

Hewlett Packard
Enterprise

HPE Integrity NonStop Technical Boot Camp 2017

Cloud Analytics for NonStop



Khodayari
idelji.com

ELJI

November

Forward-looking statements

This is a rolling (up to three year) Roadmap and is subject to change without notice.

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Operation

Doing

Live

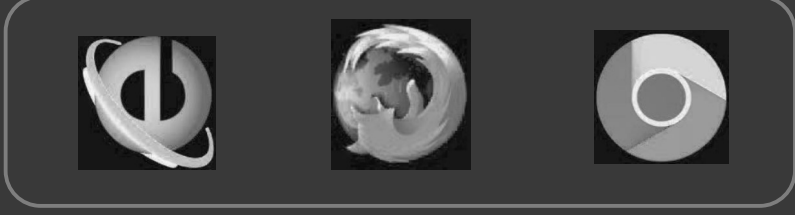
Performance



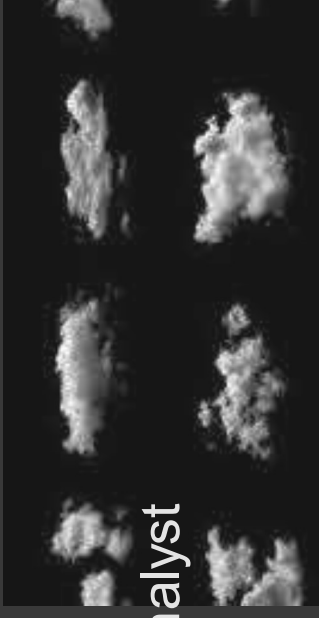
Well

Past, to Future

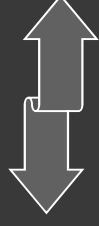
Web ViewPoint Enterprise



1. Performance Management Bundle



2. Remote Analyst

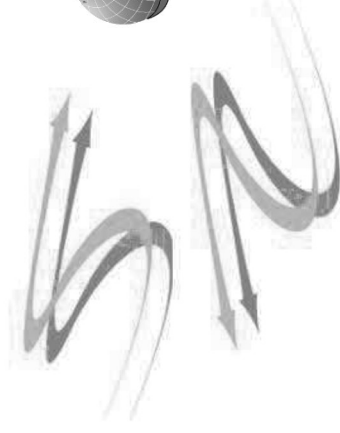


What's a UMP?



Integrated Automation

Web ViewPoint Enterprise



OR

Performance Management B

Machine learning & early A.I.

Value



Remote Analyst \ Daily Report for Wednesday, May 09, 2018 04:00 - Thursday, May 10, 2018 04:00 - Exceptions Noted

	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	00	01	02	03	
CPU																									
IPU																									
Disk																									
Storage																									

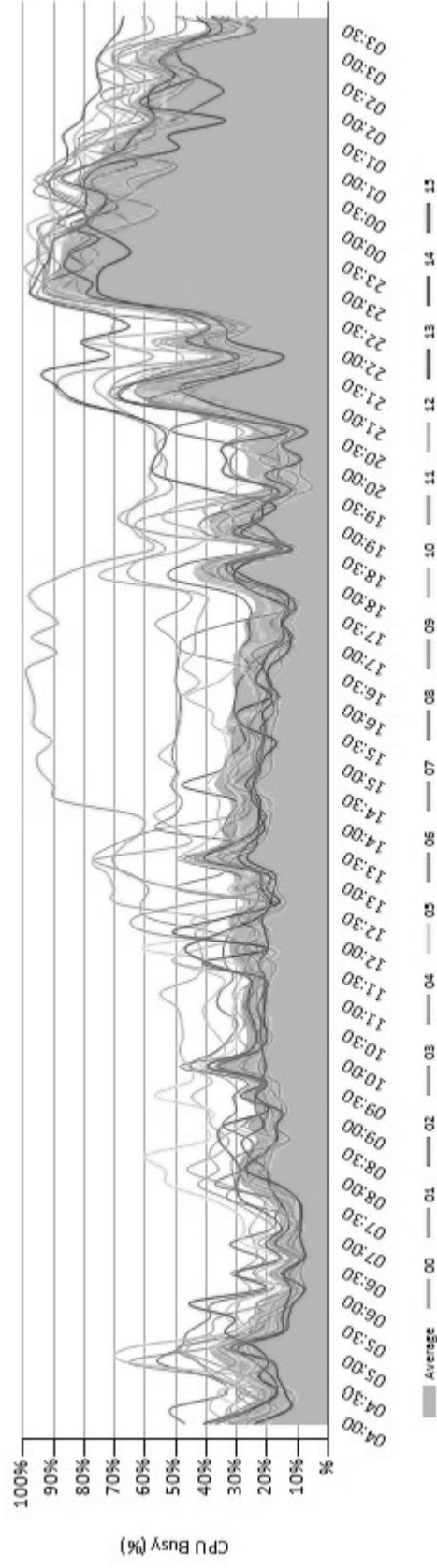
Application Busy

Highest Process Busy

Highest Process Receive Queue

TMF Abort Rates

CPU Busy



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From: advisor@remoteanalyst.com <advisor@remoteanalyst.com>

