

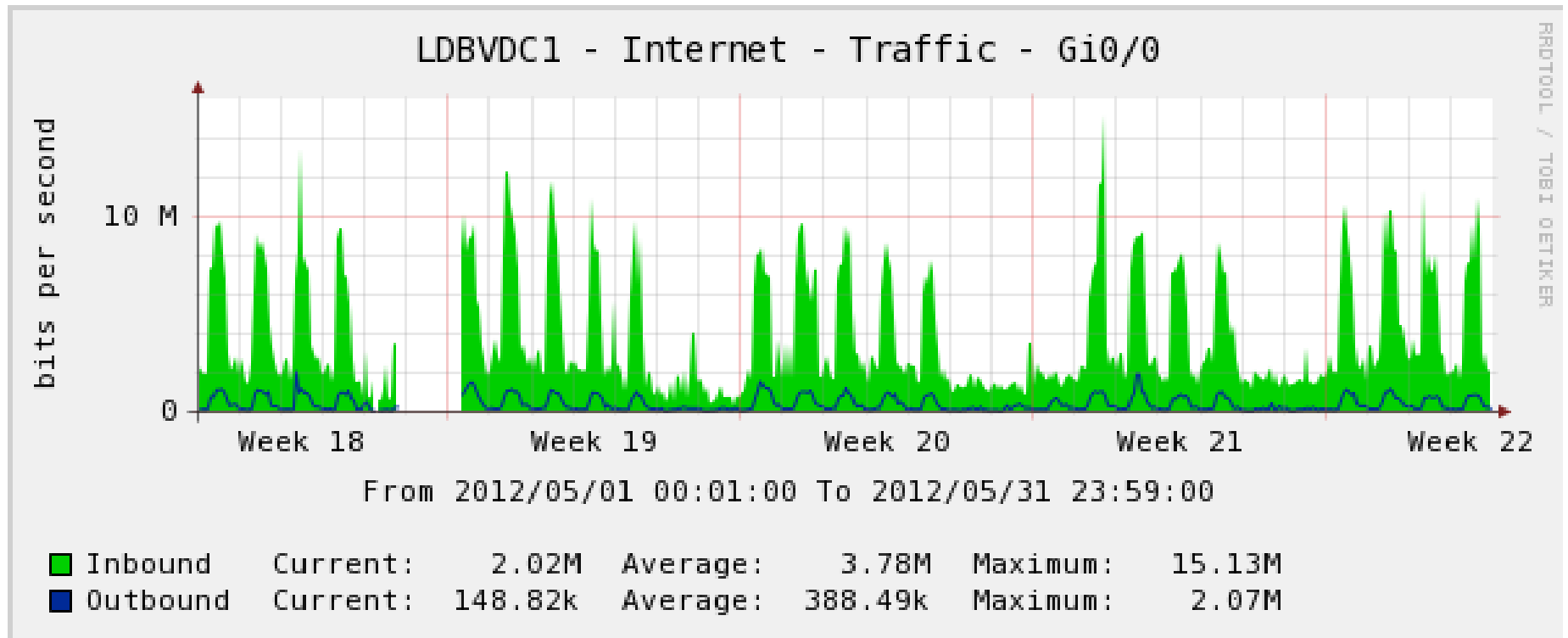
Data Centre Chart Analysis

May 2012



Monthly VDC Bandwidth Graphs – May 2012

Internet Bandwidth – VDC



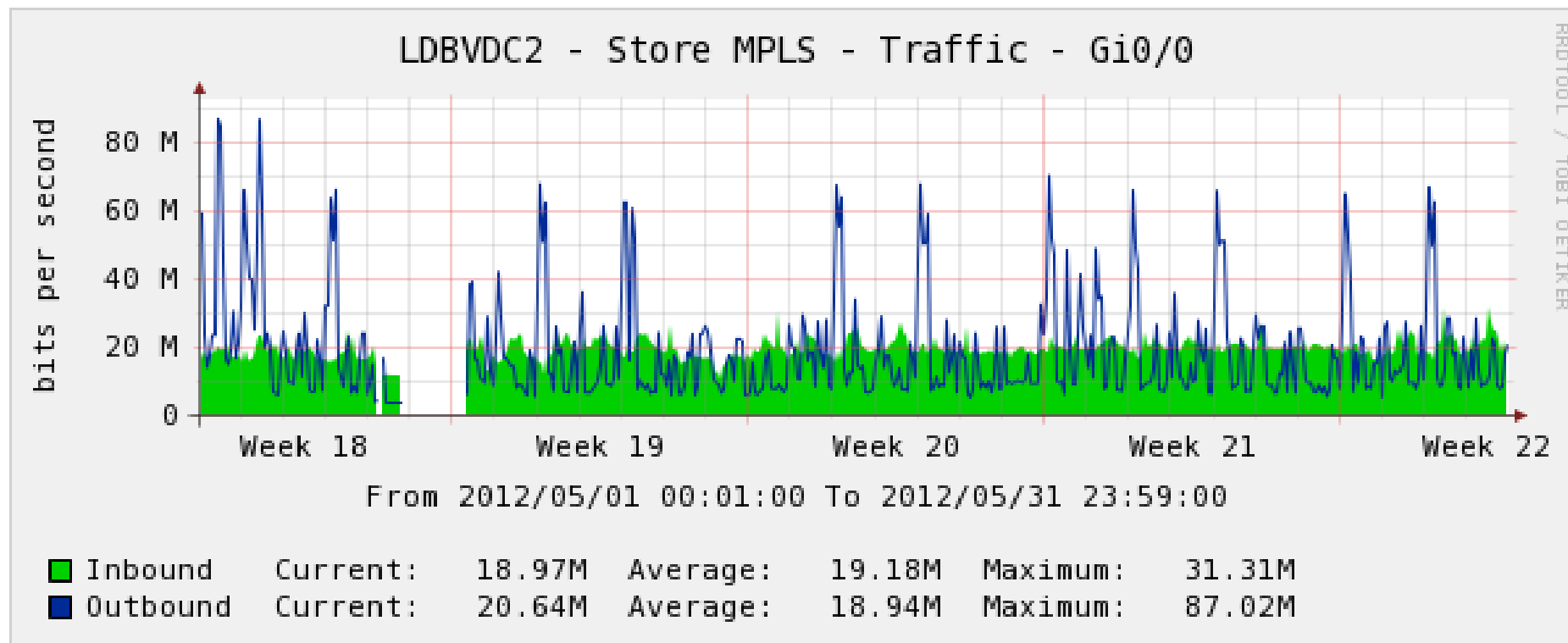
Summary: Graphical view of traffic going through Head Office to the Internet. The maximum traffic allowed is 20Mbs.

Observation: During HO core hours (8:00 to 4:30), Internet link is highly utilized and sustained at 40% of the available bandwidth. Occasionally the bandwidth has reached more than 10 MB/ second.

Recommendation: N/A

Monthly VDC Bandwidth Graphs – May 2012

Bandwidth between HO and Stores



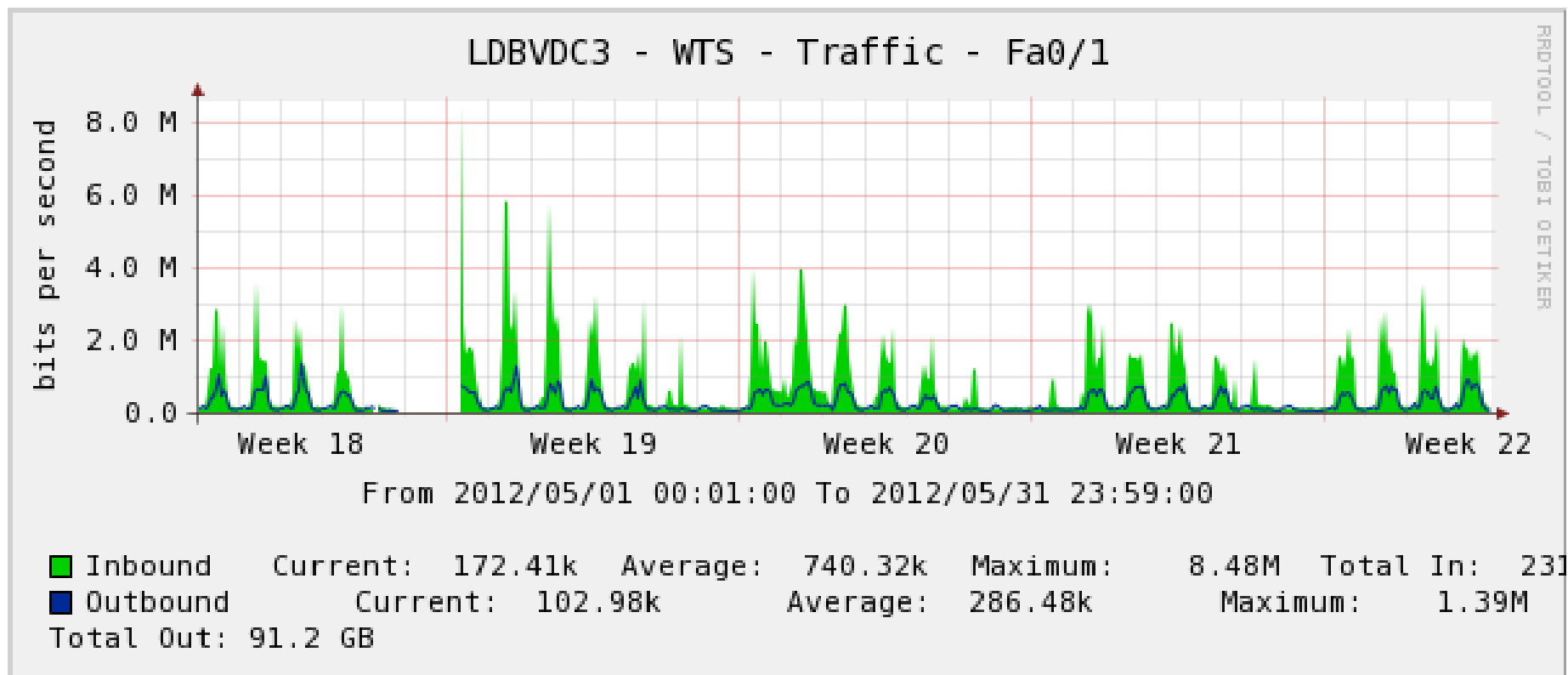
Summary: Graphical view of traffic going through Stores to Head Office via Internet.

