

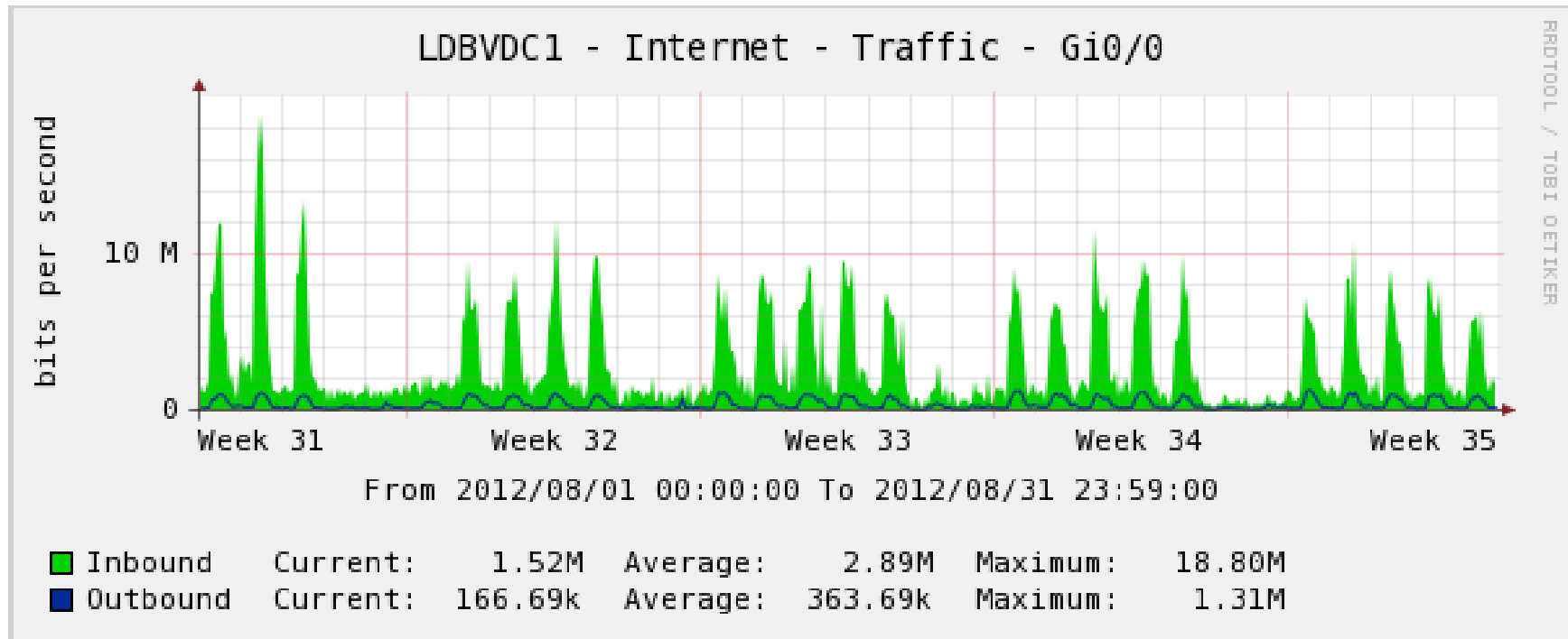
Data Centre Chart Analysis

August 2012



Monthly VDC Bandwidth Graphs – August 2012

Internet Bandwidth – VDC



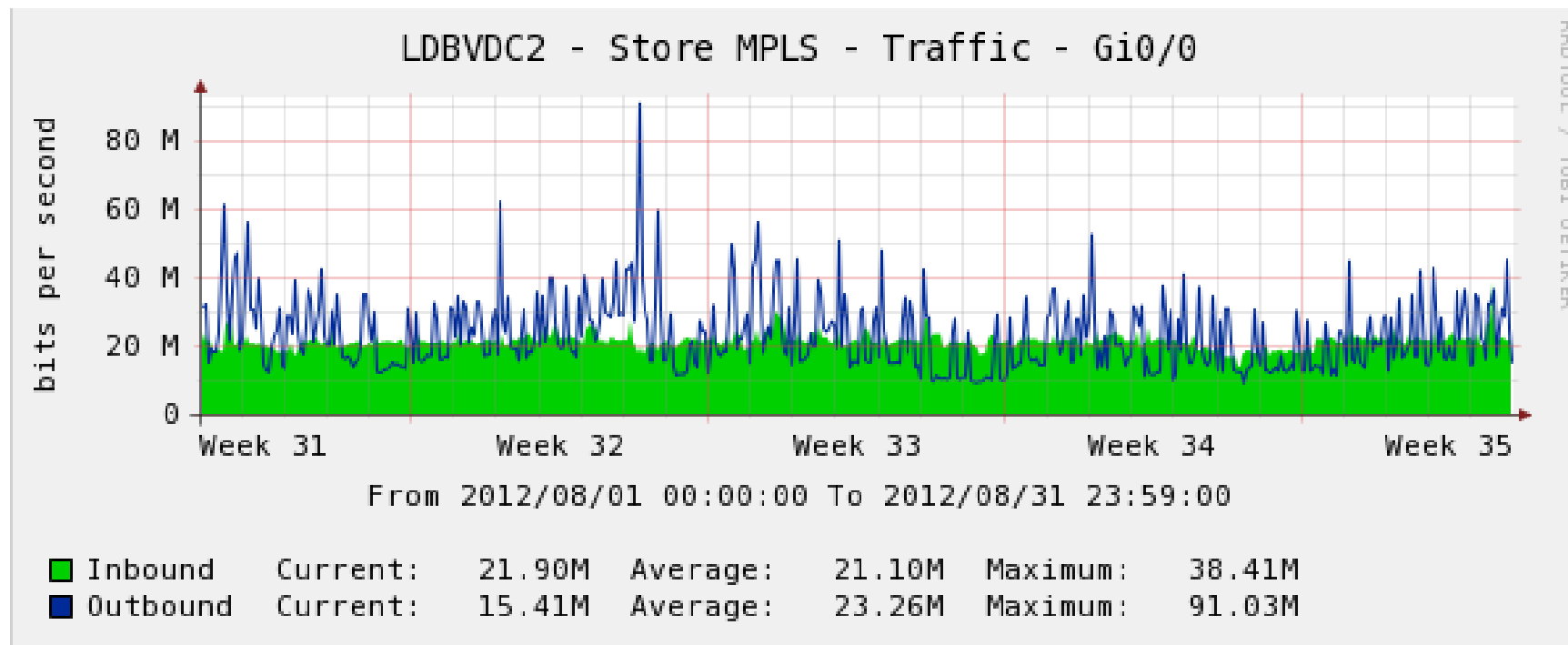
Summary: Graphical view of traffic going through Head Office to the Internet. The maximum traffic allowed is 20Mbs.

Observation: During HO core hours (8:00 to 4:30), Internet link was not as active due to people being on vacation. However it was sustained at 45% of the available bandwidth. Only once the bandwidth has reached more than 10 MB/second.

Recommendation: Not applicable

Monthly VDC Bandwidth Graphs – August 2012

Bandwidth between HO and Stores



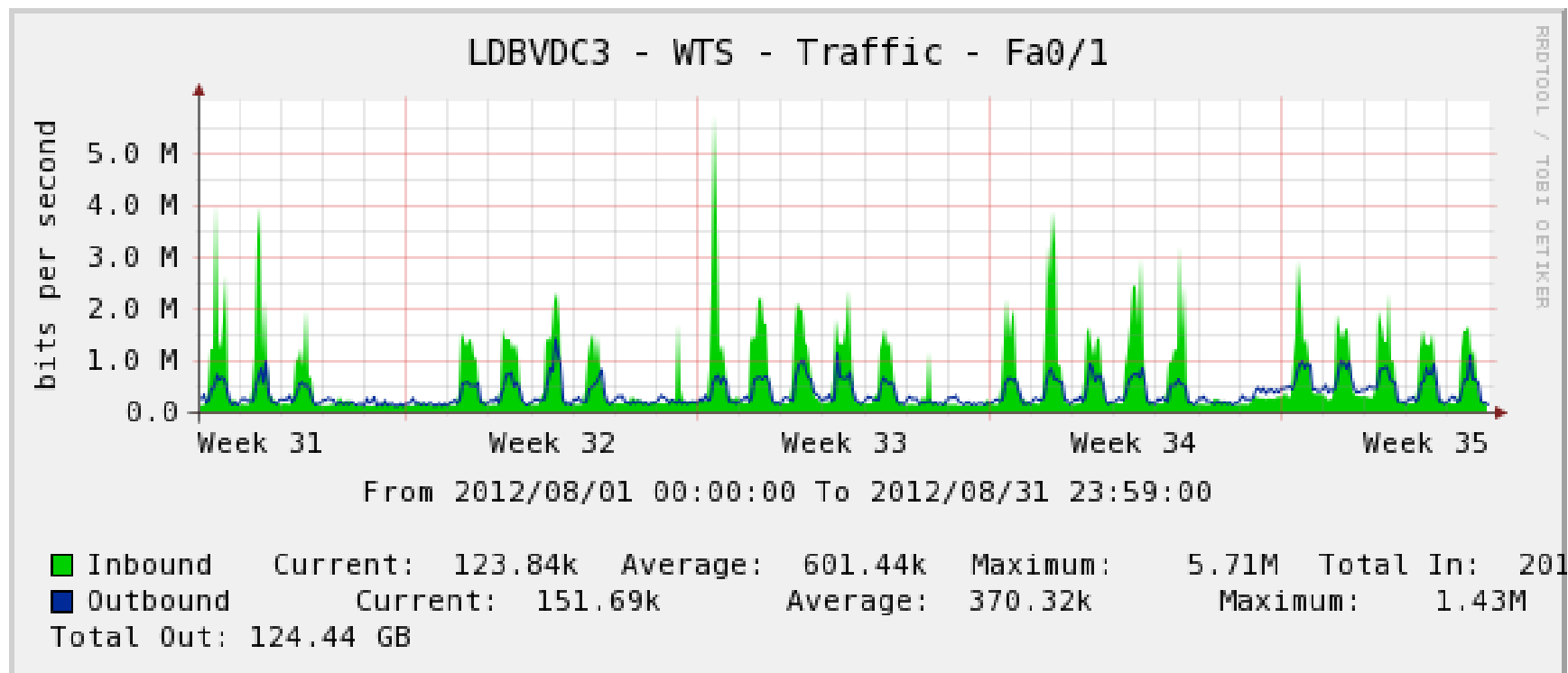
Summary: Graphical view of traffic going through Stores to Head Office via Internet.

