073>

### Load Test: Dev Catalog 2010-08-04: Patron Status Request Endurance Test

```

Info[2]: -----
Info[2]: Task Set             -> 2010-08-04 07:25:18 SIP Patron Status
Info[2]: Thread Count        -> 13
Info[2]: Task Counts         -> {'LoginTask': 130, 'PatronStatusTask': 13000}
Info[2]: Total Tasks         -> 13130
Info[2]: Total time          -> 801.542 seconds
Info[2]: Average task time   -> 0.790 seconds
Info[2]: Real Time / Total Tasks -> 0.061 seconds/task
Info[2]: -----

```

**Note:** The drone server is heavily CPU-bound with the open-ils.storage service. I identified the fee\_amount() function, which opens a transaction, calls open-ils.storage.money.open\_user\_summary.search, then closes the transaction as the culprit. Solution is to re-write the call using cstore.

### Load Test: Dev Catalog 2010-08-04: Item Information Request Endurance Test

```

Info[5]: -----
Info[5]: Task Set             -> 2010-08-04 06:33:25 SIP Item Info
Info[5]: Thread Count        -> 13
Info[5]: Task Counts         -> {'ItemInfoTask': 13000, 'LoginTask': 130}
Info[5]: Total Tasks         -> 13130
Info[5]: Total time          -> 168.555 seconds
Info[5]: Average task time   -> 0.149 seconds
Info[5]: Real Time / Total Tasks -> 0.013 seconds/task
Info[5]: -----

```

### Load Test: Dev Catalog 2010-08-04: Item Information Request Endurance Test

```

Info[5]: -----
Info[5]: Task Set             -> 2010-08-04 05:44:29 SIP Item Info
Info[5]: Task Counts         -> {'ItemInfoTask': 13000, 'LoginTask': 130}
Info[5]: Total Tasks         -> 13130
Info[5]: Total time          -> 170.437 seconds
Info[5]: Average task time   -> 0.150 seconds
Info[5]: Real Time / Total Tasks -> 0.013 seconds/task
Info[5]: -----

```

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