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Section 1: Overall Status

Subsystem	Status
CPU	CRITICAL
MEMORY	WARNING
I/O	OK
NET	OK

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Section 2: System Slowdown RCA Ordered By Impact

Slowdown time and duration

SnapTime   Variance   Secs   Flags   Cause(Most Likely)

Fri May 27 22:36:04 1.1   34 0002-00-00   1: Root Processes High CPU

First the analyzer identifies slowdown and most likely causes

                                 2: System low on Memory

>>>Cause 1: Root Processes High CPU

Next the analyzer identifies most likely process impacting the slowdown

Checking top processes...

SnapTime   Pid   CPU   Command

Fri May 27 22:36:04 GMT 2011   797 74.6   [kswapd0]

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Section 3: Other General Findings:

CRITICAL: CPU Run Queue observed very high spikes.

CRITICAL: Memory severe swapping observed.

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CPU Detailed Findings:

CPU RUN QUEUE: NUMBER PERCENT   There were 14413 snapshots contained in the oswbb archive

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Snaps captured in archive   14413 100.00   Of these 14413 snapshots, 41 snapshots had high run queue

High (>3)   41   0.28   Of these 14413 snapshots, 6 snapshots had very high run queue

Very High (>6)   6   0.04   Of these 14413 snapshots, 0 snapshots spanned more than 1 snap

High spanning multiple snaps   0   0

The following snaps recorded very high run queues:

SnapTime   Value   Value/#CPU   Times where run queue was reported high

--   Run queue value

Thu May 26 00:43:57 GMT 2011   12   6   The effective run queue: Run Queue/# CPU

Thu May 26 01:42:00 GMT 2011   15   7

Thu May 26 08:40:12 GMT 2011   17   8

Thu May 26 20:40:34 GMT 2011   18   9

Sat May 28 00:41:34 GMT 2011   13   6

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CPU UTILIZATION: PERCENT SYS

                        NUMBER PERCENT

Snaps captured in archive   14413 100.00

High (>30%)   0   0

Very High (50%)   0   0

High spanning multiple snaps   0   0

CPU UTILIZATION: The following snaps recorded ROOT processes using high percent cpu:

SnapTime   Pid

Root processes consuming high CPU

are identified

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— The following metrics are reported for those OS's that report these metrics in

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Memory Detailed Findings:

MEMORY: PROCESS SWAP QUEUE

                    NUMBER PERCENT

Snaps captured in archive   232   100.00

High (>0%)   0   0

High spanning multiple snaps   0   0   Scan Rate is the most important indicator for memory issues on Solaris

MEMORY: SCAN RATE

                    NUMBER PERCENT

---   Scan rate that is high and spans multiple snapshots is indicator

Snaps captured in archive   232   100.00   free memory was low

High (>0)   3   1.29

Very High (>200)   3   1.29

High spanning multiple snaps   2   0.86

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Section 6: Disk Detailed Findings

Section 6.1: Device Percent Busy Findings:

(Only Devices With Percent Busy > 50% Reported:)   ← Only devices with percent busy > 50% listed

DEVICE: hdisk0 PERCENT BUSY

                            NUMBER   PERCENT

Snaps captured in archive   111   100.00   ← Notice this device is always busy and requires further investigation

High (>50%)   111   100.00

Very High (>95%)   0   0

High spanning multiple snaps   110   90.91

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Section 6.2: Device Service Times Findings:

(Only Devices With Average Service Time > 10msec Reported:)

Section 6.3: Device Throughput Findings:

(Only Devices With Percent Busy > 50% Reported:)

DEVICE: hbb00

%BUSY	NUMBER	MIN_KR/S	MAX_KR/S	AVG_KR/S	MIN_KW/S	MAX_KW/S	AVG_KW/S
50-59	0	0.0	0.0	0.0	0.0	0.0	0.0
60-69	90	0.0	330.0	36.7	0.0	0.0	0.0
70-79	200	0.0	460.0	48.0	0.0	0.0	0.0
80-89	16	0.0	356.0	37.0	0.0	0.0	0.0
90-99	22	0.0	201.0	29.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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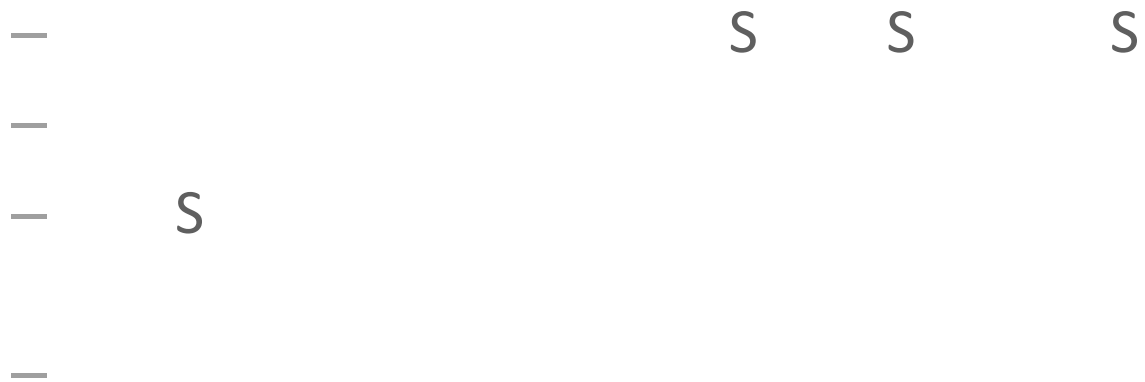
Network IP errors observed.

Section 7.1: Network Data Link Findings

(Only Data Links With Errors Reported:)

Could have many data links but input errors

occurring only on link ge2

LINK	IERRS	OERRS	COLLIS
ge0	441692	0	0

Data Link Error Times:

More importantly all these input errors

Jun 8 19:32:54 2012

happened around a specific time

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Section 7.2: Network IP Findings

PARAMETER	VALUE
requests sent out	27883
total packets received	32861

Section 7.3: Network UDP Findings

PARAMETER	VALUE
datagrams received	499
datagrams output	355
dropped due to no socket	144
broadcast dropped due to no socket	144

Want to avoid any dropped UDP packets especially for RAC

UDP Error Times:

May 18 17:18:01 2012

May 18 17:18:31 2012

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Section 7.4: Network TCP Findings

TCP Errors > 14.62% Packet Retransmitted:

TCP retransmission rate calculated by

oswbba. Retransmission rates > 15%

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