Sent: Thursday, May 3, 2018 12:04 AM

To:

Subject: \ Dailies for Wednesday May 02, 2018



Remote Analyst \ Daily Report for Wednesday, May 02, 2018 00:00 - 23:59 - Exceptions Noted

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
CPU Busy		1	1	4	1																		2	4
Queue								2										2						
IPU Busy		10	3	1	3	1	3	2	4	1	3	2	2	1	6	2	3	5	1	4	1	3	8	7
Queue					1		3	2	1									4	4	4	1	1		
Disk Queue																								
Storage Used %																								

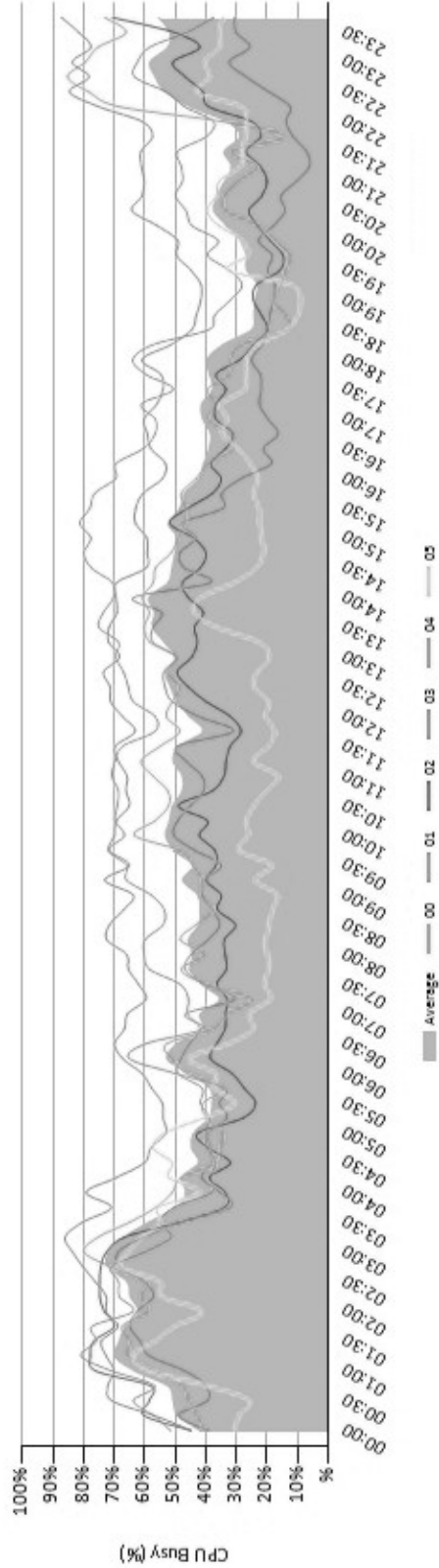
Application Busy

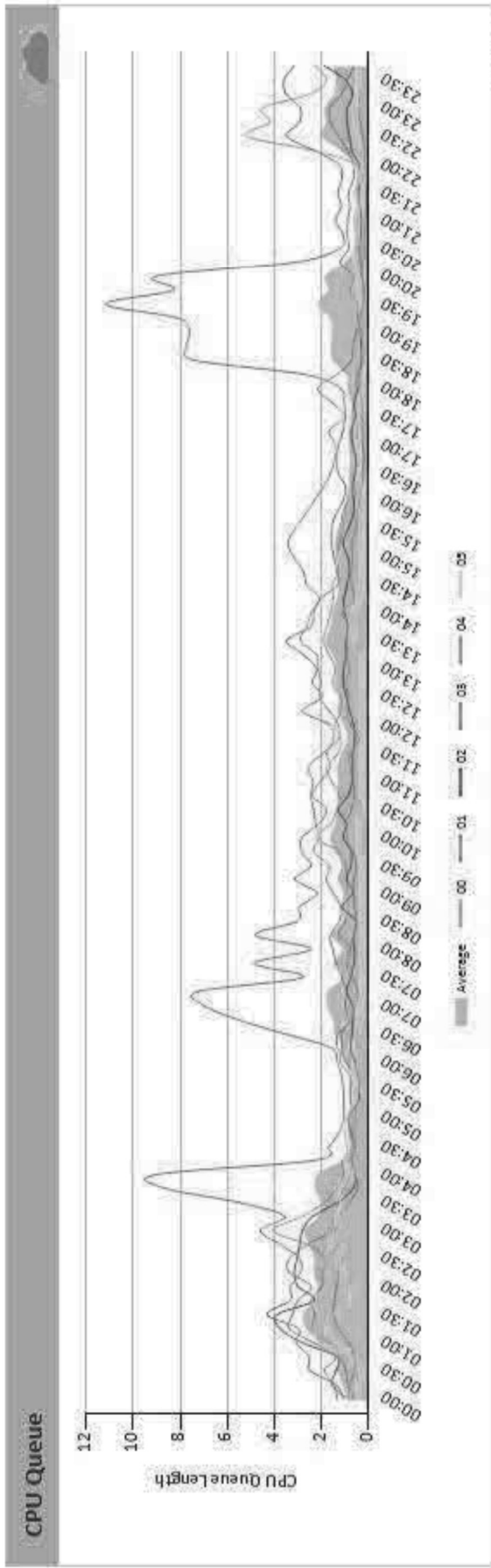
Highest Process Busy

