VSE Health Checker

Positionierung

und Beispiele

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<u>Inhalt der Präsentation</u>

➢ Positionierung des VSE Health Checkers

➢ Beispiele für die Interpretation

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Positionierung des VSE Health Checkers

➢ Performance-Analyse - Health Check

   ▪ Vorbeugend ist Spitze, reaktiv

➢ Aktivitäten bei einem Health Check

   ▪ Erfassen der gesamten Hard- und Software-Konfiguration

   ▪ **Erfassen der Systemparameter**

      ➡ **Ist die Domäne des VSE Health Checkers**

   ▪ Interpretation der erfassten Daten

   ▪ Ziehen von Schlussfolgerungen

   ▪ Optimierung des Systems

Positionierung des VSE Health Checkers…

➤ Der VSE Health Check erstellt eine Momentaufnahme des Systems

➤ Dauer der Erfassung (fast nur DELAY bei Konsol-Operationen):
ca. 8 Minuten

- Dauer ohne den Health Checker (meist AR-Commands):
ca. 2 Stunden

➤ Der Health Checker zeigt

- Qualität von Systemeinstellungen

- Wichtige Einstellungen sind farbig unterlegt (grün/gelb/rot)

  – Individuelle veränderbar

➤ VSE Health Checker ist **kein Ersatz** für

- Fehlende Fachkenntnis und Erfahrung

- Monitoring im Sinne von kontinuierlicher Systemüberwachung

  – Ressourcen-Belastung / CICS-Transaktionen

- Gründliche Analyse einer CICS-Statistik ……..

Systemvoraussetzungen

➢ VSE/ESA 2.6 (PQ88809 / UQ88864)

➢ VSE/ESA 2.7 (PQ88809 / UQ88865)

➢ z/VSE 3.1 GA System oder höher

➢ TCP/IP aktiv auf VSE Seite

➢ VSE Connector Server aktiv auf VSE (Job STARTVCS)

➢ z/VSE 3.1 Connector Client installiert auf PC-Seite

➢ JDK 1.4 oder höher

➢ STAT Transaktion definiert wegen CICS TS Statistics

➢ CHKT Transaktion definiert wegen TS Queue Liste

Beispiele für die Interpretation

- ➢ VSE Shared Storage

- ➢ Priority Settings

- ➢ CICS TS General Information

- ➢ CICS TS Partition Layout

- ➢ VTAM Buffer Usage

- ➢ POWER Information

- ➢ LE Information

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VSE Health Checker - Data loaded from: VSEPROD_2005_03_22_07.29.33.xml - Timestamp: 22.03.2005 07:29:24

File   Selected   Configuration   Help

Priority Settings

VSE Health Checker
- ESA270
- VSEPROD
  - CICS
    - F2
      - General
      - Storage Layout
      - LE-Options
      - LSR Pools
      - TS Queues
    - F5
      - General
      - Storage Layout
      - LE-Options
      - LSR Pools
      - TS Queues
  - System
    - General
    - IPL
    - Turbo Dispatcher
    - Priority Settings
  - Storage
    - Partition Layout
    - Data Spaces
    - System Directory List
  - VTAM
    - General
  - POWER
    - Status
  - TCPIP
    - I1
      - General
- ZVSE 3.1

Priority	Share	Partition	Application
9	0	F1	POWER
8	0	F3	PRODVTAM
7	0	FB	SECSERV
6	0	FA	FAQSPCS
5	0	I	
5	0	I1	PRODTCP
4	0	E	
4	0	E1	FAQSASO
4	0	E2	FAQSMAIN
4	0	E3	EXPLORE
4	0	E4	EXPDCICS
3	0	R	
3	0	R1	PRODVCS
2	50	L	
2	100	M	
2	100	M1	SQLMFSRV
2	4000	N	
2	4000	N1	MONITOR
2	4000	Q	
2	4000	Q1	ARCHDB2
2	100	BG	
2	2000	F2	PRODCICS
2	4000	F4	PRODDB2
2	2000	F5	PABRCICS
2	100	F6	JAE21S
2	100	F7	
2	100	F8	
2	100	F9	
1	0	Y	

Tip: Click on a column header to sort by this column.
Higher priority number means higher priority.

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General | **Temporary Storage**

General

CICS TS Level	010101
Default User	CICSP2
Release	0411
Storage Protection	ACTIVE

CICS Startup

- ● Cold
- ○ Warm
- ○ Emergency

DSAs (KB)

Peak DSA Size	4608
Peak DSA Used	3672
Peak EDSA Size	26624
Peak EDSA Used	25084

ICV Time

ICV Time	250
ICVR Time	20000
ICVTSD Time	0
PRTY Aging	5500

CICS Recording

CICS Monitoring Rec.	OFF
CICS Statistics Rec.	ON
Statistics Interval	23:59:00
End of Day	00:00:00

Transactions

Total Transactions	2903
Max. Tasks	35
Times at MXT	0
Peak Active User transactions	28

Misc.

Average Library Load time	00:00:00.08832

Note: this plugin works only with CICS TS and requires the STAT transaction.

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■ General | Major Nodes

SGA

Limit	No Limit
Current	1421 KB
Max	1542 KB
Max Used	1542 KB

SGA 24

Limit	No Limit
Current	271 KB
Max	278 KB
Max Used	278 KB

VTAM Private

Current	4415 KB
Max	4497 KB

VTAM Buffers

Buffer	Size	Times Exp.	Curr. Total	Max. Total	Max. Used
SF	112	1	64	64	41
IO	359	0	510	510	128
SP	144	0	10	10	1
LP	2032	0	15	15	12
LF	120	0	30	30	3
BS	216	15	901	1054	1034
XD	681	0	10	10	0
CR	164	0	120	120	53

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General

Service Level	DY46264
Present Session Start	NP

Account File

Account File Name	IJAFILE
Total Tracks	90
Percent Full	0 %

Data File

Data File Name	IJDFILE
Total Tracks	42000
Data Block Size	7548 Bytes
Spool Limit Percentage	90 %

Queue File

Queue File Name	IJQFILE
Total Tracks	60
Total Queue Rec.	7646
Used Records	501
Free Records	7145
Lost Records	0

Data Block Groups

Total	36750
Used	20965
Free	15785
Size	8 DBLKs
Lost	0
Used since last coldstart	21006

Fixable Storage

Allocated	256 KB
Max. Fixed	132 KB
Current Fixed	116 KB

Partition Storage

Total	13312 KB
Above	2048 KB

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Runtime Options for CICS | Runtime Options for Batch

General

| Enclave | EDCYCROP |
| Environment | VSE/ESA V1 R4.3 |

Options

	AbTermEnc	ABEND	Installation default
	All31	ON	Installation default
NO	Debug		Installation default
	Heap	16384,16368,ANYWHERE,KEEP,4096,4080	Installation default
	Stack	8192,8176,ANYWHERE,KEEP	Installation default
	Storage	00,NONE,NONE,0	Installation default
NO	Test	ALL,"*","PROMPT",""	Installation default
	Trace	OFF,4096,DUMP,LE=0	Installation default
	TermThdAct	TRACE,MSGFL,0	Installation default
	Trap	ON,MAX	Installation default

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Danke
für
Ihre Aufmerksamkeit !

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