Observation: Solid green of inbound traffic means stores were busy sending orders and sales data back HO but otherwise no significant problems occurred during the month.

Recommendation: Not applicable

Monthly VDC Bandwidth Graphs – August 2012

Bandwidth used for Email, DNS and any Government websites



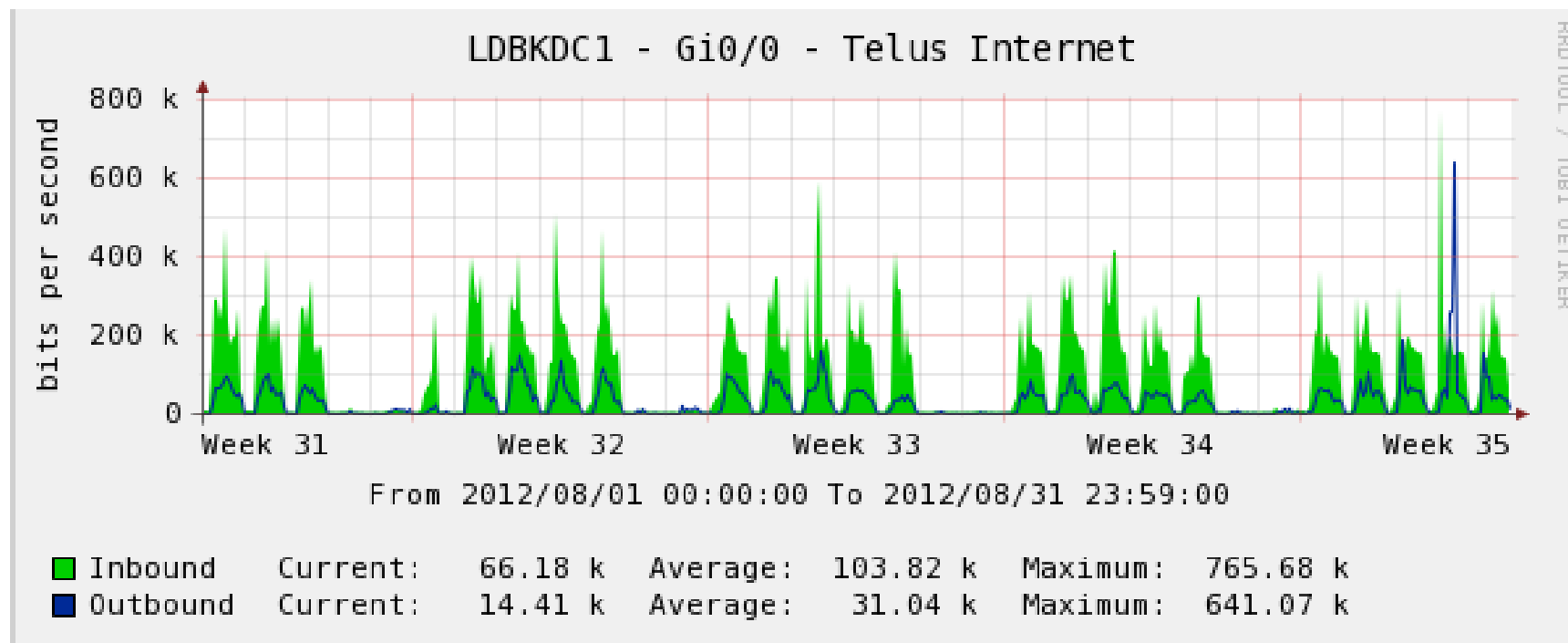
Summary: Graphical view of traffic going through WTS to Head Office via Internet.

Observation: Network utilization of the service above is deemed working within normal parameters.

Recommendation: Not applicable

Monthly KDC Bandwidth Graphs – August 2012

Internet Bandwidth – KDC



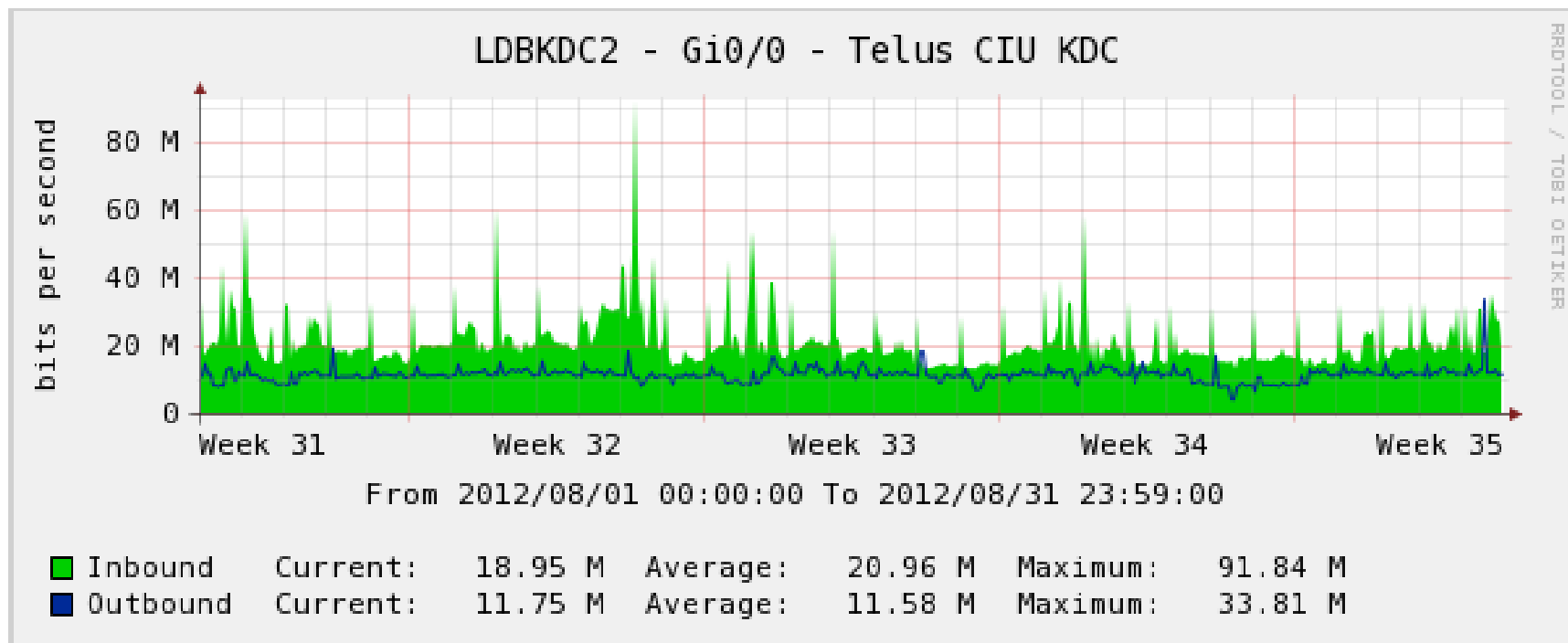
Summary: Graphical view of traffic going through KDC to the Internet.