Highest Process Receive Queue

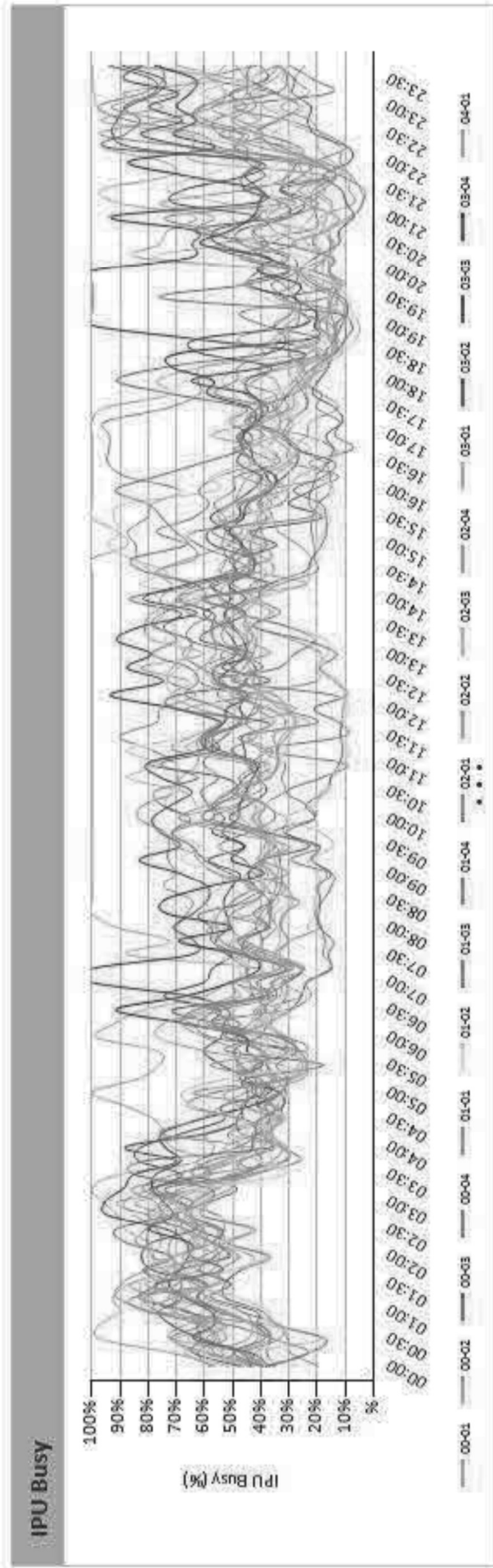
IMF Abort Rates

CPU Busy



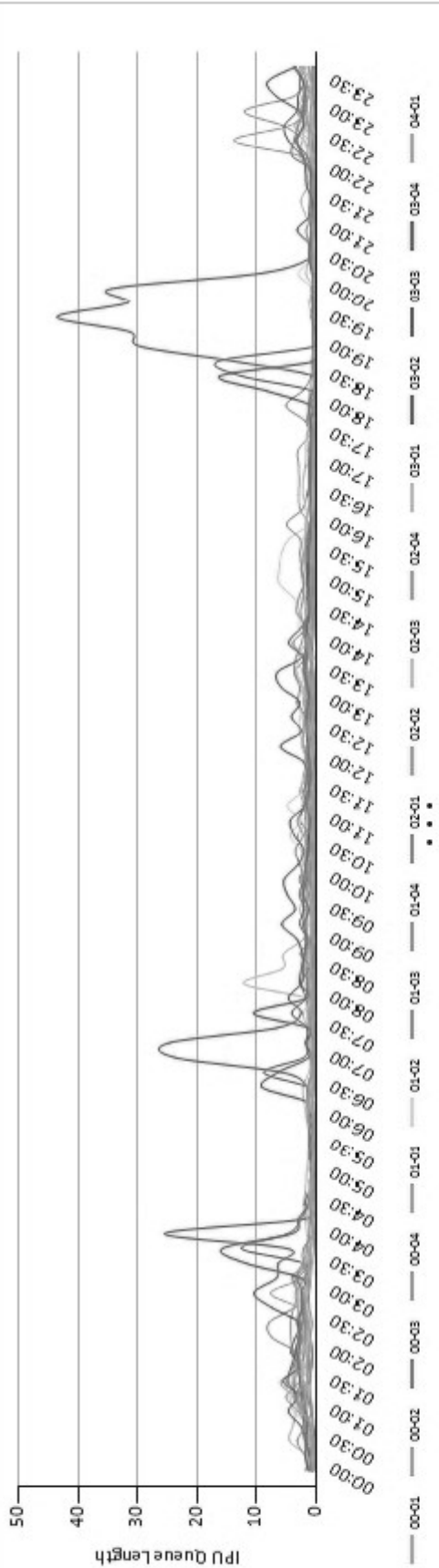


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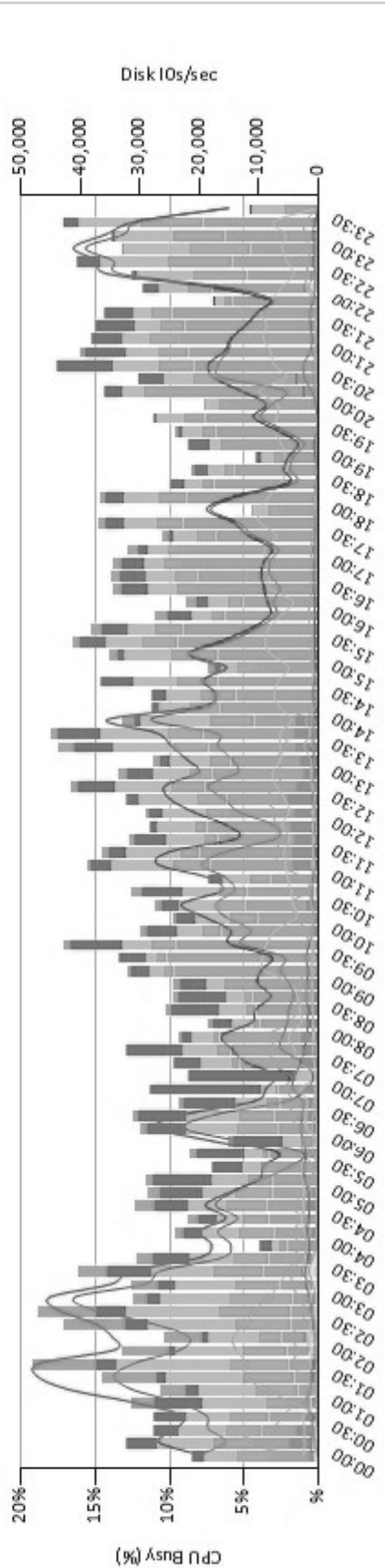
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IPU Queue