Observation: The inbound traffic, Store's to Head Office is minimal.

Recommendation: N/A

Monthly VDC Bandwidth Graphs – May 2012

Bandwidth used for Email, DNS and any Government websites



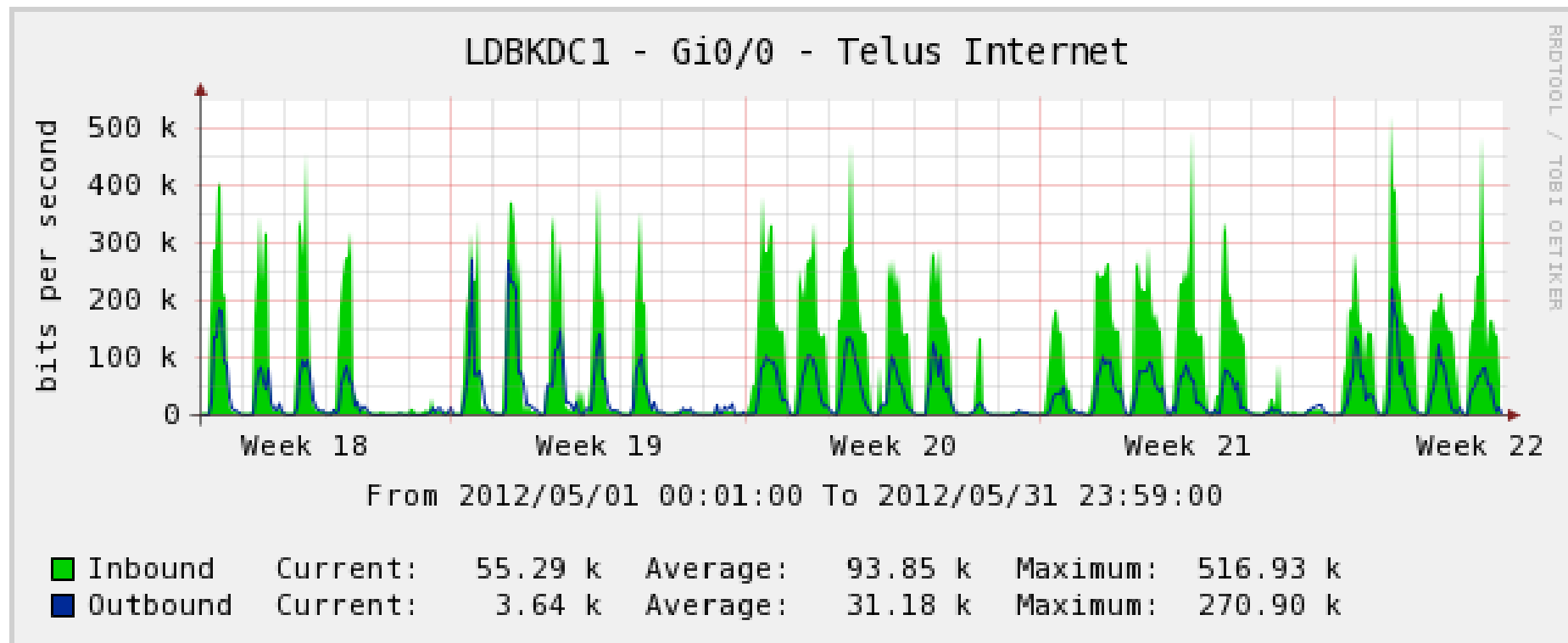
Summary: Graphical view of traffic going through WTS to Head Office via Internet.

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

Recommendation: N/A

Monthly KDC Bandwidth Graphs – May 2012

Internet Bandwidth – KDC



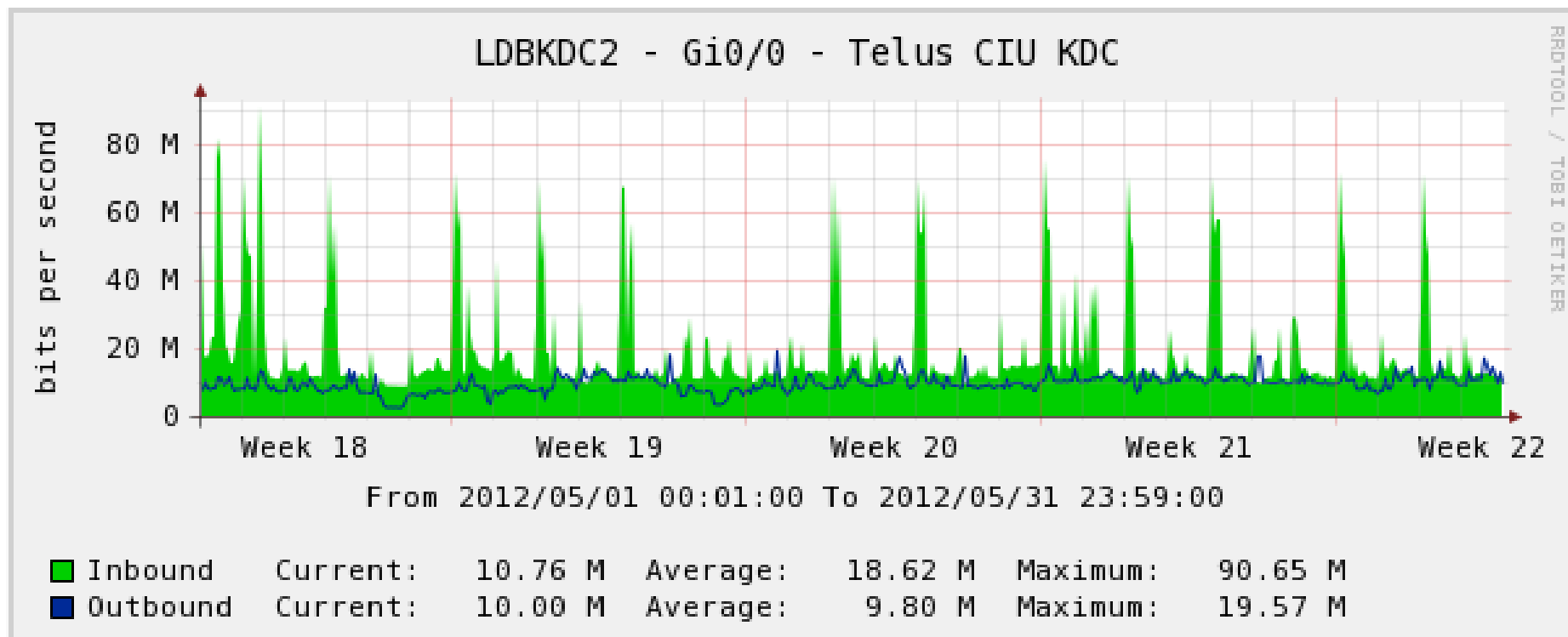
Summary: Graphical view of traffic going through KDC to the Internet.