Observation: Minimal use

Recommendation: Not applicable

Monthly KDC Bandwidth Graphs – August 2012

Bandwidth between KDC and Stores



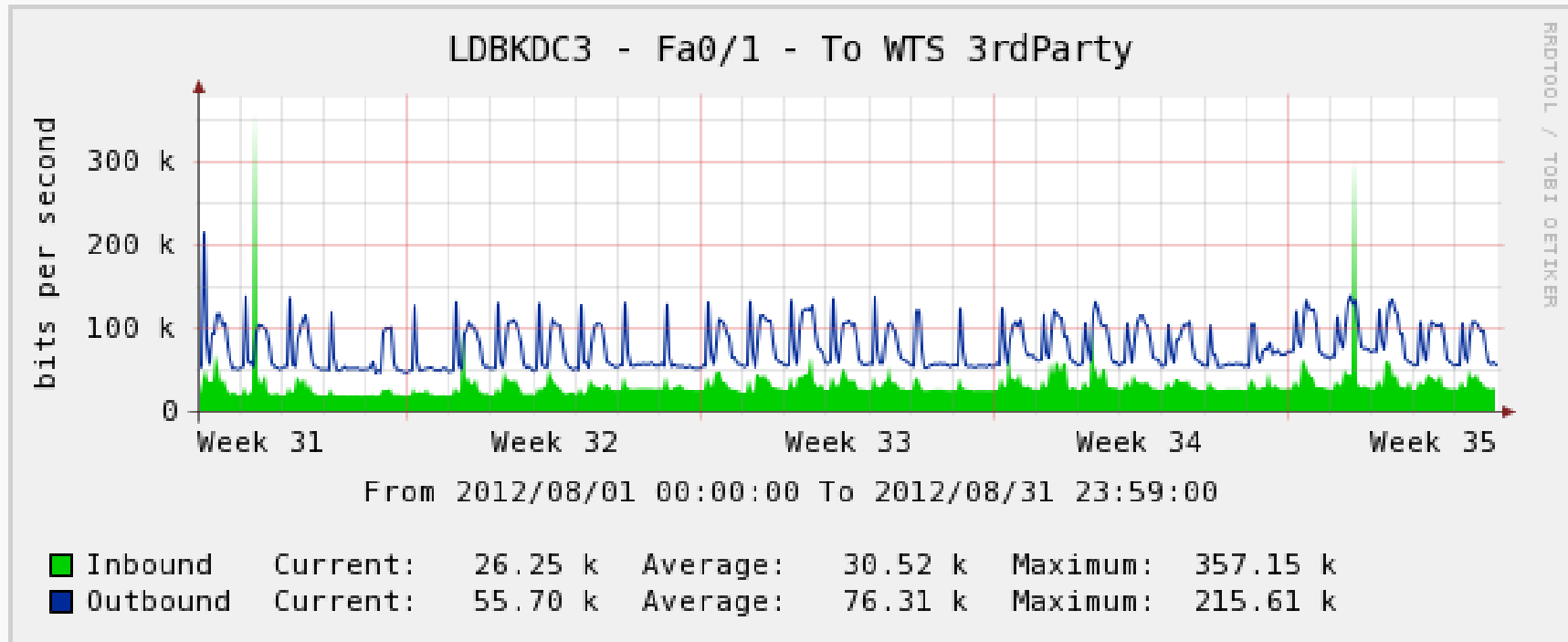
Summary: Graphical view of traffic going through Stores to KDC via Internet.

Observation: Network utilization of the service above is deemed working within normal parameters.

Recommendation: Not applicable

Monthly KDC Bandwidth Graphs – August 2012

Bandwidth used for Email, DNS, and KDC via WTS

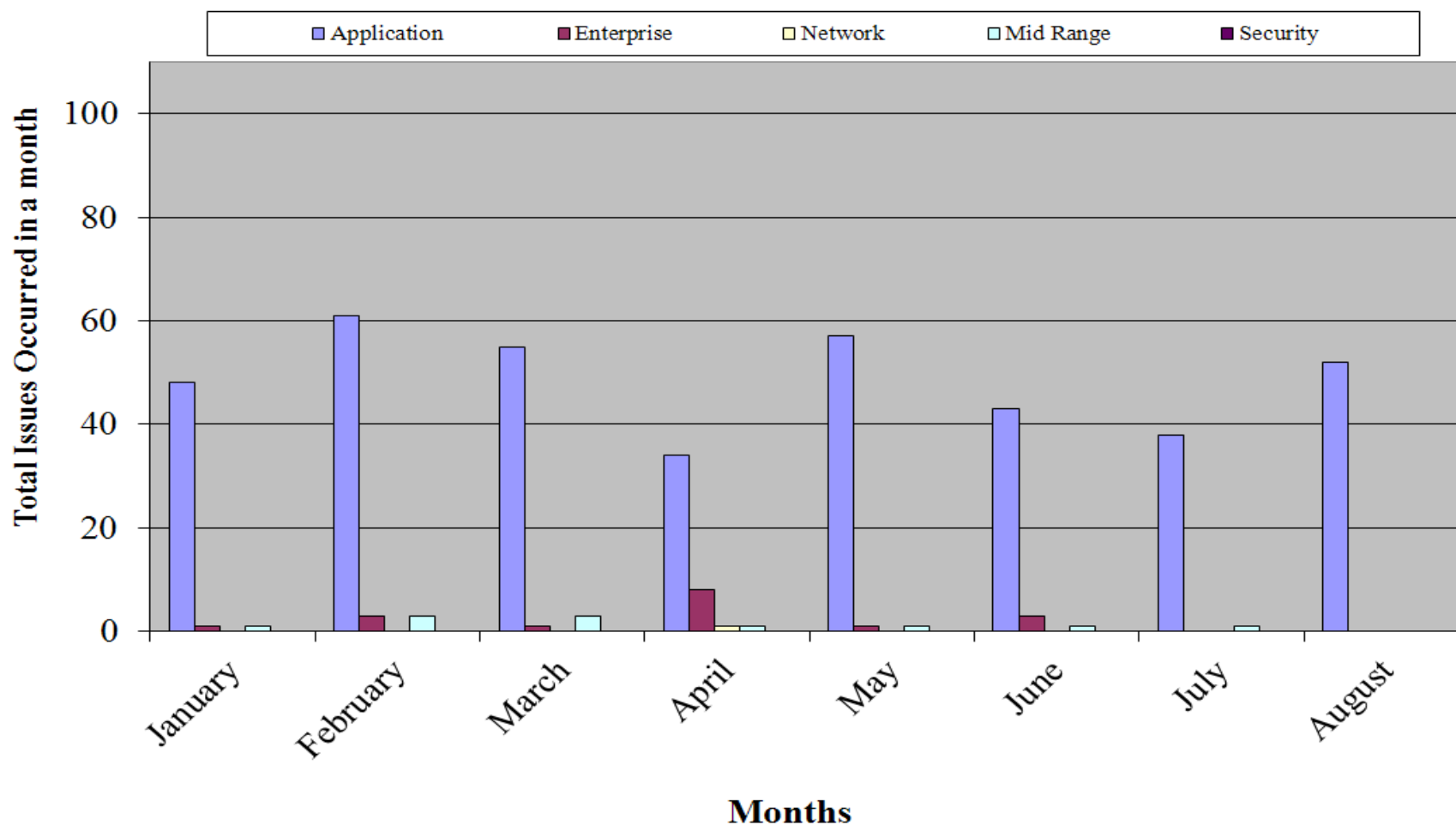


Summary: Graphical view of traffic going through KDC to WTS via Internet.

Observation: Minimal use

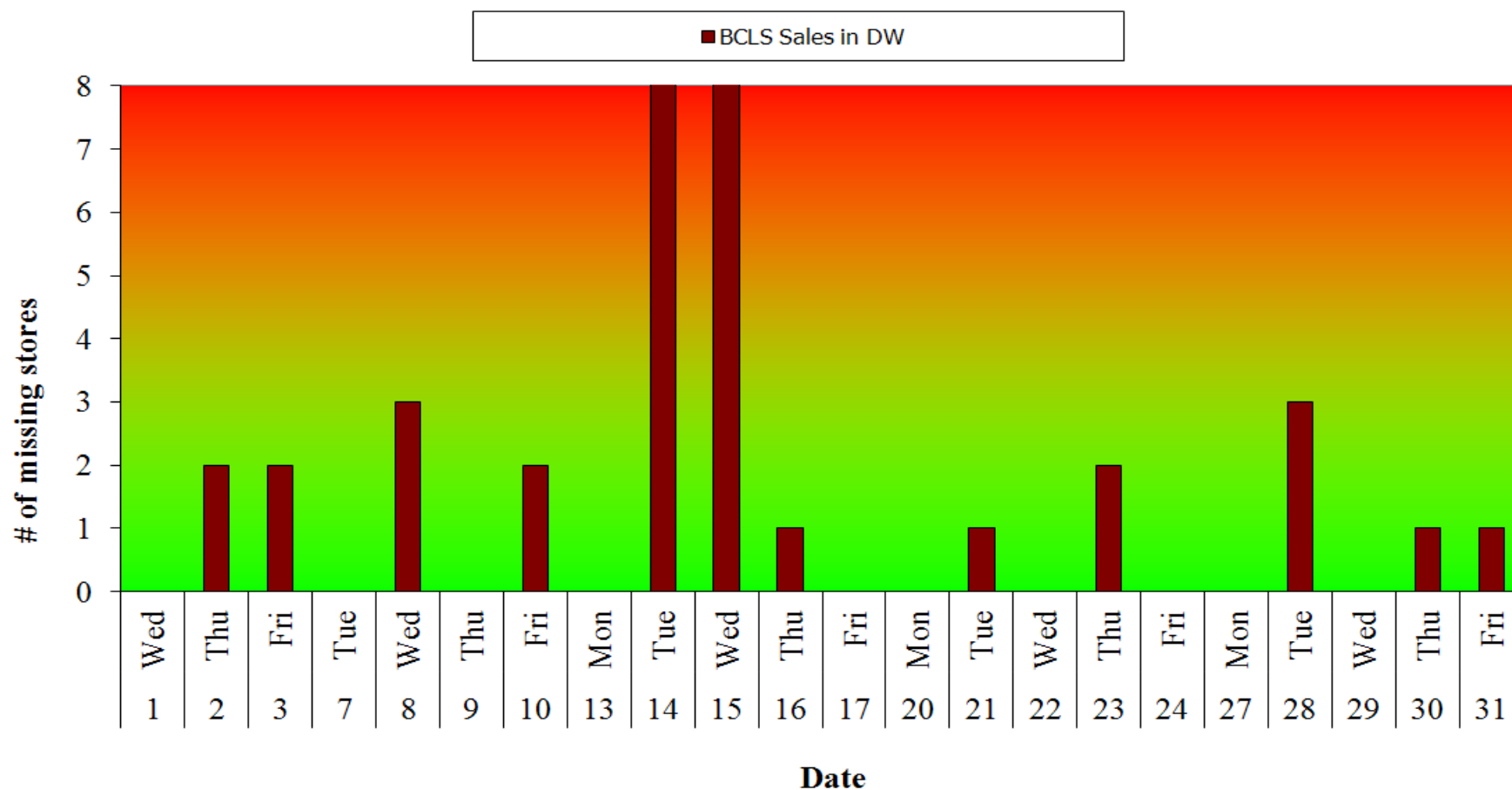
Recommendation: Not applicable

Data Centre Production Issues 2012



- Summary:** High level graphical view of monthly production issues from January 2012 to August 2012. Input comes from Operations daily status report.
- Observation:** Majority are application issues of which 31% are Autosys jobs and 50% are run away process (see BMC tickets for more information) for the month of August.
- Recommendation:** Not applicable