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Application Busy

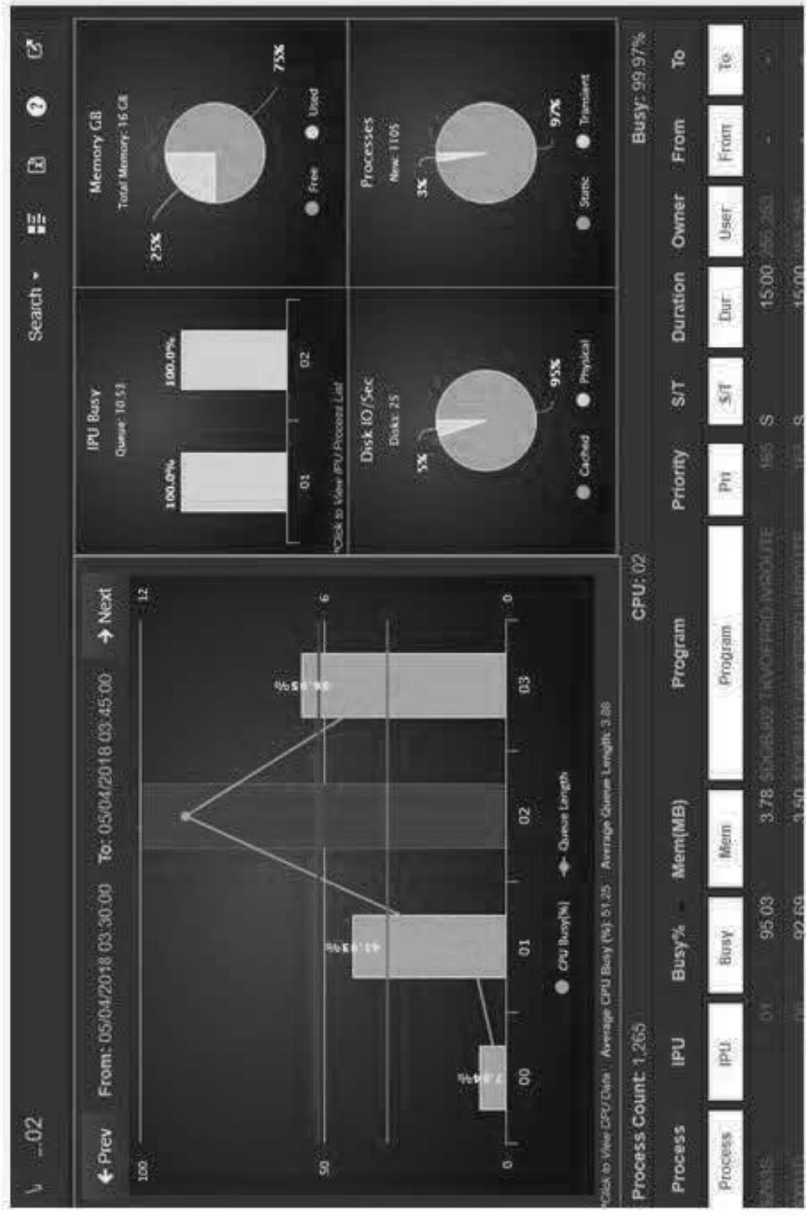


From:
Sent: Friday, May 4, 2018 10:52 AM
To: Khody <khody@idelji.com>
Subject: Re: [External] Vacation is over. rush back!

LOL...I leave for a week and the whole place goes to helk!:)

[Get Outlook for Android](#)

From: Khody <khody@idelji.com>
Sent: Friday, May 4, 2018 1:48:56 PM
To:
Cc: rubenkazantsev@idelji.com
Subject: [External] Vacation is over. rush back!



Case 2



Case 2



From: Khody [mailto:khody@idelji.com]
Sent: Tuesday, April 17, 2018 6:09 AM
To:
Subject: FW: \ Dailies for Monday April 16, 2018 thru Tuesday April 17, 2018

Hi ,

I hope all is well.

You may want to check into \$LDAT9.

Thanks.

System: \

File: \$ldat9.*.*

Opener In CPU: All

\$vol.subvol.file

Start At: 18:00

On: 04/16/2018 Monday

Stop At: 18:15

On: 04/16/2018 Monday

Display Top

10
 1,000
 5,000
 100

Forward
 Backward

Scan

File Name	Date	Time	Writes/Sec	Reads/Sec	Total Writes	Total Reads	Opener
File Name	Date	Time	Writes/Sec	Reads/Sec	TotalWrites	TotalReads	Opener
\$LDAT9.IDVW.IDOIRDE	4/16/2018	18:00	0.00	210.85	0	189,768	2
\$LDAT9.AC.IMGR.IRAXFIL2	4/16/2018	18:00	19.65	43.08	17,681	38,771	50
\$LDAT9.RJ.IRAVALB	4/16/2018	18:00	0.00	0.39	0	355	40

Subject: RE: issue with \$ldat9.

,

The program is doing a full table scan on the table in the

. The cost for this cursor is: 10,856.

```

115 FROM =
116 WHERE
117 AND R
120 AND ((
121 OR (O
122 ANI
124 ORDER I

```

There is an index by and the first field in the is: prevent the full-table scans.

