

Delivering New InSight into NonStop Analysis

Speakers: Andy Vasey, Rick Stather





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TCM – Early Years

- Focus on proximity, seamlessness
- Feel like another part of the team
- Highly responsive
- Always available
- Quick to adapt
- Combine NonStop expertise, with exemplary Service Management



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TCM today



Systems Management



Security



Monitoring and Ops



Compliance



Data Replication



Application Modernisation



Performance Analysis



Resourcing



Health Checks



And more...



Sim

TCM today

- Dedicated NonStop service experts
- Design and deliver bespoke service solutions to NonStop Customers around the globe
- Onsite and Remote services delivered via Centre of Excellence based in Scotland
- Never lost a Customer, never failed an SLA
- Flexible, responsive, adaptable, trusted partner, part of the team
- HPE silver partner
- Preserving NonStop knowledge
- TCM Video: link / www.tcm.uk.com









Getting Insightful

Andy Vasey, TCM





The most dangerous phrase in the English language is:

"we have always done it this way"

- Dr. Grace Hopper





TCM InSight Bringing Your NonStop into Focus



INTRODUCING TCM InSight

What is InSight?

TCM InSight is a quick, snapshot
 assessment, aimed at providing a clear
 and accurate understanding of your
 NonStop systems and setup





INTRODUCING TCM InSight

What is InSight?

- In essence, a short yet comprehensive audit
- Lasting only a few days
- With minimal input from Customer
- Designed, built and delivered in collaboration with HPE



Hewlett Packard Enterprise



HOW IT WORKS

GATHER DATA

- Short questionnaire filled out by customer
- Simple 'press of a button' script run by customer will produce majority of data accessed by TCM via secure HTML file
- Follow-up questions for context/understanding via email or video call

ANALYSE DATA

 TCM Experts across all fields of NonStop will review data and compare with best practice

SnapShot for \TCMVNS

PEEK Status

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|------------------------|-------------|------------|----------------------|------------|----------|-----------------------|-------|-------|
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| | | | INTERRUP 0:06:57. | | | DLE TIME :32:31.36 | 3 99 | .85% |
| | | CURRENT | USAGE # C | | # OF F | | | |
| TLE | 60 | | | 30000 | | 0 | | |
| PCB 24: | | | | 9844 | 0: | 0 | | |
| NRL PTLE | 338 | 31 | 4 | 5 | | 0 | | |
| PME | | | • | 160 | | 0 | | |
| SHM | | _ ` | 0 | 106 | | 0 | | |
| SEM | | | 0 | 30 | | 0 | | |
| | ZE C | UR | INIT M | AX.USED | Hepp | MAX.FRA | C CII | D PDA |
| EXTPOOL | 799 | JR. | 26 | 798 | 22 | | 1 | 0 |
| MAPPOOL | 320 | 32 | 1 | 26200 | 29208 | | | 2 |
| SEG TBL | 66 | 366 | 66 | 4 | 5604 | | | 15 |
| POOL64 USAGE | T | OTAL SI | | LLOCATE | OCKED | /WIRED | SEG | MENTS |
| | NIT | CUR | AX CUI | D N | CUR | MAX | CUR | MAX |
| FLEXPOOL (32) | | | KB 1757K | | 1776KB | | 1 | |
| FLEXPOOL64 | | 2048MB 204 | | | | 12MB | 1 | 1 |
| MAPPOOL64 | 51 | | 2MB 44M | | - | _ | 1 | 1 |
| PAGES: PI | HYSCL SW | | | JUIN | RI | EERED U | NDUMP | ED |
| (16Kb) 4163072 4163053 | | | 3819648 | | | 1270 0 | | |
| PAGES: | LOCKED | LOC | CKED(KSEGO) | LOCK | | | | |
| (16Kb) 28 | 82017/37727 | 67 | 3017/12274 | 22549 | | | | |
| | FAULTS | ALLOCS | DISKREADS | DISKWRITE | S M | | MUTEX | CRAX |
| TOTAL | 494111 | 877441 | 345944 | 3808 | 9 | | | 119 |
| (per sec) | 0.53 | 0.94 | 0.37 | 0.0 | 4 | | | 0.00 |
| | REDHIT | REDBUSY | REDTASK | | | | | |
| TOTAL | 0 | 0 | 0 | | | | | |
| (per sec) | 0.00 | 0.00 | 0.00 | | | | | |
| CLEANQ: | FULLS FRL | ST:HITS CI | LOCK: CALLS | FAILS | CYCLES | ALIAS | ES: | FAILS |
| 0 | 0 | 877383 | 4536 | 0 | 11.67 | | 0 | |