Sales – Finance Data Availability - August 2012

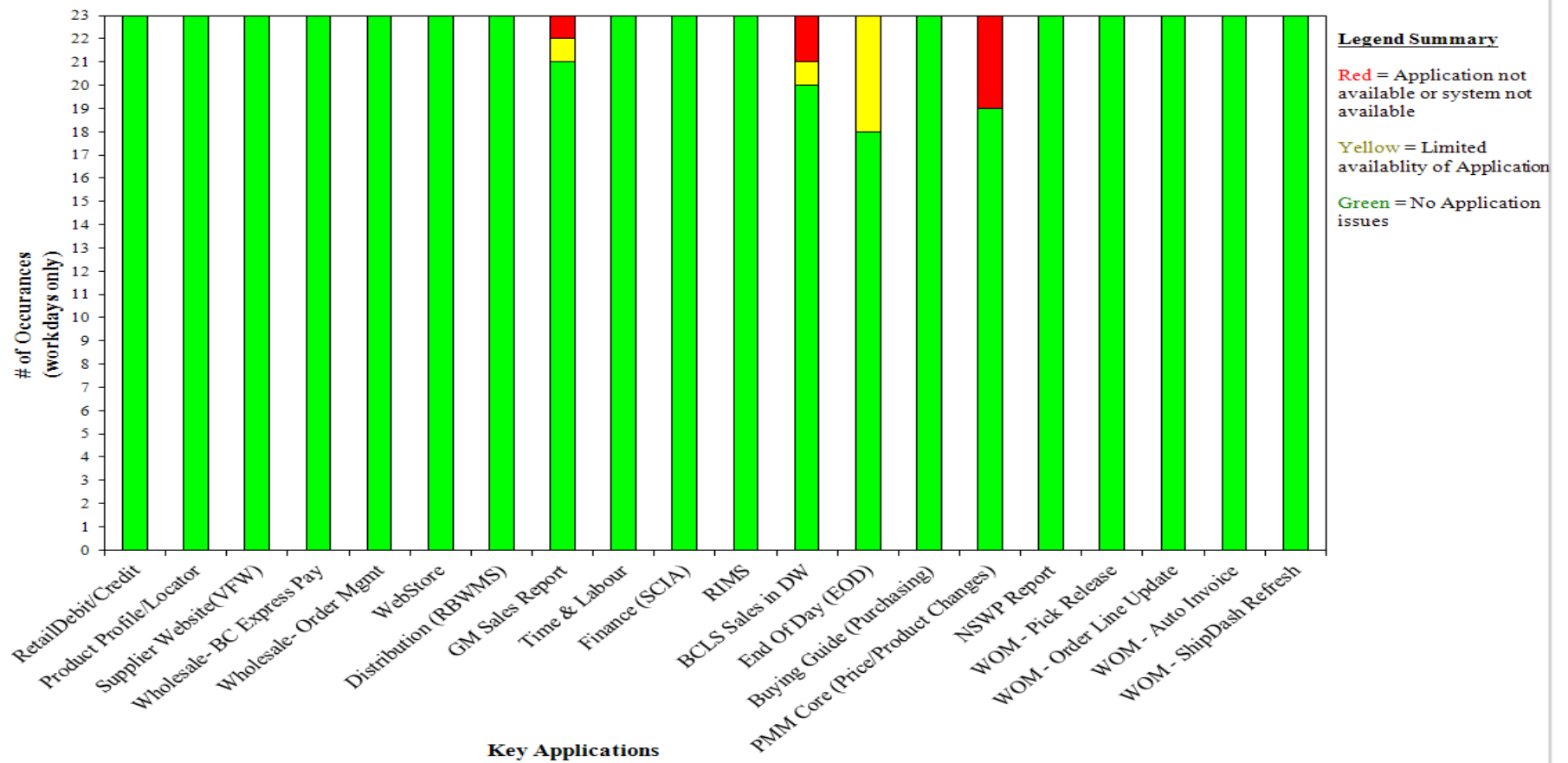


Summary: Graphical view of transmitted BCLS Stores Financial Sales Data to Head Office in Data Warehouse.

Observation: On August 14th and 15th there were Autosys issues that occurred, please refer BMC # 497528 for details.

Recommendation: Not applicable

Daily Availability of Business Application – August 2022



Summary:

High level graphical view of Business Applications availability.

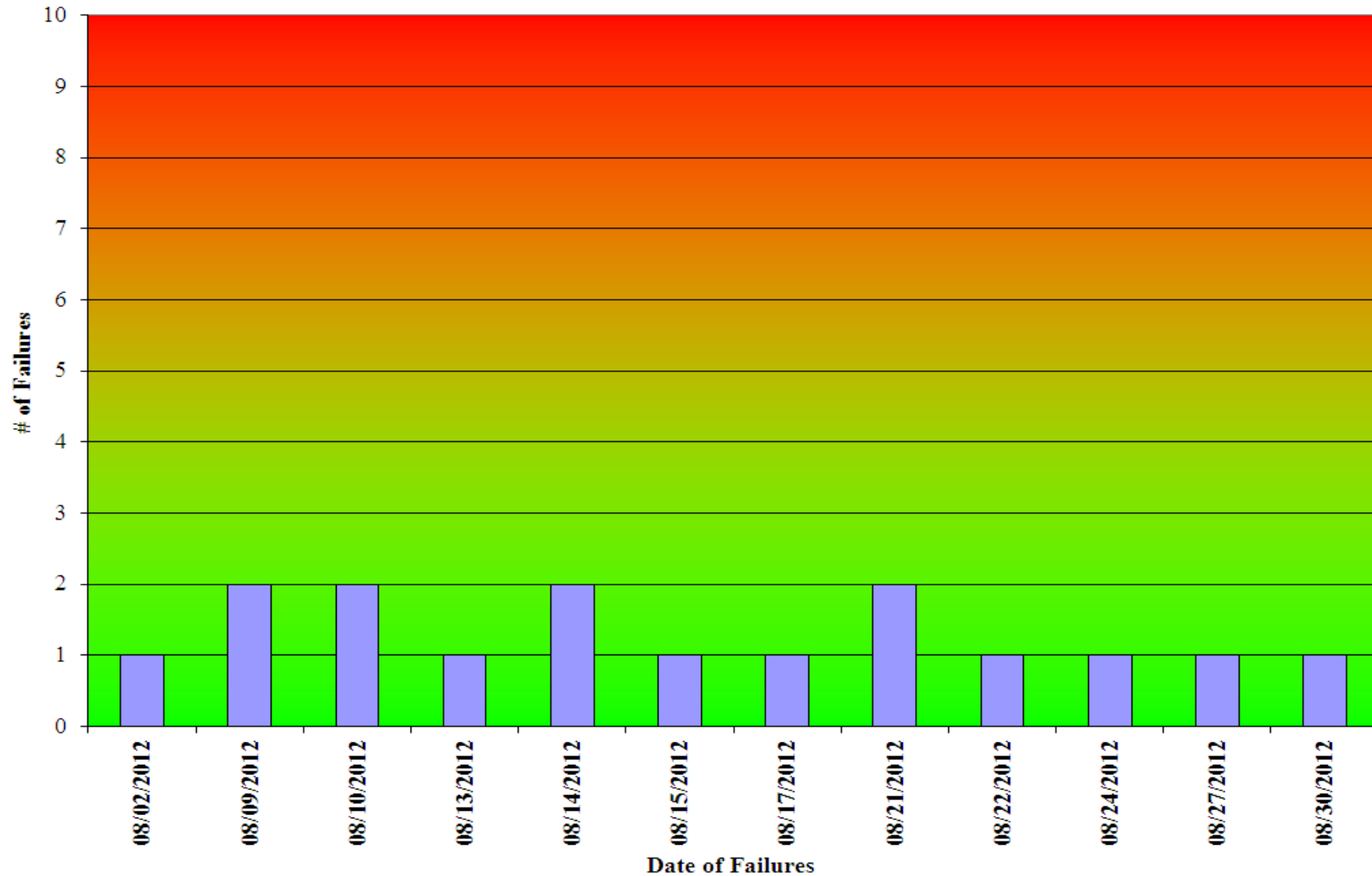
Observation:

In August there were issues with Core Box, BCLS Sales in DW and GM Sales Report. Please refer to BMC # 496972, 497155, 499257 and 499433 for further details.