neither of which the cursor is using. An index needs to be added to



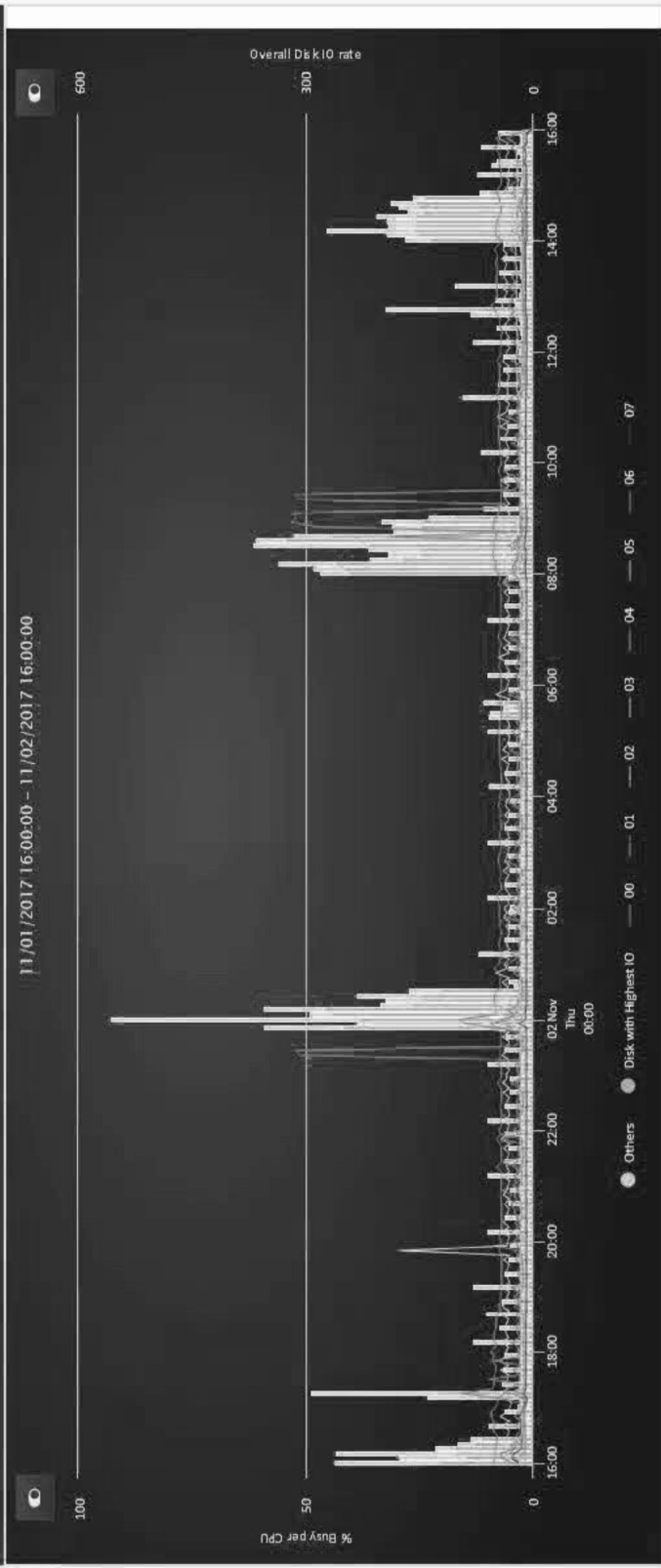
Khody's detective work.

i You replied to this message on 4/20/2018 4:24 AM.