⁻⁻⁻⁻

[•] Filesystem Usage



HOW IT WORKS

- Report, Rate, Recommend, Review
 - TCM will produce a comprehensive report providing an assessment of 18 NonStop areas of interest
 - Each area will be scored using a simple traffic-light rating system providing 'at a glance' understanding
 - Findings and further recommendations will be provided, identifying the path to Best Practice
 - A follow-up review with the Customer will explore the report and provide an opportunity to discuss any findings or ratings in greater detail



2. Disc Configuration

Description

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Glo Ra Having the correct disk configuration is essential to a smooth-running system. This includes path and cpu balancing.

What we assessed:

We checked the disk configuration, disk cache, freespace, fragmentation and dirty reads/writes. We also checked for any documentation, evidence of daily tasks being performed and any exceptions being highlighted by the daily checks.

Assessment:

We found a number of disks with free space less than 80%. We also found evidence of daily checklist tasks not being performed or any follow up being performed and/or reported on.

Rating:

Recommended Action:

operations/system managers.

Perform clean-ups/archiving on the affected disks to free up some free space. Ensure that DSAP (Disk Space Analysis) is run on a regular basis alongside Disk Reloads.

Perform a disk sizing task to ascertain whether or not more or larger disks are required. Ensure that processes and procedures are followed in relation to daily tasks by

TCM InSight Report [sample] - Page | 5



HOW IT WORKS

- Recommended Actions:
 - No further action
 - Recommend change to process / configuration / setting
 - Recommend new product / tool / service
 - Recommend further, deeper analysis of certain area(s)







Benefits

- (Inexpensive
- Efficient use of time results within one week
- Despite efficiency still comprehensive
- Independent, objective analysis (not a witch hunt)
- Does not require NonStop knowledge to understand report
- Minimally invasive touch of a button
- One-off / annually / periodically
- Tailored and scalable



WHY GET InSight?



Systems Managers:

- Personal development / continuous improvement
- Confirmation of competence
- Justification for recommended system improvements, training etc.



Senior Management, looking for independent appraisal of **NonStop function:**

- Recently assumed responsibility for technology
- Changes in team / support function
- Wider organisational continuous improvement / compliance programs





HOW TO GET InSight

- Speak to TCM today, come find us at our booth
- Or reach out to your HPE NonStop Account Manager







InSight: A Real World Example

Insight Snapshot Beforehand

TCMSnaps for \PROD

SnapShot ver 1 (2023-04-10) Run time: 13/04/2023 10:00

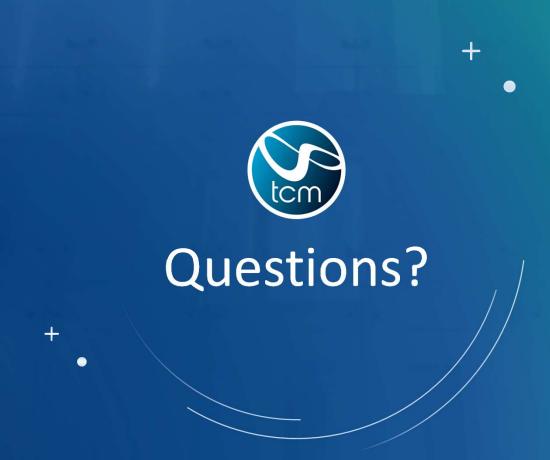
- CPU Status
- PEEK Status
- Disk Space Usage
- Storage Management
 - o Storage Pool
 - Virtual Disk
 - o Clim Disks
- Disk Cache
- List of Devices
- TMF Status and Information
 - \$AUDIT* Disk Configuration
 - \$AUDIT* TMF Audit Files Fileinfo
- Kernel-Managed Swap Facility (KMSF)
- CLIM Information
 - o CLIM Details
 - o MON Details
 - · DDOLL D I 'I

Insight Snapshot Afterwards

TCMSnaps for \PROD

SnapShot ver 1 (2023-04-13) Run time: 13/04/2023 17:00

- CPU Status
- PEEK Status
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TCM – The NonStop Experts

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