Observation: Minimal use

Recommendation: N/A

Monthly KDC Bandwidth Graphs – May 2012

Bandwidth between KDC and Stores



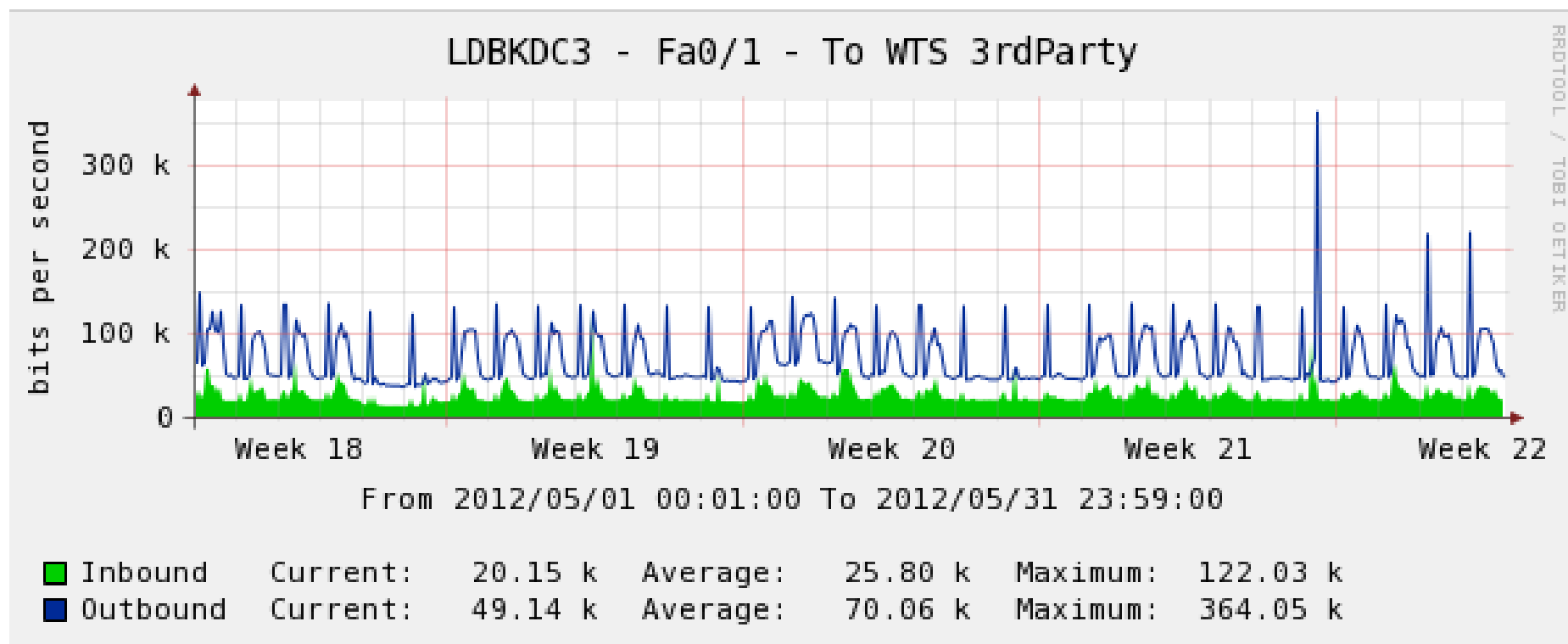
Summary: Graphical view of traffic going through Stores to KDC via Internet.

Observation: Peaks of traffic at the beginning of the same as VDC2 (See above write-up for LDBVDC2).

Recommendation: N/A

Monthly KDC Bandwidth Graphs – May 2012

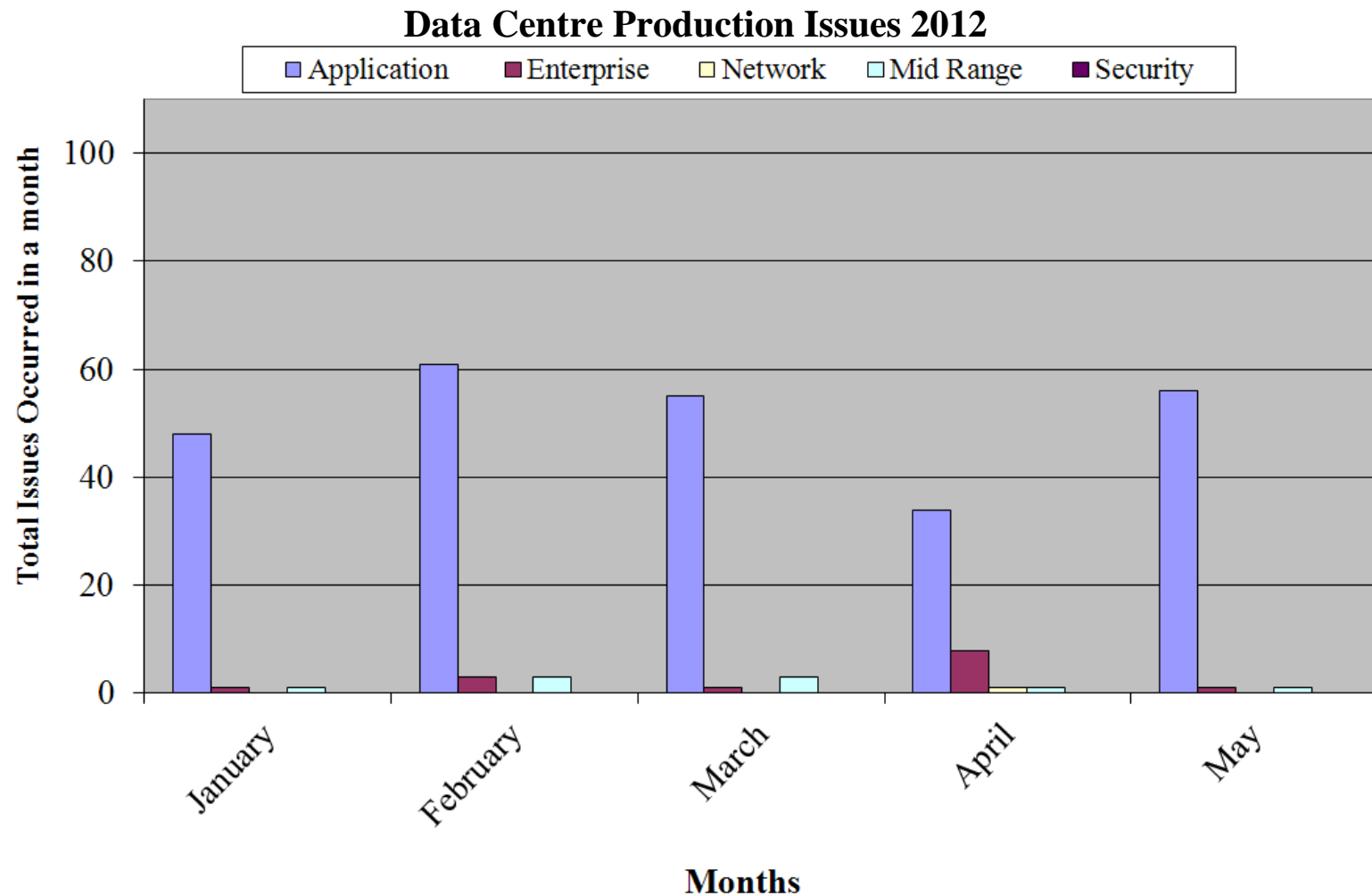
Bandwidth used for Email, DNS, and KDC via WTS



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

Observation: Minimal use

Recommendation: N/A

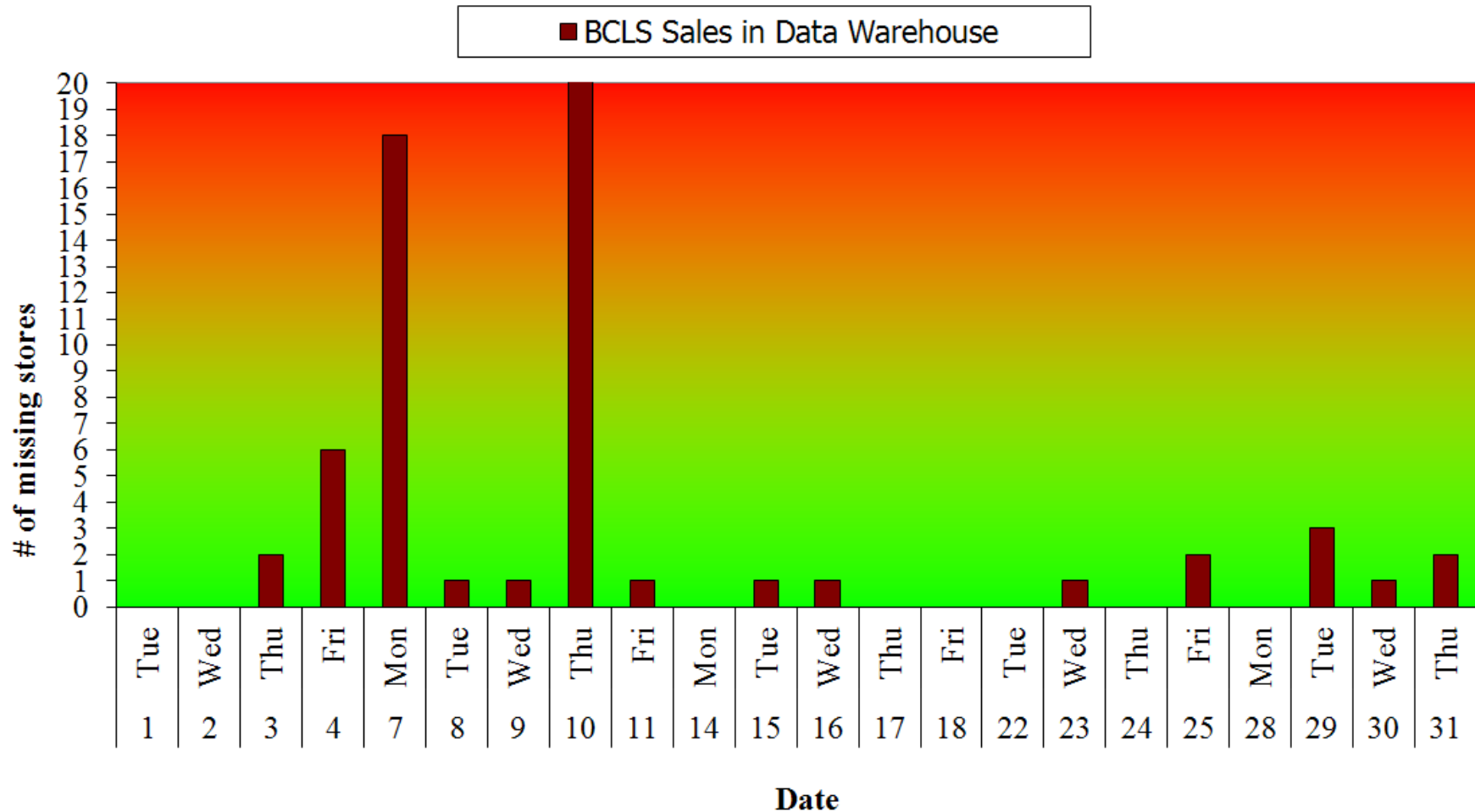


Summary: High level graphical view of monthly production issues from January 2012 to May 2012. Input comes from Operations daily status report.