Recommendation:

Not applicable

Autosys Jobs failed per day – August 2012

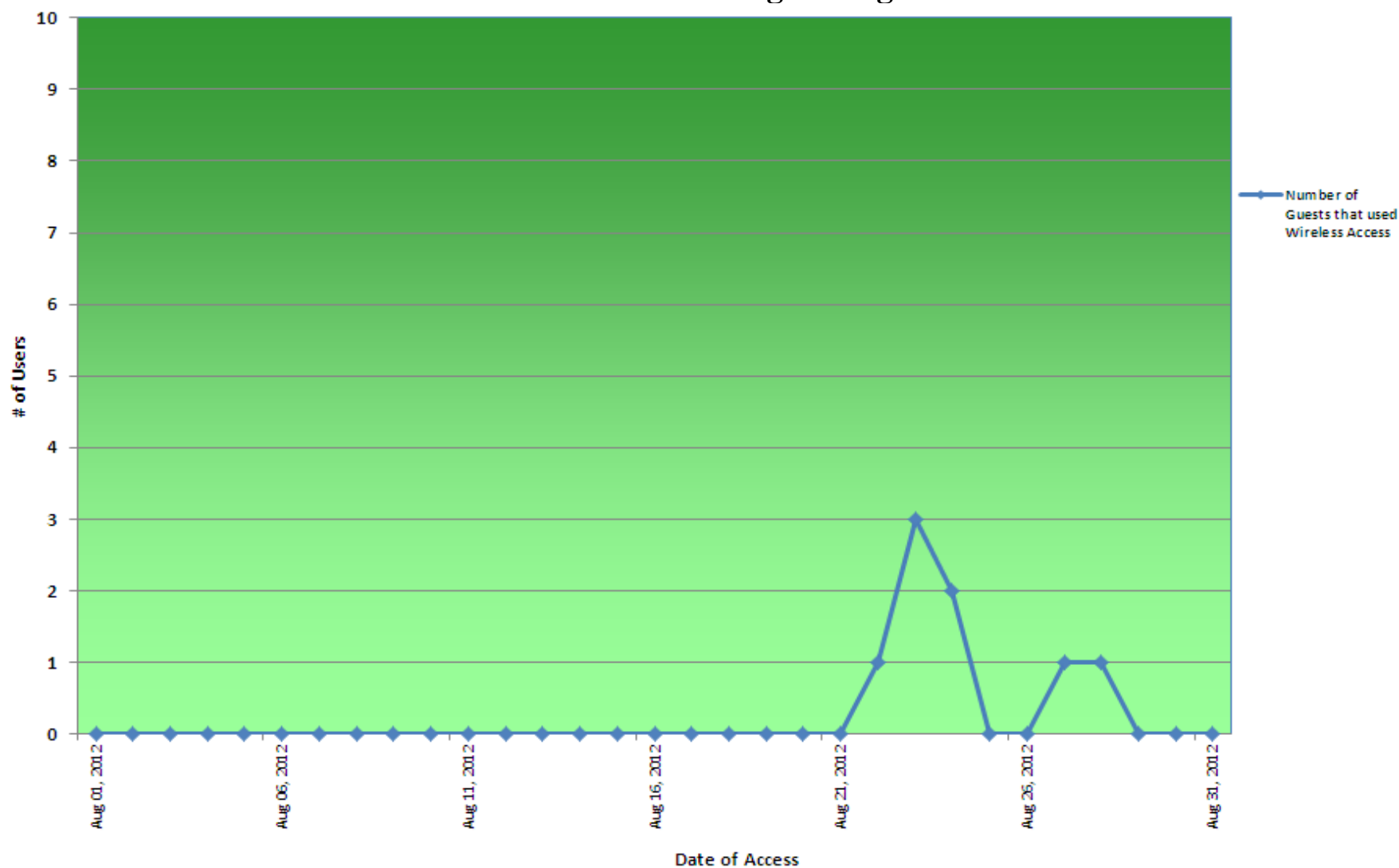


Summary: High level graphical view of Production Autosys Job failures for the month of August 2012.

Observation: There were no significant issues in the month of August in terms of Autosys job failures.

Recommendation: Not applicable

Guest Wireless Network Usage – August 2012



Summary: High level graphical view of guest users using the Wireless Network for the month of August 2012.

Observation: This was the first month of starting this new service to user for wireless access.

Recommendation: Not applicable

WebStore Availability – August 2012

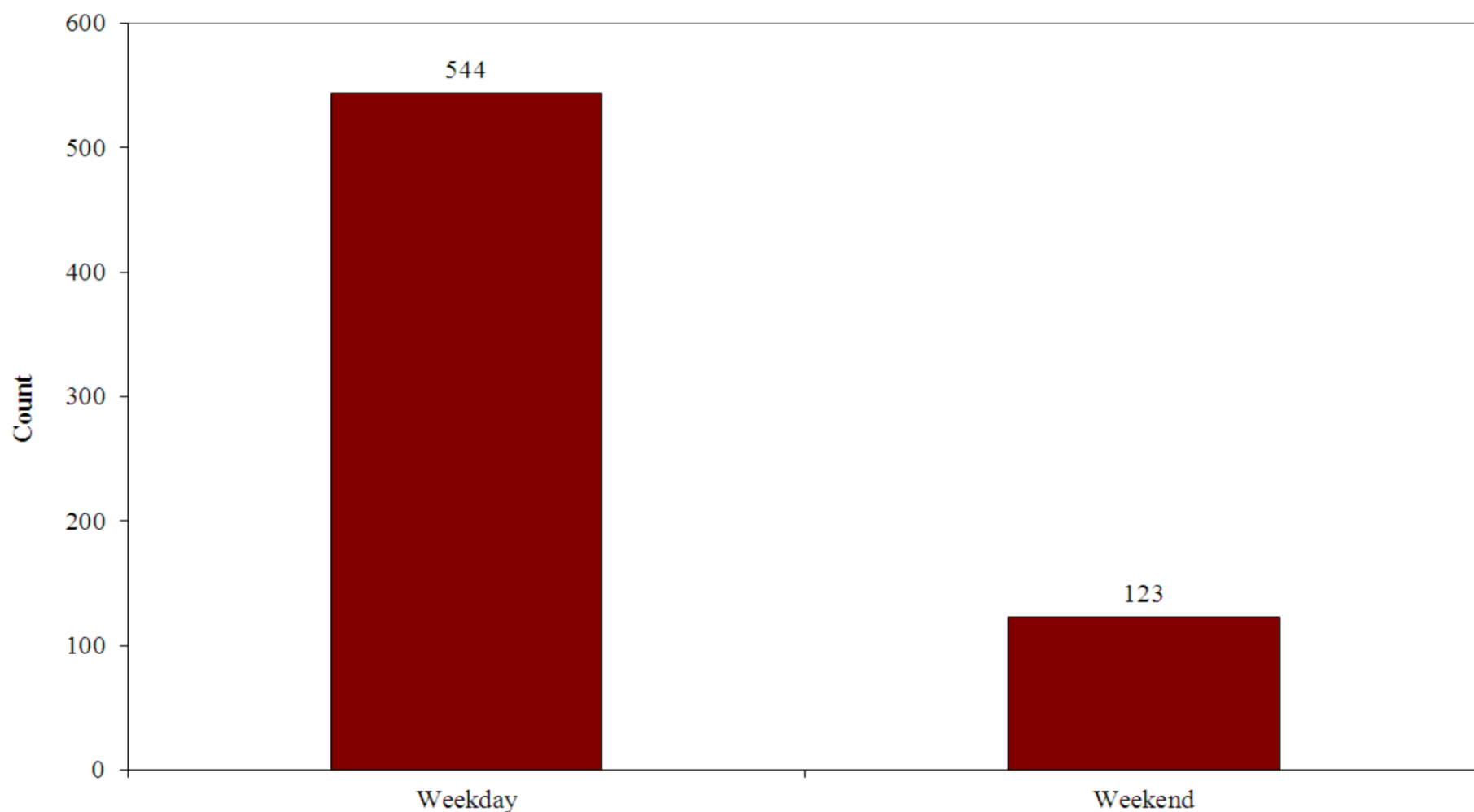


Summary: High level graphical view of Webstore's Availability through Orion access for the month of August 2012.

Observation: Webstore was down twice for the month of August. Please refer to BMC # 500102 and 500549 for further details.