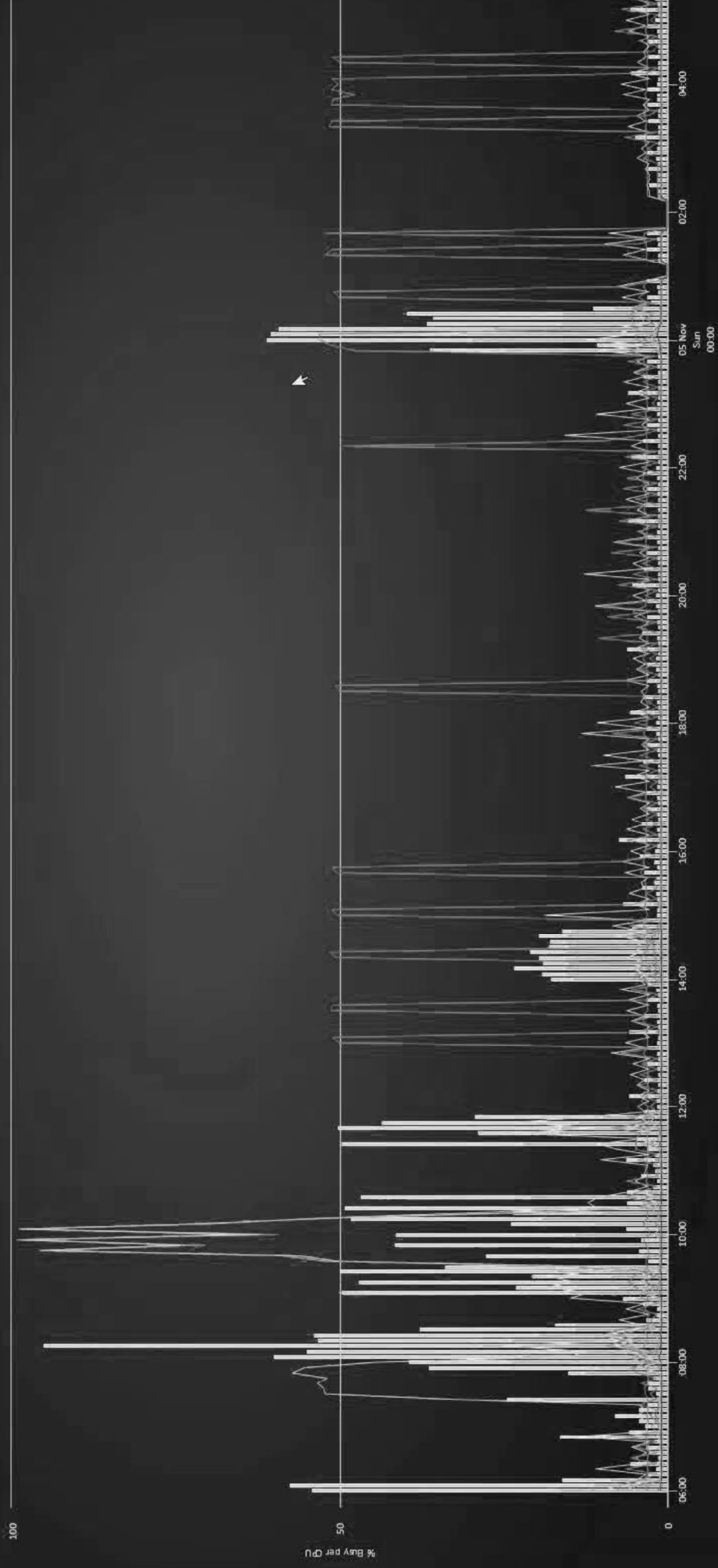
Khody,

This is what your tickler email to me on Tuesday morning eventually brought up and identified.
Again thank you very much for watching out for me.

– NonStop Systems Engineer



11/04/2017 06:00:00 - 11/05/2017 06:00:00



● Others ● Disk with Highest IO 00 01 02 03 04 05 06 07

Generate

Deep Dive | Network | Quick Tuner | Storage | Trends | Application | Pathway

From: 11/03/2017 00:00 To: 11/03/2017 15:15

Email to: None Selected

Audit volumes: \$AUDIT

Allow: 5 Exclude: 0.1

Flag: 90 IO Factor: 2

Min. Msgs: 10 Needle: 1

Max rows: 3,000 10,000 All

Reports (40) | Charts (52)

Select: All | None

- Application Program Profiles (R01)
- Busiest Disk Files Logical I/Os per Second, by Volume (R02)
- Busiest Disk Files Overall Logical I/O Wait Time (R03)
- Busiest Disk Files Overall Logical I/Os/sec (R04)
- Busiest Disk Files Overall Physical I/Os/sec (R05)
- Busiest Disk Files Overall System I/Os per Second (R06)
- Busiest Disk Files Physical I/Os/sec by Device (R07)

Reset

Portfolio & Transactions

Approval Requests

Profile Name: Add Capacity Profile

Data File(s): \$data.

Opener: Any Pro Pro

I/Os: Re

1 Transaction is: 2

Recipient(s):