Observation: Majority are application issues of which 50% are Autosys jobs and 38% are run away process (see BMC tickets for more information) for the month of May.

Recommendation: N/A

Sales – Finance Data Availability - May 2012

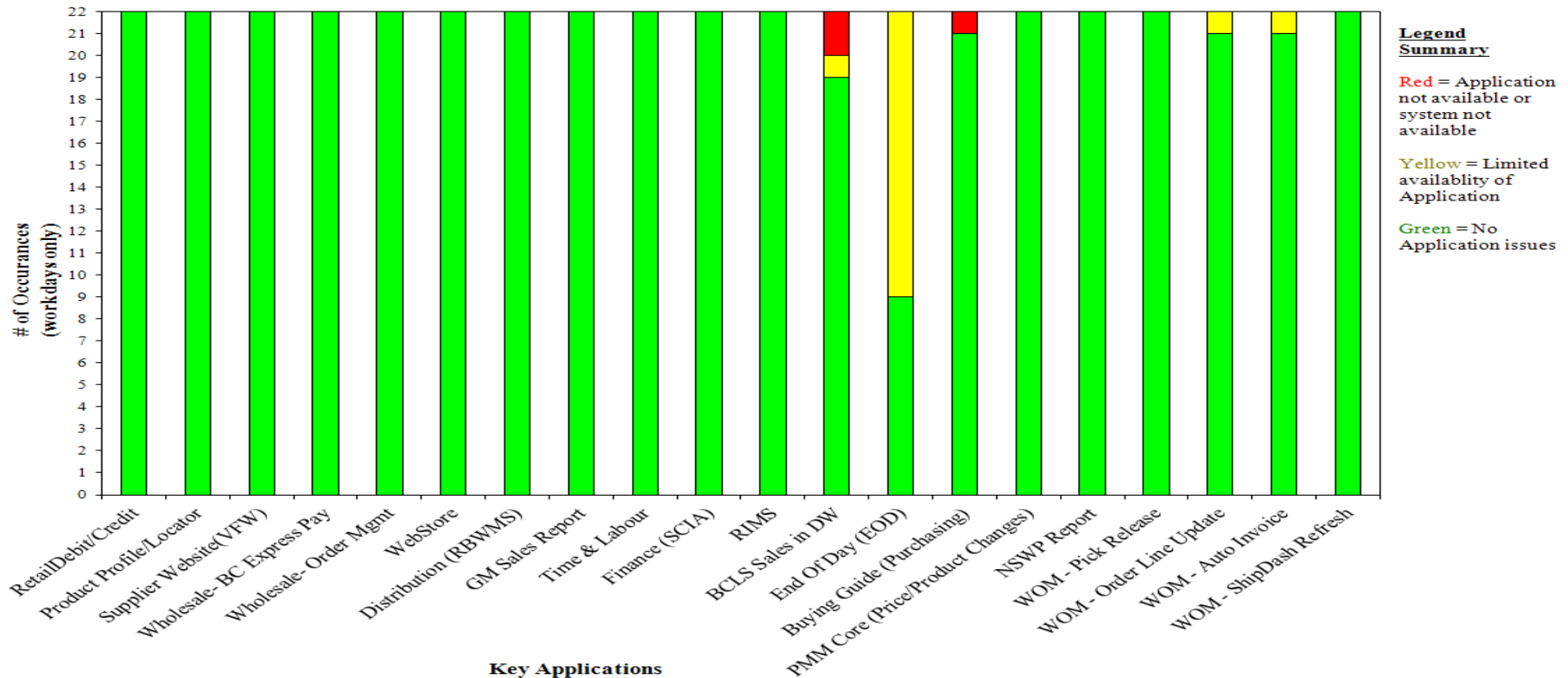


Summary: Graphical view of transmitted BCLS Stores Financial Sales Data to Head Office in Data Warehouse.

Observation: May 7th – BMC # 480165 and 480161 – There were issues with two Data Warehouse Autosys jobs, one of them had duplication of rows in a table.
 May 10th – Data Warehouse had Autosys jobs failed in relation to Sales Reporting. Please refer to BMC # 486865, 480655 and 480656 for details.

Recommendation: N/A

Daily Availability of Business Application – May 2012

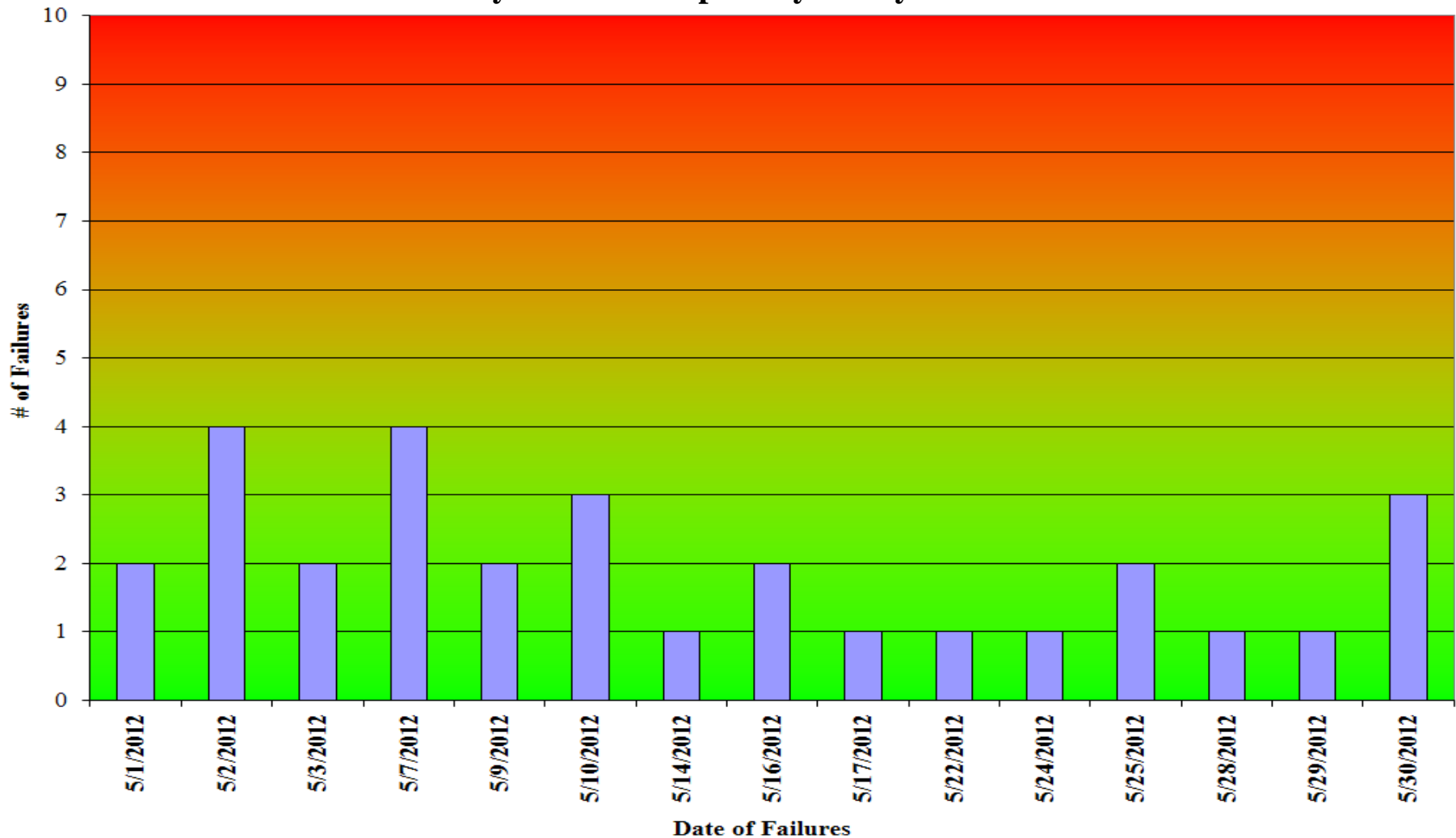


Summary: High level graphical view of Business Applications availability.