Recommendation: Not applicable

Remote Access on Weekday vs. Weekend – August 2012



* Note: Weekends includes Stat holidays

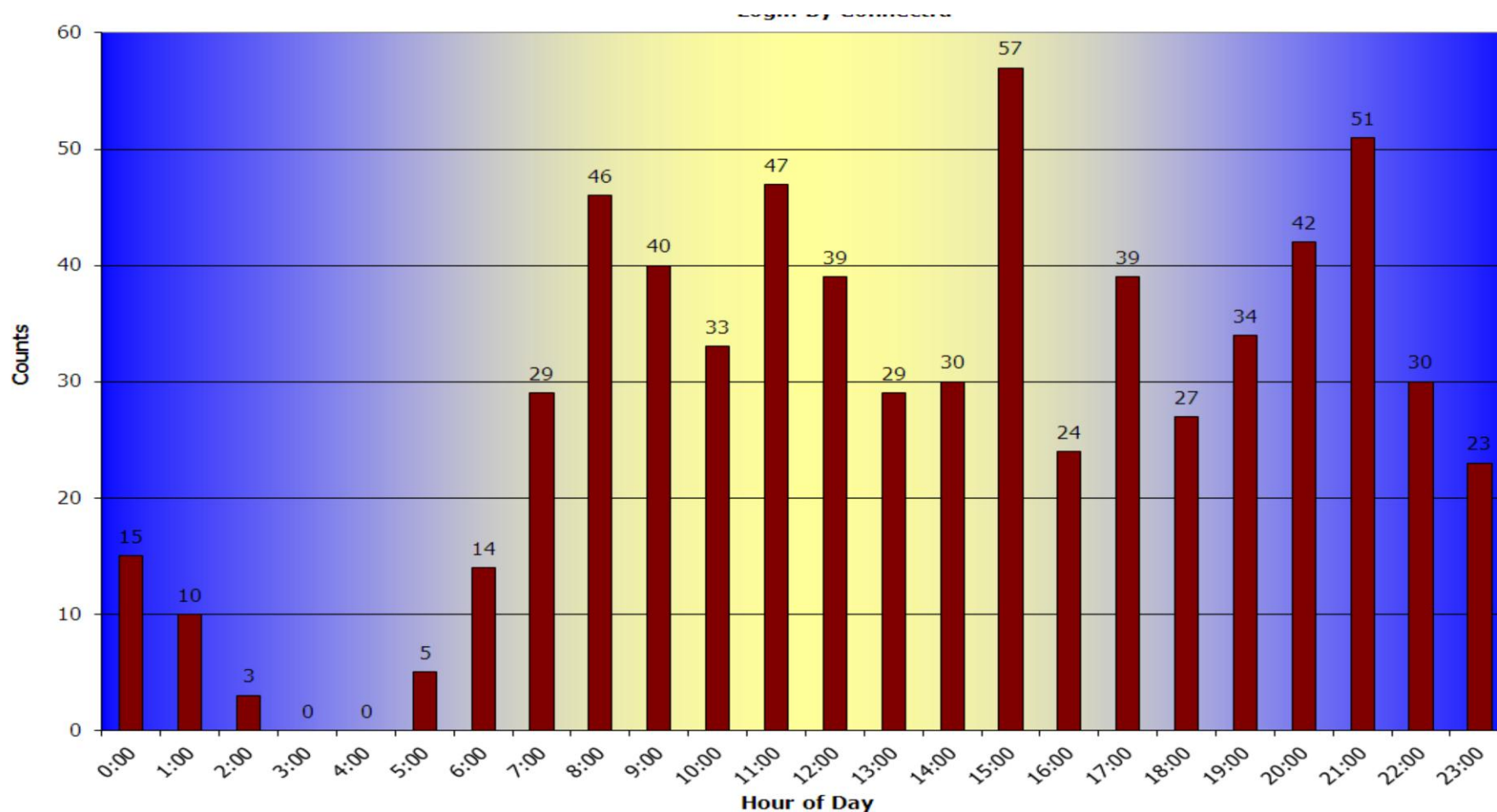
Summary: High level weekday and weekend graphical view of Users remotely accessing Head Office resources.

Observation: More people accessing Head Office resources during the Weekday versus Weekend in the month of August.

Recommendation: Not applicable

Remote Access by Hour of Day – August 2012

Login by Connectra



Summary:

High level graphical view of Users remotely accessing Head Office resources shown in hours of the day for the month of August 2012.

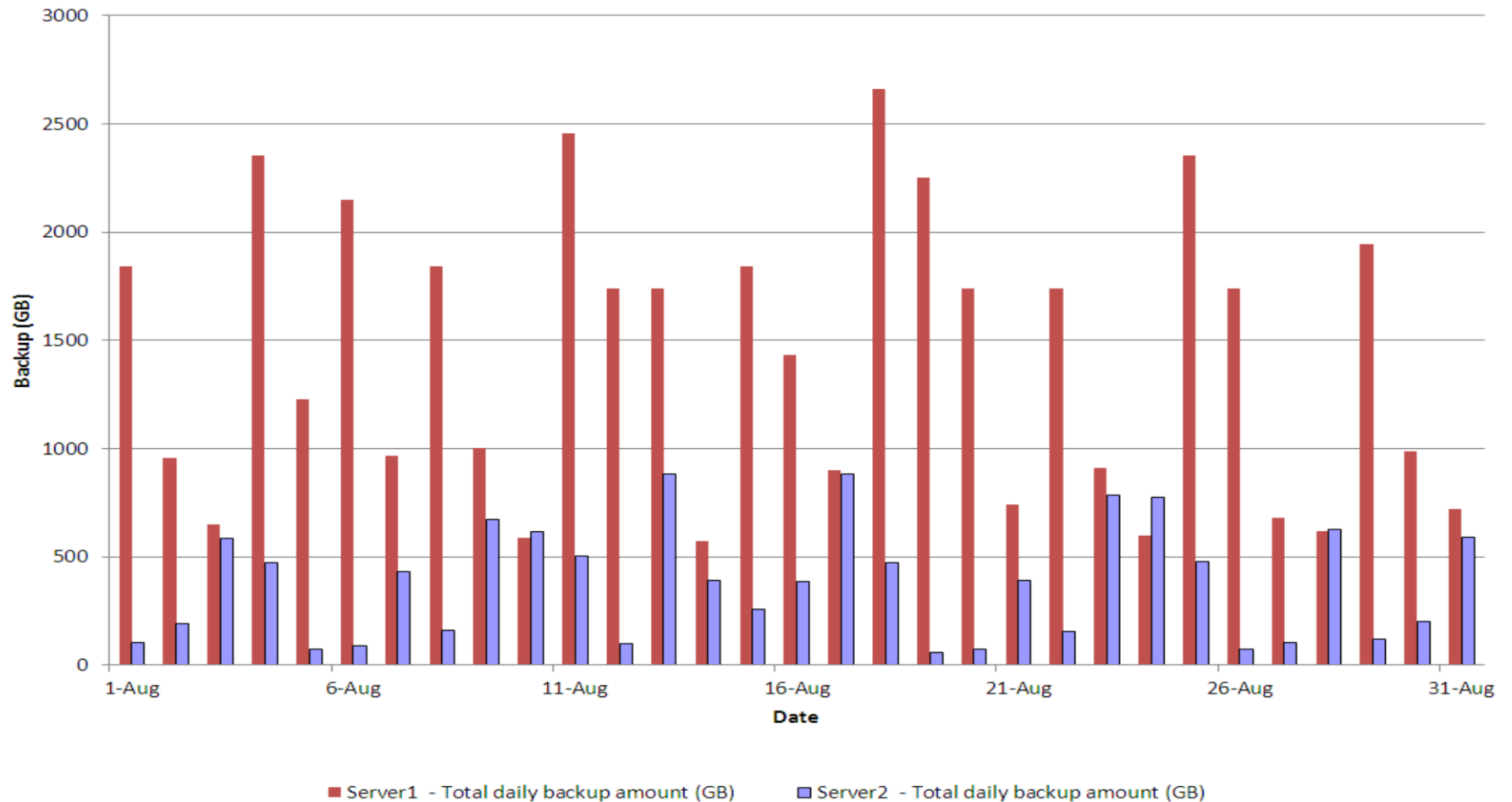
Observation:

More people accessing Head Office resources in the late evening (3pm – 10pm) versus in the morning (between 7am – 11am). *** Note: Currently capacity for concurrent users is 50.

Recommendation:

Not applicable

Total Daily Backup Amount (GB) – August 2012



Summary:

High level graphical view graphical view of TSM Daily Backup for the month of August.

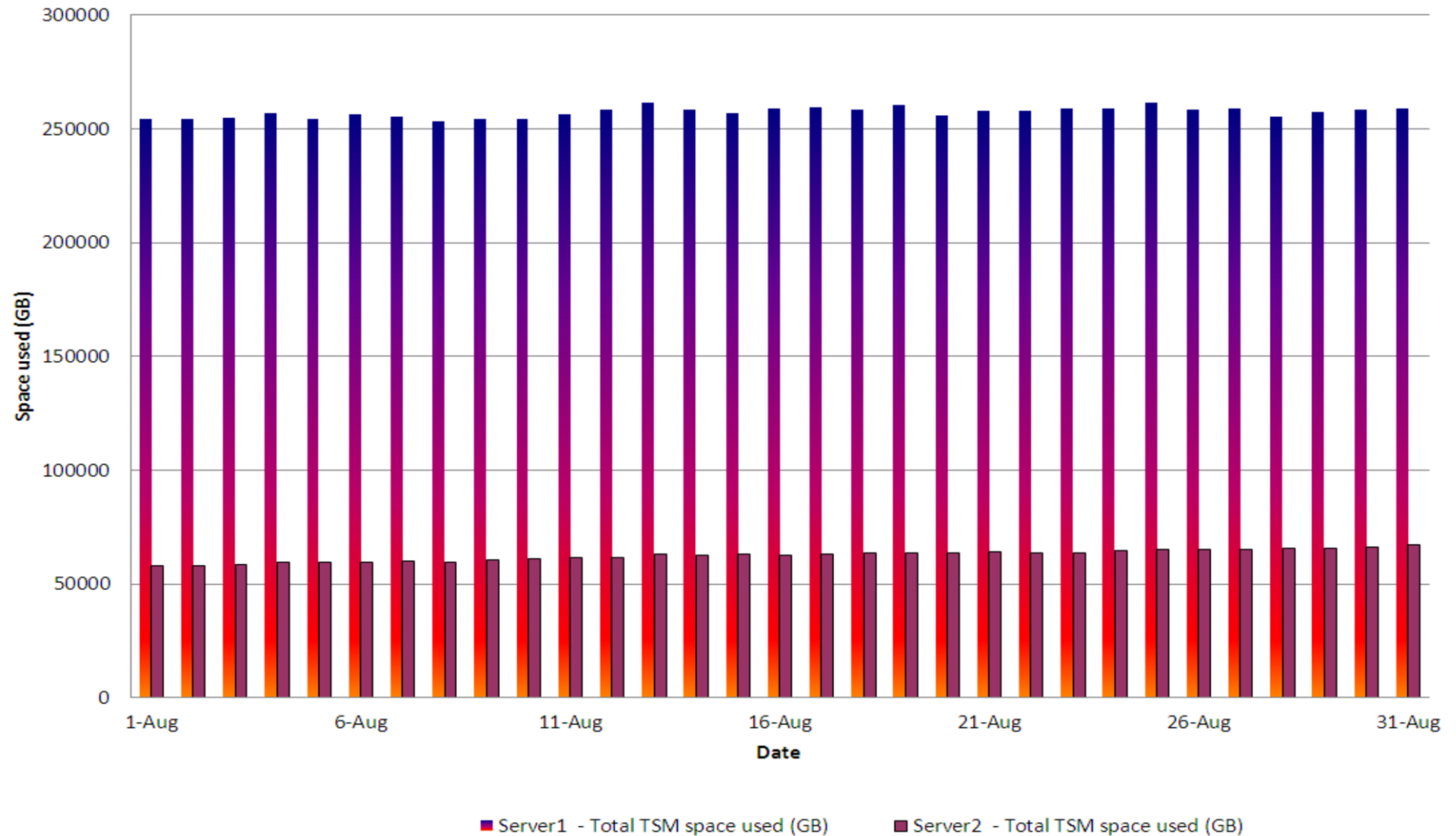
Observation:

August 18th – over 2.6TB of SAN storage data was backed up on TSM. 1.5TB of SAN storage as transitional data constantly increases/decreases as data is migrated to tape.

Recommendation:

Not applicable

Total TSM Space Used (GB) – August 2012



Summary:

High level graphical view of data stored on TSM per day for the month of August.

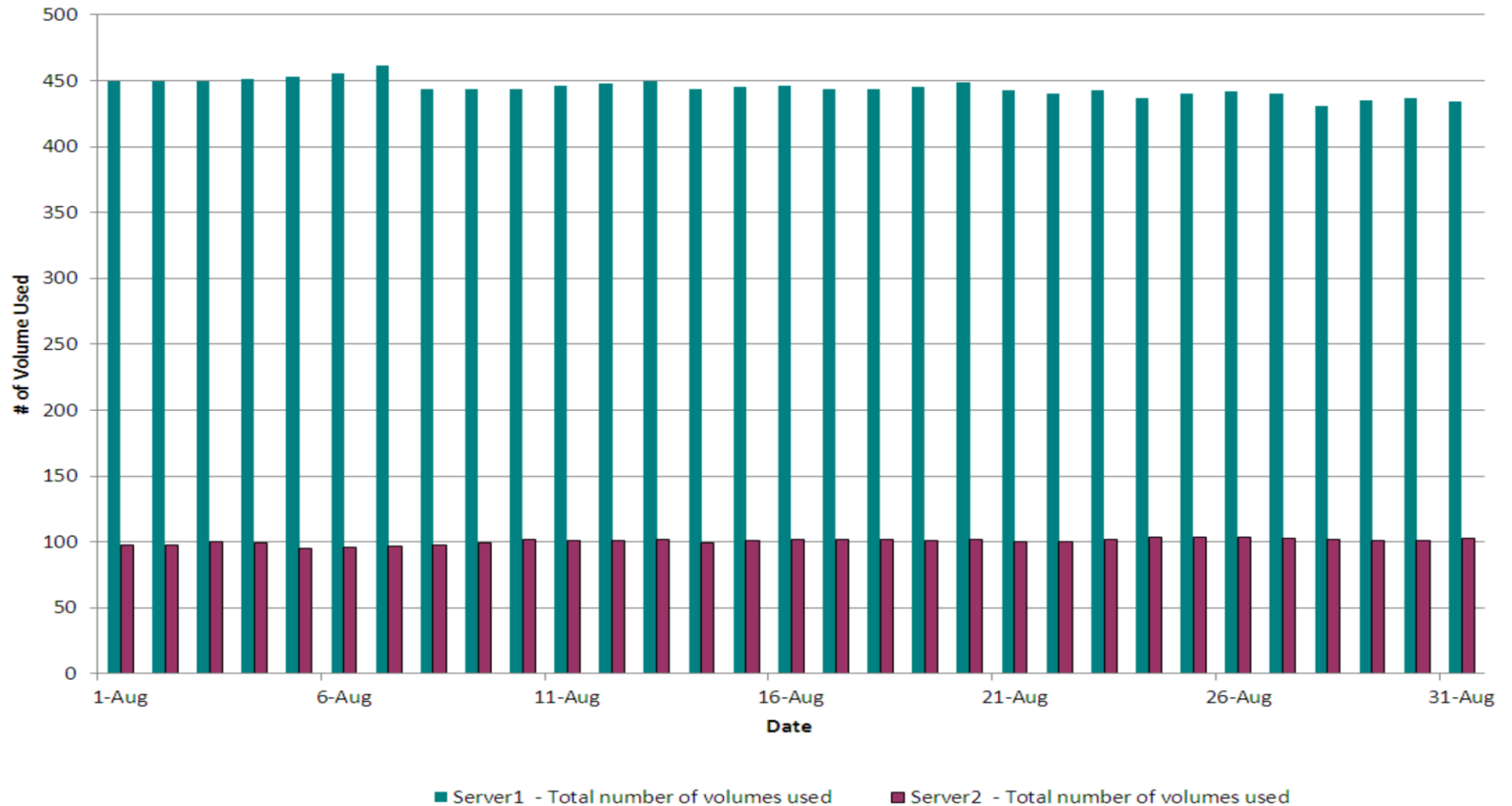
Observation:

Space used is relatively the same however as data of Oracle database has grown so is space required to be backed up.

Recommendation:

Not applicable

Total Number of Volumes Used – August 2012

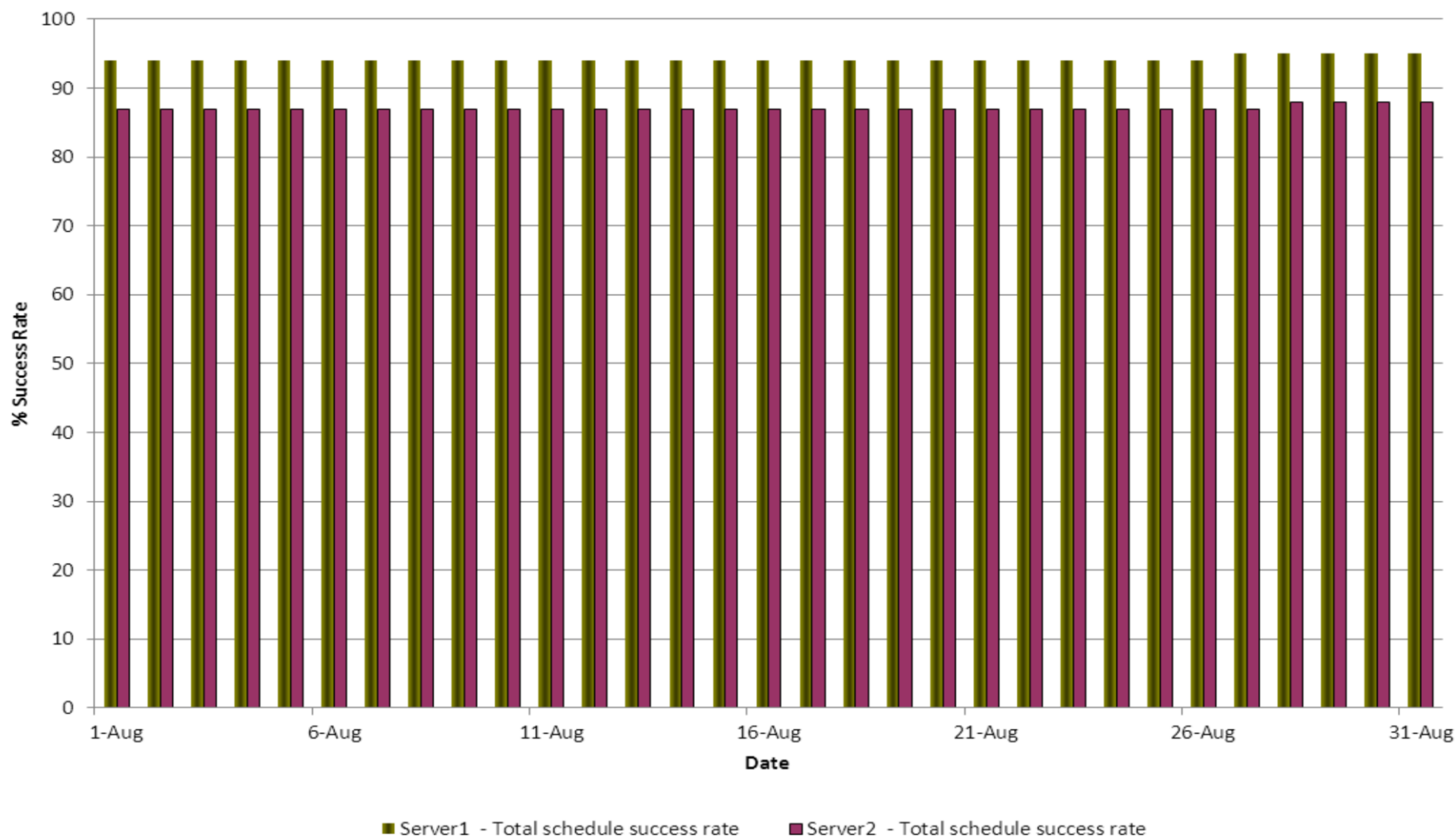


Summary: High level graphical view of TSM using the number of volumes in a day for the month of August.