Cancel

Of Date Period: 03/30/2016 11/04/2017

Time Period: 00:00 01:00

Weekdays: Sunday Monday Tuesday Wednesday Thursday Friday Saturday

CPU: 00 01 02 03 04 05 06 07

Assume: 0 % monthly transaction growth for the next 1 months

Keep: Peak CPU busy below 0 %

Summarize: Average Peak


Business Xn: 0 % of total transactions

Forecast at: Interval Hourly

Submit

Forecast & upgrade planning

DUOD is a 4-CPU NB50kc Server. Each CPU has 4 cores, and 128 GB of Memory

 Machine

I shall call it

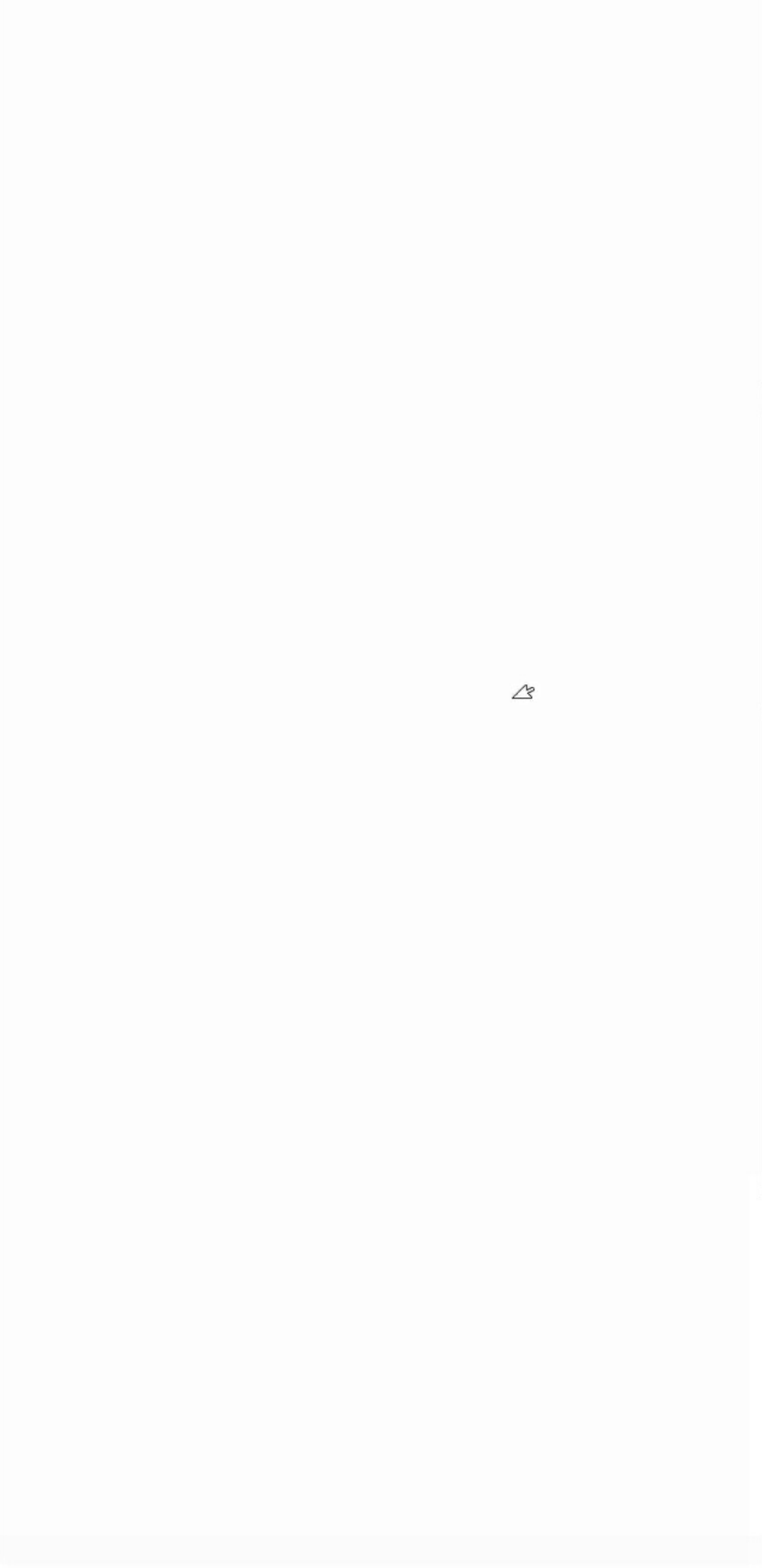
It will have CPUs, each with Cores and GB of memory

New CPUs will be times faster than what I have

Assuming activity increase of % overall Selected Applications

Forecast for a Day, starting on
 Week of (Sun - Sat)
 Month of (first to last day)

Recommend Process Distribution based on



Queue Length

10

W

^

Next

- Deep Artificial Intelligence
- Loopback from Performance to Operation
- Self management
- Self healing

n place today

- Exception notifications
- Capacity forecast
- Upgrade analyses
- Forward / Backward what-if...

Cloud Analytics- Benefits

- Immediate resolutions
- Forecasting & Capacity planning via A.I.
- Integration with live monitor: Web ViewPoint
- Full automation
- Complete historical data
- Easy for anyone to use
- Complexities behind the scene
- No app to install
- Secured access from anywhere, any device
- Implementation options:
 - Inhouse: Performance Management Bundle
 - Cloud: Remote Analyst

Performance Solutions

New Pricing Model

Cloud Solution	1-Year	3-Year	5-Year
Remote Analyst	HPRAS1Y	HPRAS3Y	HPRAS5Y

- Any Processor type or count
- No limit on:
 - Users or user access
 - Analyses generated
 - Data loaded
- Carry your license when you upgrade
- No client software to install
- You are always up to date

Resources

- www.vimeo.com/idejji/albums
- Data sheet
- Online demos
- Evaluation copies



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Thank you