Observation: BCLS Sales in DW and Buying guide was the only major issues for the month of May. Both them occurred because of Autosys job related issues. Please refer for further details to BMC # 480165, 480161, 486865, 480655 and 480656 for BCLS Sales in DW . The Buying Guide was due to one of the Purchasing Dept Autosys job failure, please refer to BMC # 480188 for details.

Recommendation: N/A

Autosys Jobs failed per day – May 2012

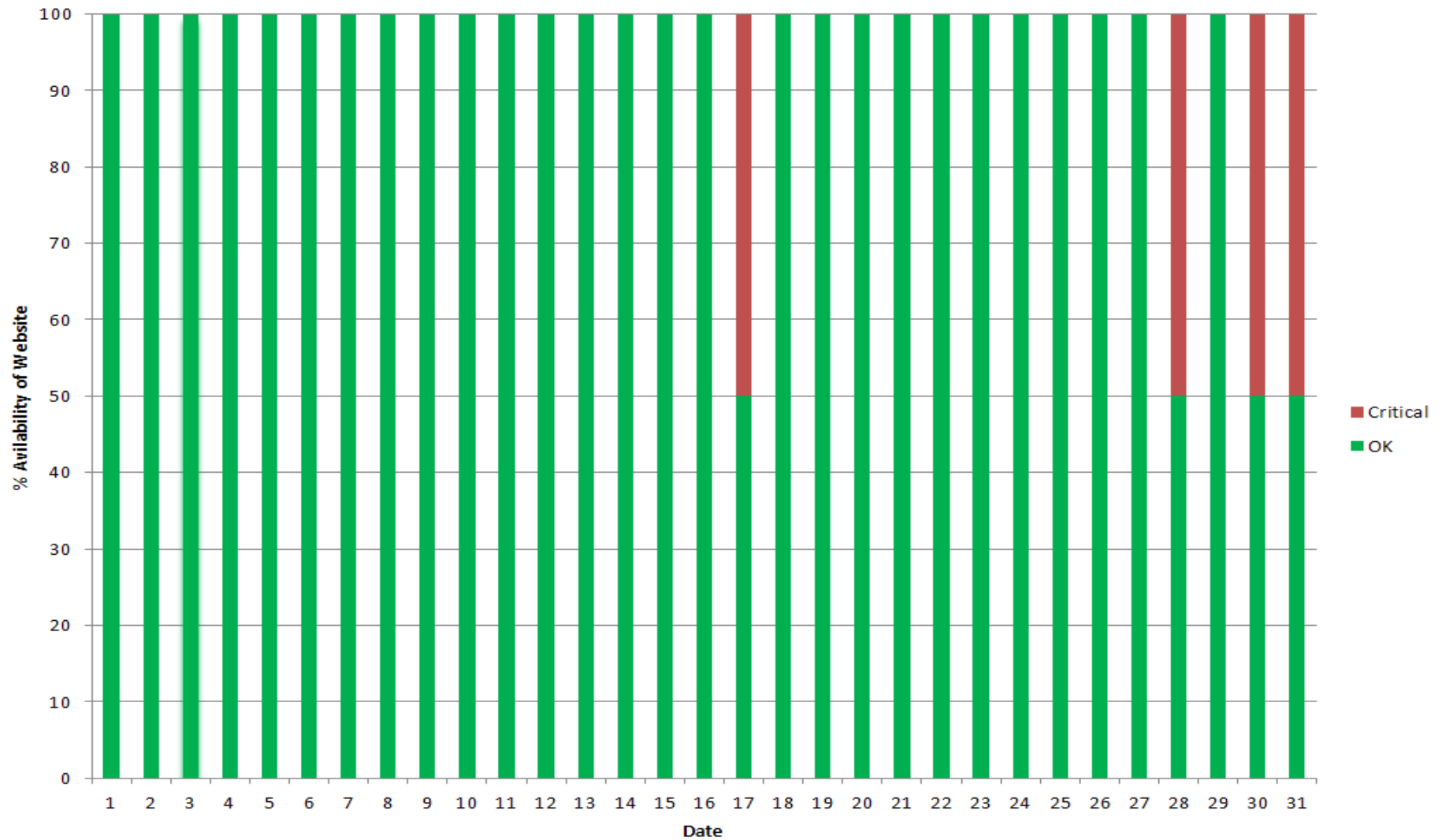


Summary: High level graphical view of Production Autosys Job failures for the month of May 2012.

Observation: There was no major Autosys job failure or outage that occurred in a single day for the month of May.

Recommendation: N/A

WebStore Availability – May 2012

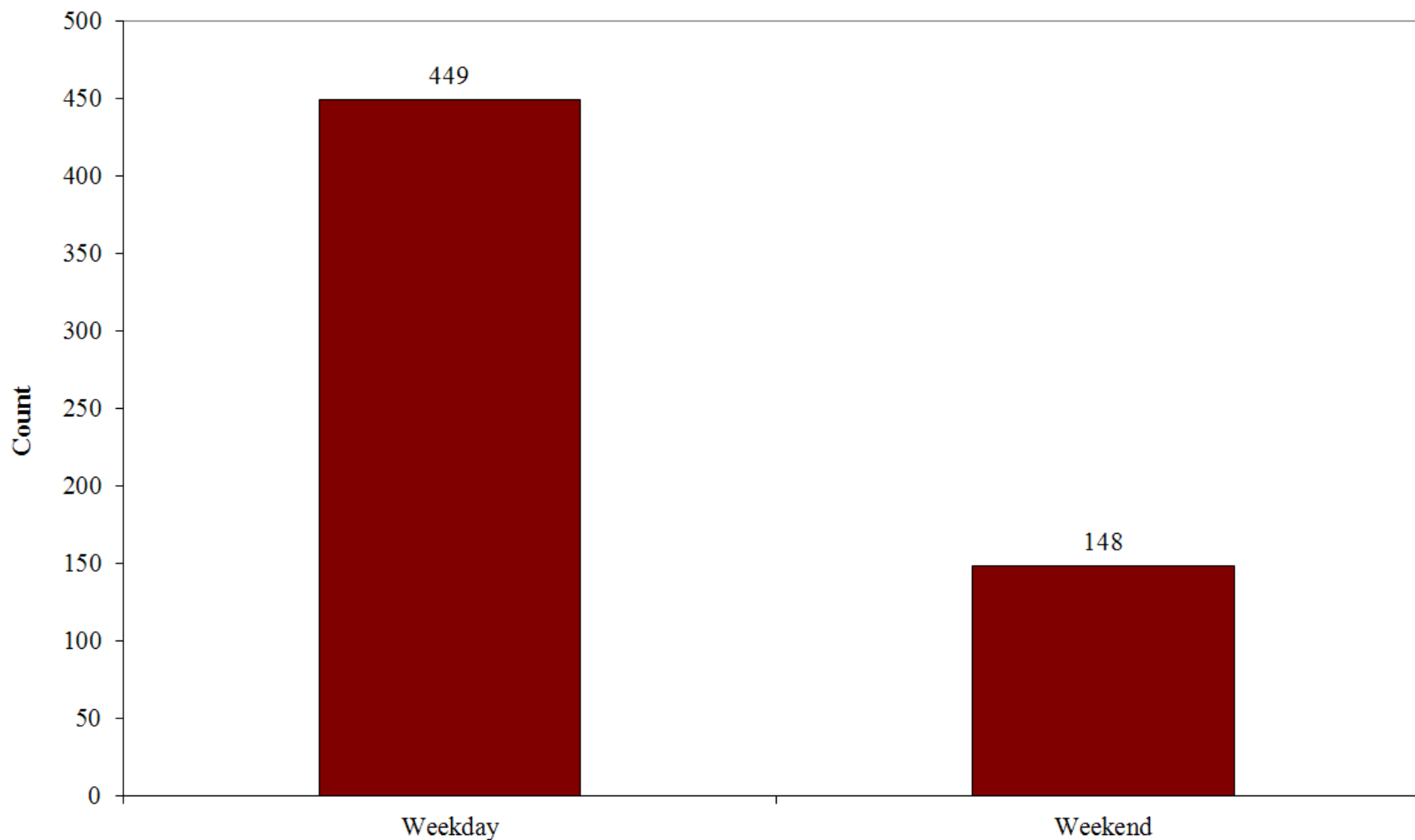


Summary: High level graphical view of Webstore's Availability through Orion access for the month of May 2012.

Observation: Webstore was down three times for the month of May. Please refer to BMC # 482209, 483593, 484044 and 484250 for details. The main cause or issue was problems with BCIED authentication (Victoria).