Observation: Each LTO4 tape holds 1.5TB. The library has 253 tape slots and 221 of them are in use. Vault capacity is infinite as we continue to order tapes as required.

Recommendation: Not applicable

Total Schedule Success Rate – August 2012



Summary:

High level graphical view of TSM being successful in completing the backups on a daily basis for the month of August.

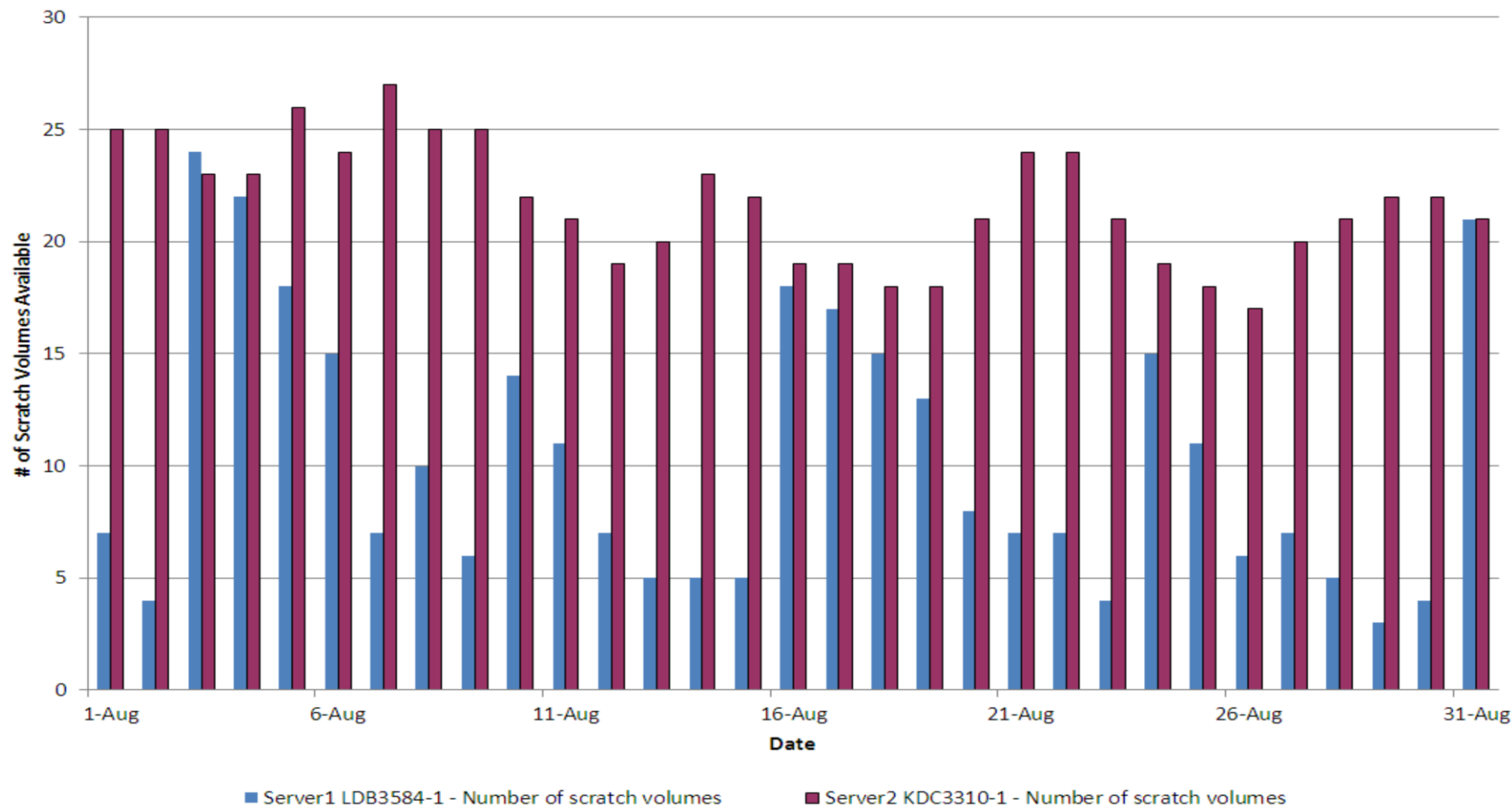
Observation:

Continuing to work on the known client failures that are having problems.

Recommendation:

Not applicable

Number of Total Scratch Volumes (available for use) – August 2012



Summary:

High level graphical view of TSM being successful in completing the backups on a daily basis for the month of August.

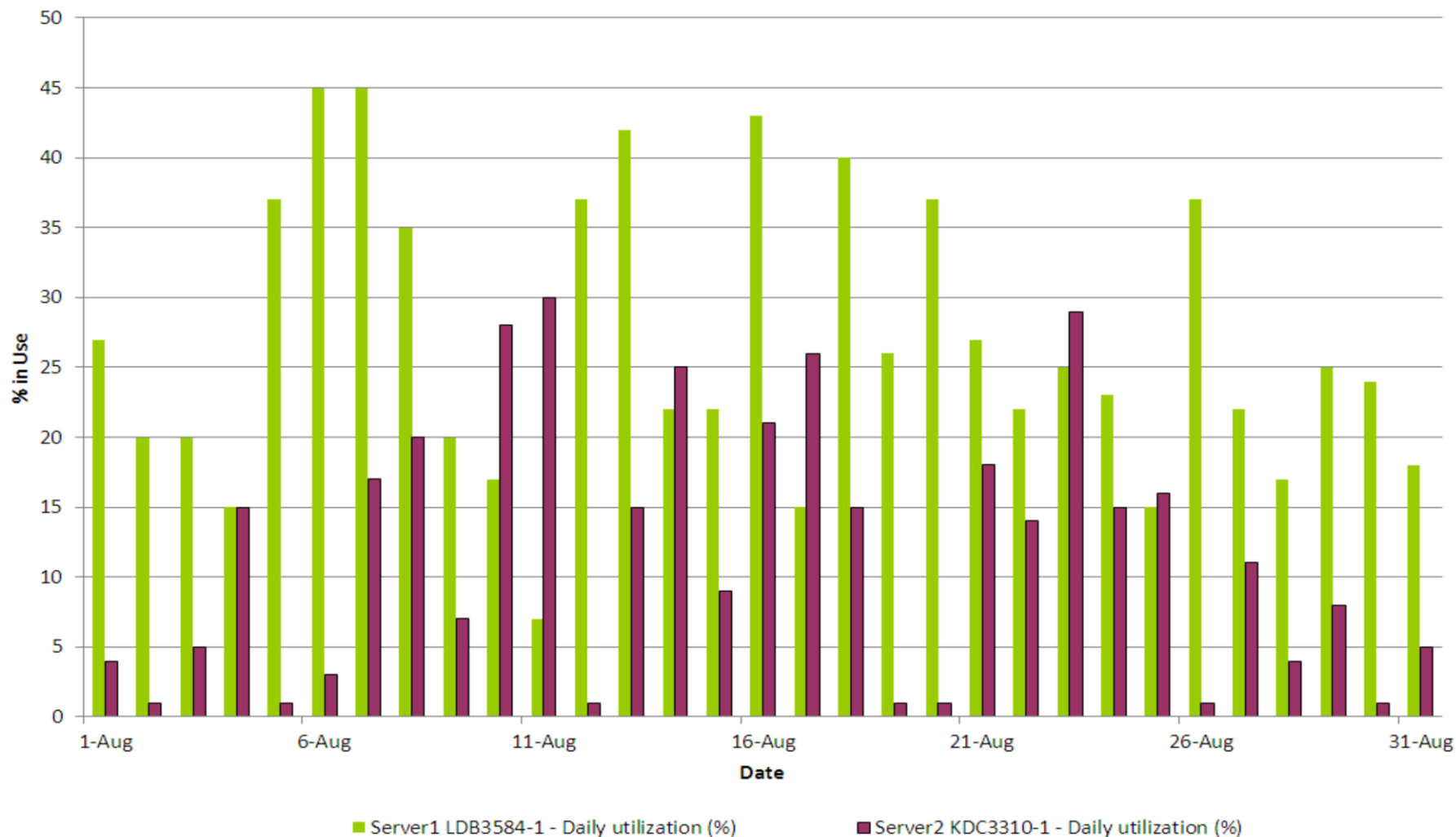
Observation:

Each Weekend number of scratched tapes becomes available due to data being deleted by DBA's, data expiring or utilizing new tapes. (Note: data deleted by DBA's for Oracle databases backups on regular basis which are older than 40 days or expires).

Recommendation:

Not applicable

Daily TSM Utilization (%) – August 2012



Summary:

High level graphical view of TSM Tapes being mounted each day for the month of August.

Observation:

TSM is highly utilized on the weekends. TSM for VDC is more utilized for daily backups versus TSM for KDC.

Recommendation:

Not applicable

End Of Data Centre Chart Analysis

August 2012