Recommendation: N/A

Remote Access on Weekday vs. Weekend – May 2012



Note: Weekends includes Stat holidays

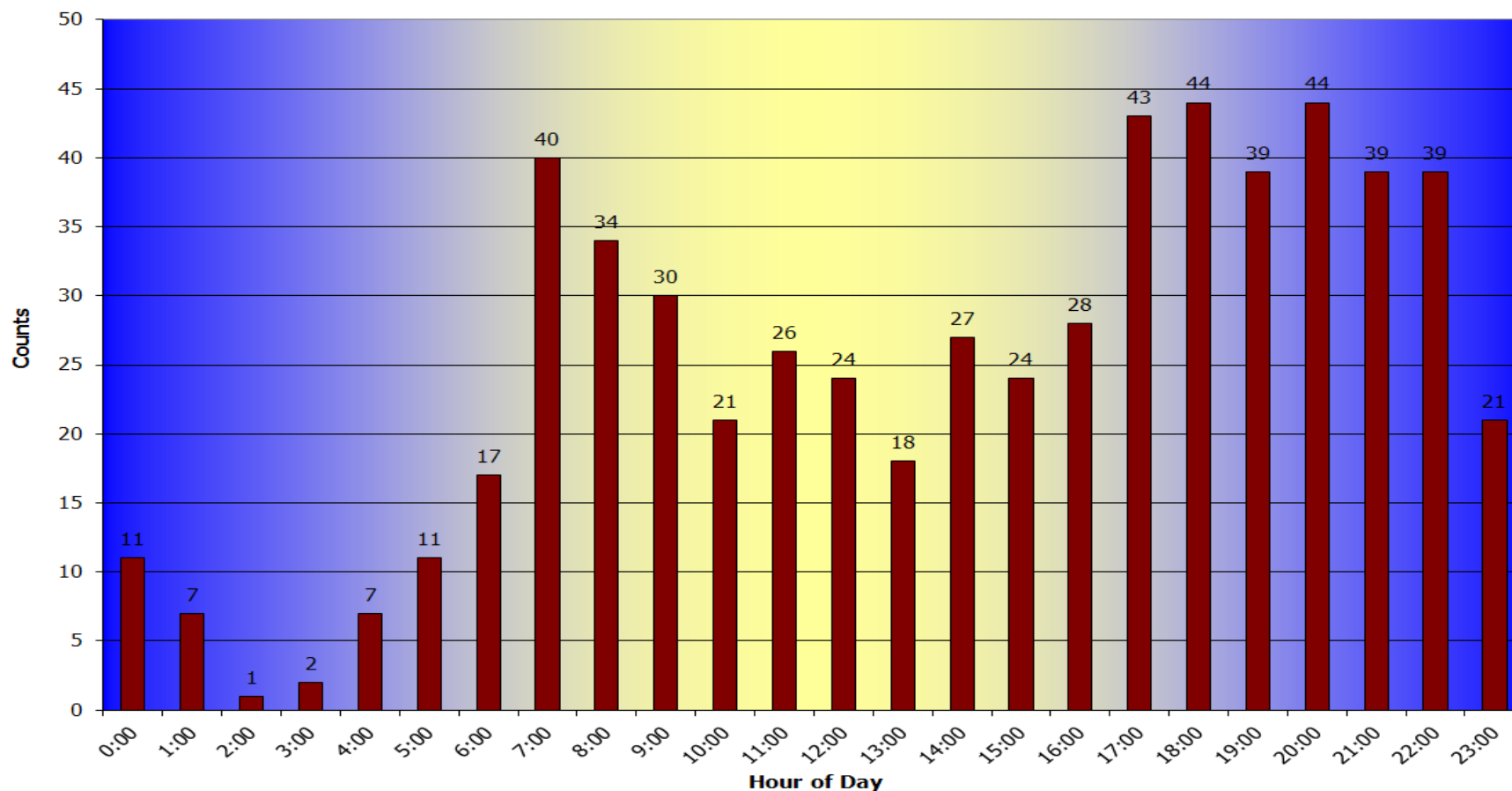
Summary: High level weekday and weekend graphical view of Users remotely accessing Head Office resources.

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

Recommendation: N/A

Remote Access by Hour of Day – April 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 May 2012.

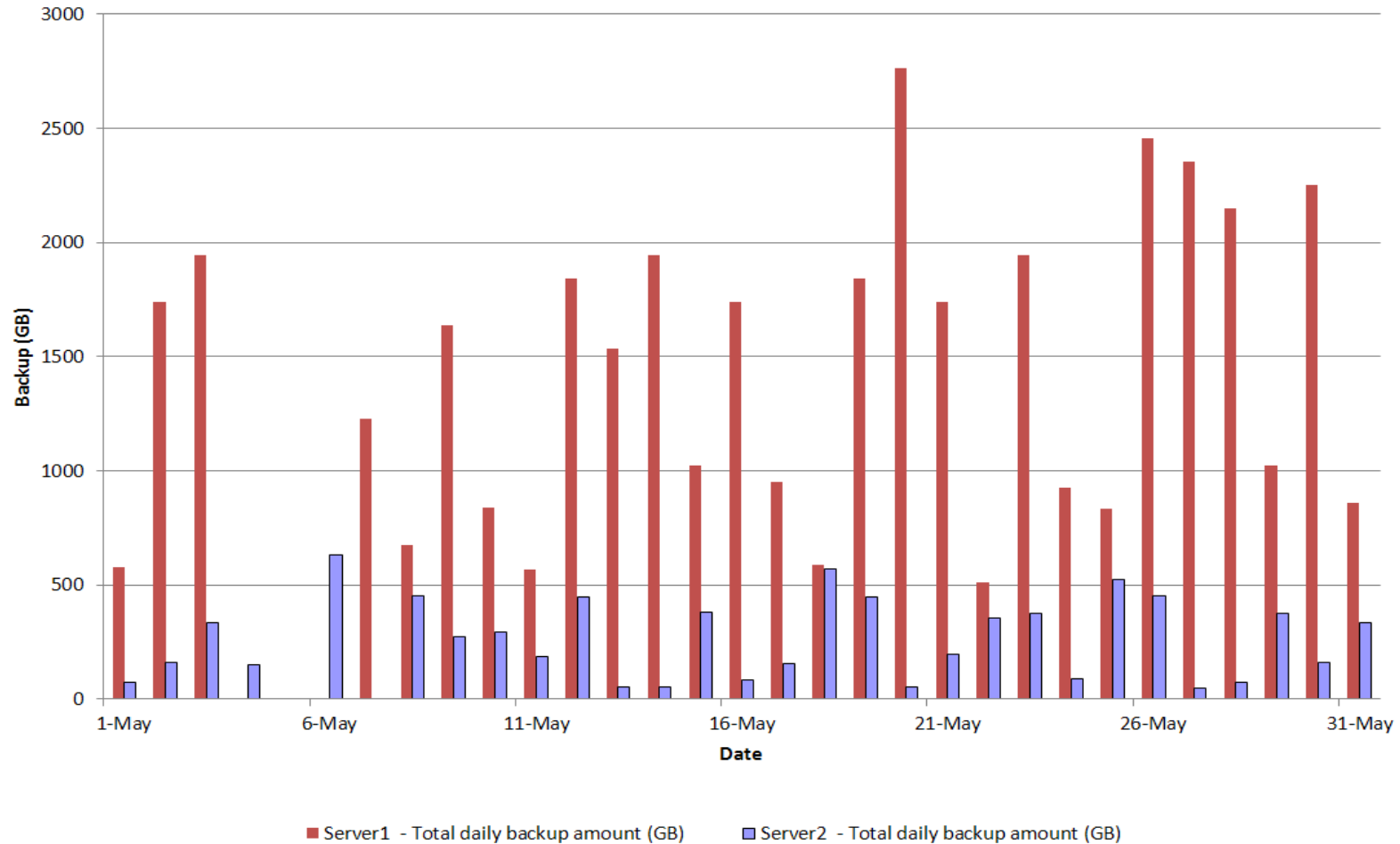
Observation:

More people accessing Head Office resources in the morning (between 7am – 9am) and again in the afternoon thru to the late evening (5pm – 10pm). *** Note: Currently capacity for concurrent users is 50.

Recommendation:

N/A

Total Daily Backup Amount (GB) – May 2012

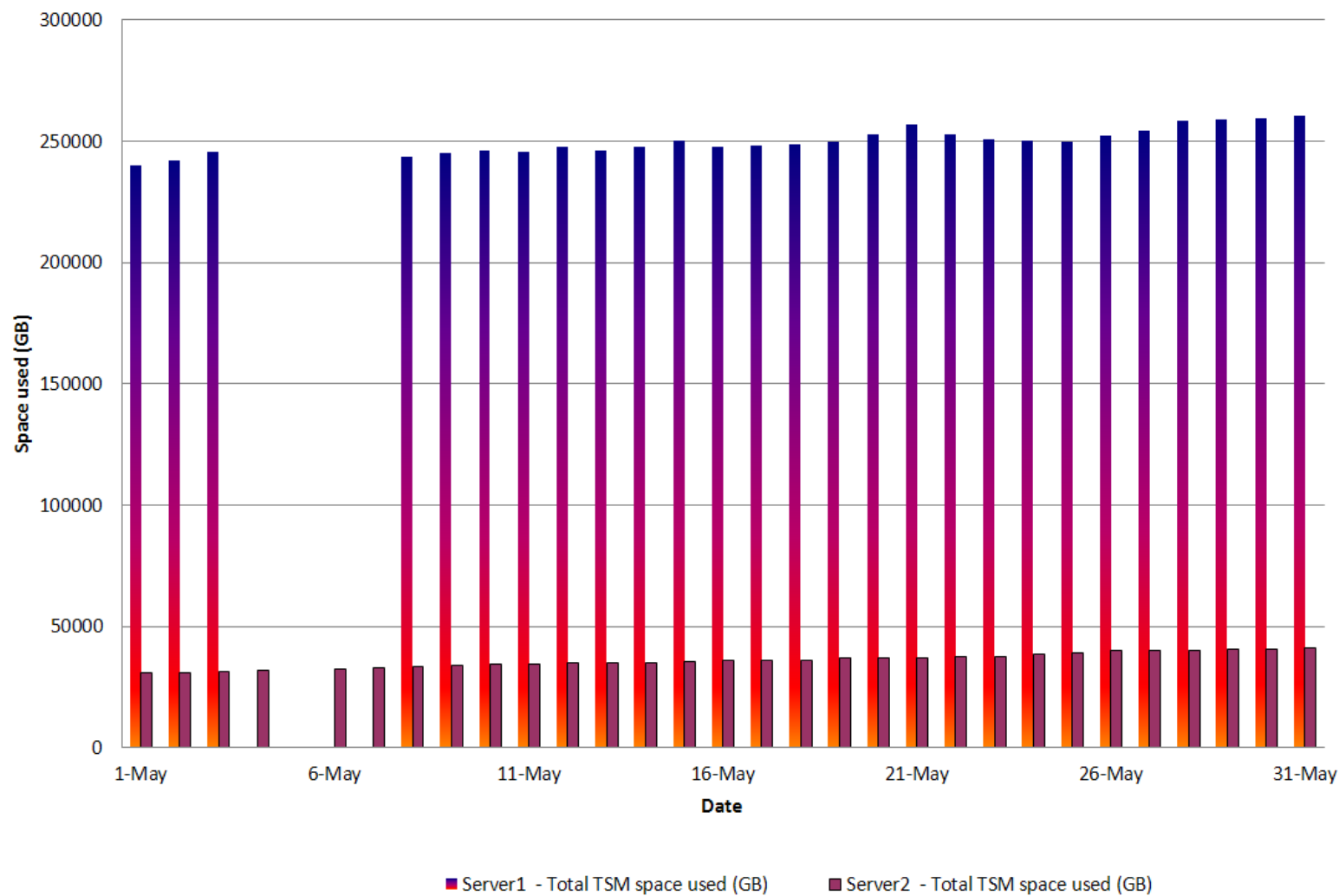


Summary: High level graphical view graphical view of TSM Daily Backup for the month of May.

Observation: May 20th – 2.7TB 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) – May 2012



Summary:

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

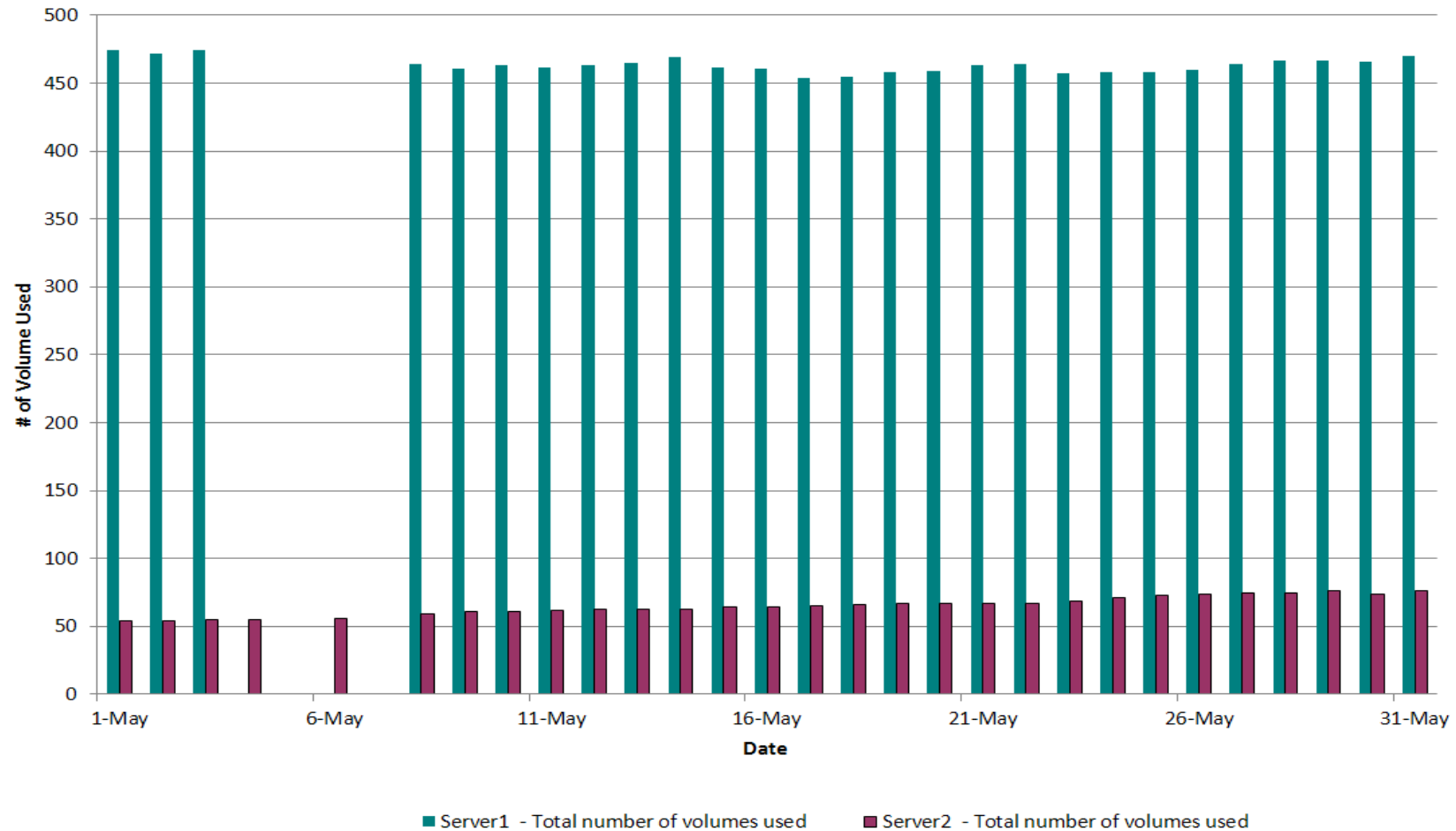
Observation:

Early May the TSM collector was down (BMC # 486623).

Recommendation:

Not applicable

Total Number of Volumes Used – May 2012



Summary:

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

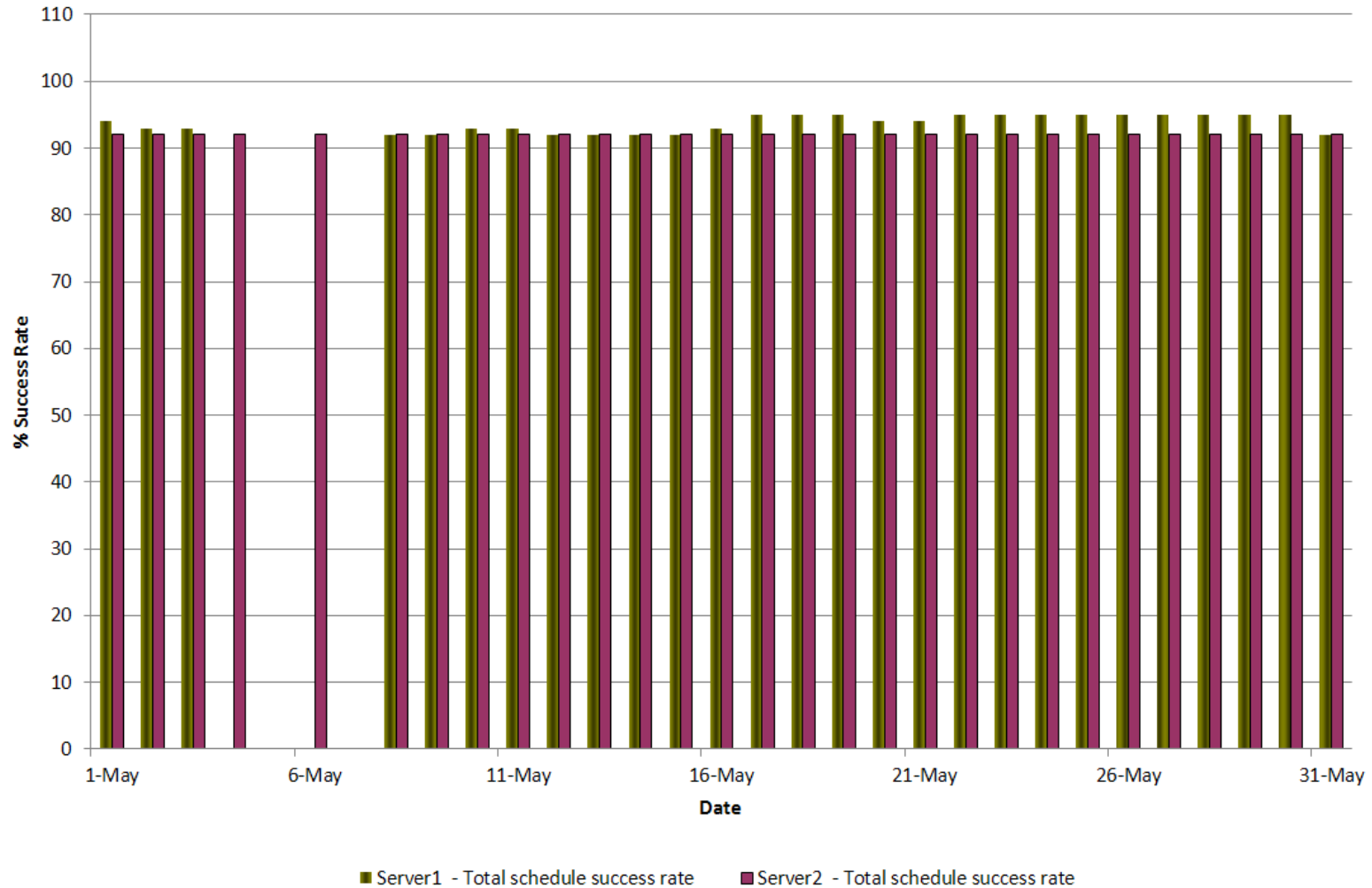
Observation:

Each LTO4 tape holds 1.5TB. The library has 253 tape slots and 230 of them are in use. Vault capacity is infinite as we continue to order tapes as required.

Recommendation:

Not applicable

Total Schedule Success Rate – May 2012



Summary:

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

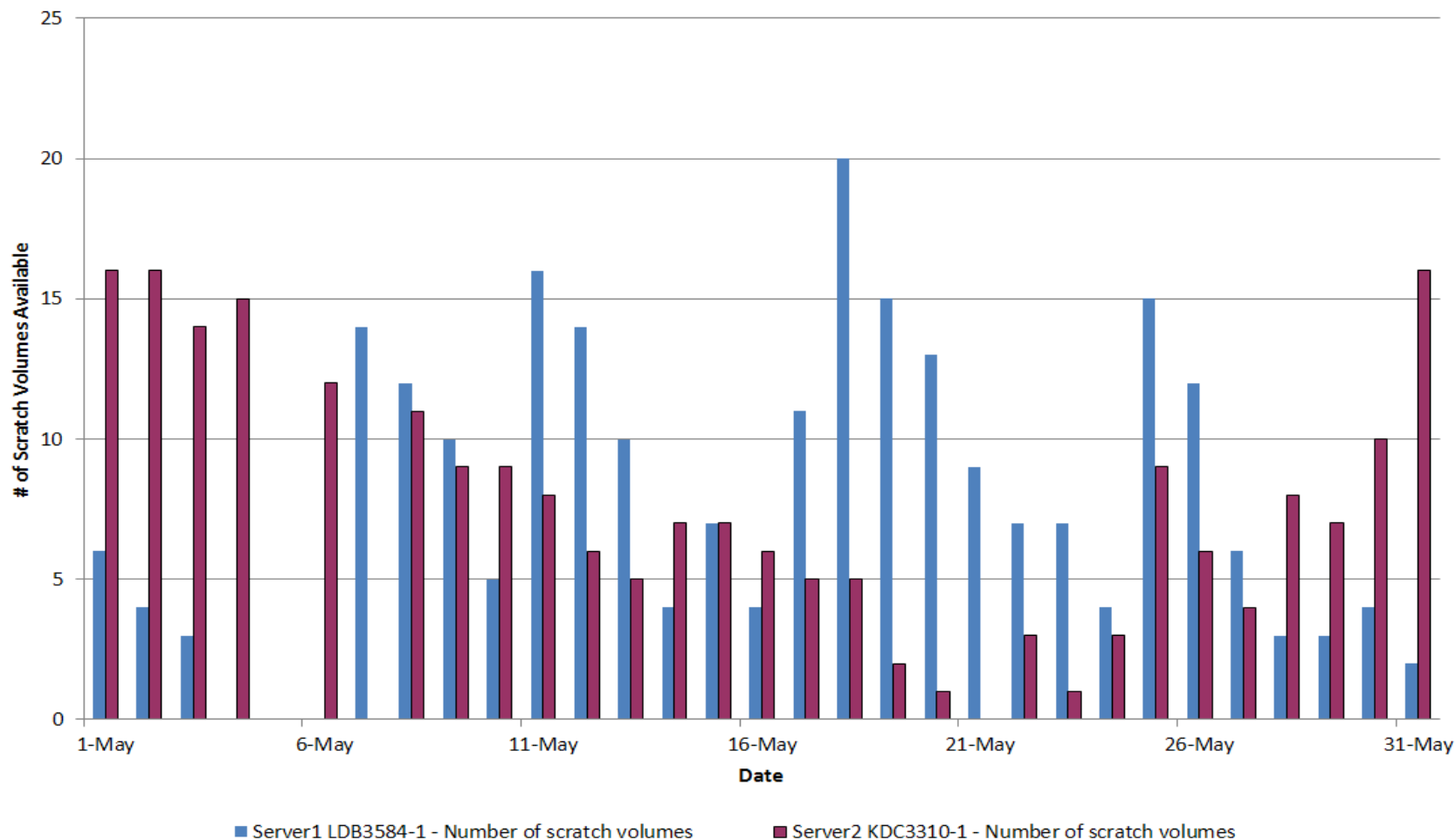
Observation:

Continuing to work on the known client failures that are having problems. Early May the success rate is low for the VDC TSM due to TSM collector being down (BMC # 486623).

Recommendation:

Not applicable

Number of Total Scratch Volumes (available for use) – May 2011



Summary:

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

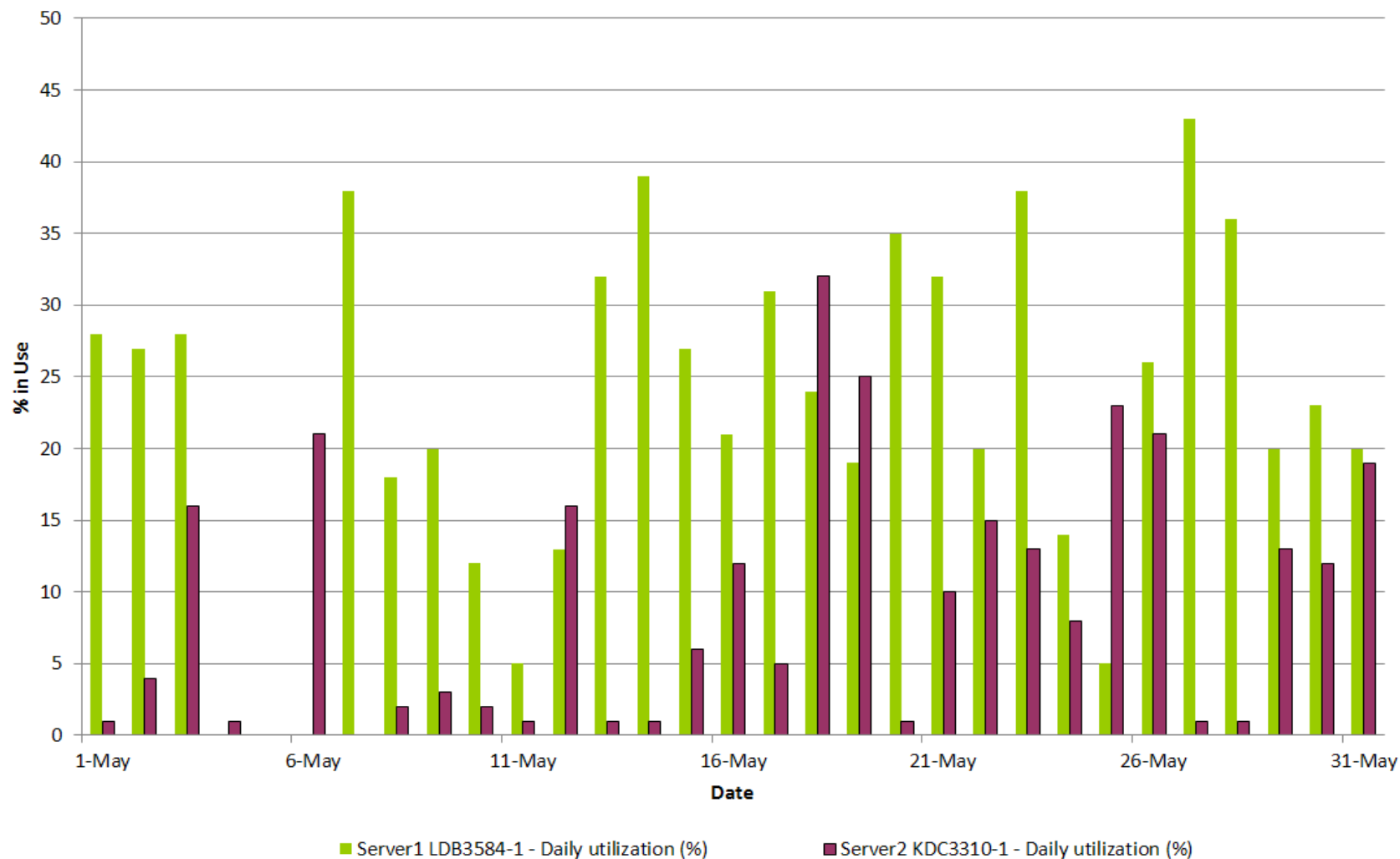
Observation:

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 (%) – April 2011



Summary:

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

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

May 2012

A decorative graphic consisting of a white rectangular box. Inside the box, there is a horizontal green bar at the bottom. To the right of the green bar, there is a vertical yellow bar.