

Exam : **HP0-781**

Title : NonStop Performance
Analysis and Tuning

Version : Demo

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1. Which product allows you to collect, measure, view, analyze and evaluate application service-level metrics?

- A. ASAP
- B. TPDC
- C. PEEK
- D. MEASURE

Answer:A

2. Which embedded SQL/MP statement is used for performance data collection?

- A. INCLUDE SQLCA
- B. INCLUDE SQLSA
- C. INCLUDE SQLDA
- D. INCLUDE SQLSTATS

Answer: B

3. When are the best times to take measurements of a system? Select TWO.

- A. when another detailed measurement is active
- B. continuously
- C. when the system is lightly loaded
- D. at peak time
- E. during database reorganization

Answer: BD

4. Which PATHCOM command displays statistical information for all TCPs in the RUNNING state for a 10-minute interval?

- A. STATS TCP *, STATE RUNNING, PERIOD 10 MINS
- B. STATUS TCP *, STATE RUNNING, INTERVAL 10 MINS
- C. STATS TCP *, STATUS RUNNING, PERIOD 10 MINS

D. STATS TCP *, STATE RUNNING, INTERVAL 10 MINS

Answer: D

5. Which statistical information can be obtained in SQLCI?

A. disk reads, message count, lock waits

B. lock escalations, cash hit, records accessed

C. index level, records used, timeouts

D. disk open, message bytes, esp time

Answer:A

6. Which Measure entities provide the data needed to determine a high level overview of the system over a 24-hour period?

A. CPU, PROCESS and DISC

B. CPU, PROCESS and DISKFILE

C. CPU, PROCESS and DISCOPEN

D. CPU, PROCESSH and DISC

Answer:A

7. Performance has gradually worsened for an application that sequentially reads a frequently updated file (inserts, deletes & updates). What would you do to enhance the performance?

A. fup reload

B. create index

C. add partition

D. update statistics

Answer:A

8. Which MEASURE entity can be used to implement transaction counting within an application process?

A. System

B. Process

C. Userdef

D. CPU

Answer: C

9. What is the best strategy to start measuring a system?

A. Run PEEK at random intervals.

B. Use VIEWSYS to monitor the system.

C. Use VIEWPOINT to highlight thresholds.

D. Perform a 24-hour measurement of the complete system.

Answer: D

10. What does ViewSys collect information about?

A. Open Control Blocks (OCB) currently in use

B. processor dispatch rate

C. EXPAND line utilization

D. records accessed/used for SQL SELECTS

Answer: B

11. A query accessing a file has recently suffered a significant performance degradation. What recommended action is required on the file?

Click the Exhibit button.

```
Data Chain Information:
Number of chains      100
Longest chain        2
Chain length histogram
1                    0
2 - 10              100
11 - 25             0
26 - 50             0
51 ? 100           0
> 100              0
Avg blocks/chain     2
% of total blks in avg chain
1%
```

A. The query needs recompilation.

B. The file does not need a reload.

C. The file needs a reload.

D. The file needs update statistics.

Answer: C

12. What would you do to enhance performance of the following query? Click the Exhibit button and scroll through the query.

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```

Operation 1.0 Scan
Table \SUNNY!\$CIASS1.SQLDB.EMPLMREB
Access Method: Sequential Access
Locks: None
Column Processing: Requires retrieval of 6 out of 6 columns

koess path 1 Primary, partitioned, sequential. cachel
SBB for reads Virtual.
Begin key pred. None
End key pred.. None
Index selectivity : Effect to elaldne 100of row; frcn table
Index pt.ed. None
Base table pred. : Will be evaluated by the disk process
DEPTNUM = 3600
Pred. Selectivity : E ct

Ibceutor p .ed. None
Table selectivity Effect to select 1.05of rows from table
Detected row count : 848 after the scan
erat.ion 848

Total. oost 848
    
```

>.involt apl.G.'ee;

```

-- Definition of table \SUNNY!\$CLTISS1.SQLDB.EMPLMREB
-- Definition: cm. ouaTCft .2-t 09:-18:u - 11/08/01
    
```

```

(
EMPNUM(6, 0) UNSIGNED NO DEPT NULL
EMPLOYEE(S) NO DEPT NULL
EMPLOYEE(S) NO DEPT NULL
DEPT(4, 0) UNSIGNED DEPT NULL
DEPT(4, 0) UNSIGNED DEPT NULL
EMPLOYEE(S) NO DEPT NULL
)
    
```

\$CLTISS1.SQLDB.EMPLMREB 8 Nov 2001, 9:54

```

SQL STATEMENT
SQLTEXT
VERSION 2
TYPE K
EOIWM1
EXT ( 284 PAGES, 30 PAGES, NEXT 160 )
BEC 59
PAGES 58
BLOCK 4096
DY ( COLLEN 0, OFFSET 0, LENGTH 4, ASC )
INDEX ( 1, $CLTISS1.SQLDB.EMPLMREB,
        COLUMN 1, OFFSET 4, LENGTH 15, ASC,
        NOT UNIQUE )
PART ( 0, $CIASS1, 284 PAGES, 30 PAGES, UOJAENR 160, IIRNT 1, 0 )
PART ( 1, $CIASS2, 284 PAGES, 30 PAGES, UOJAENR 160, IIRNT 1, 14521 )
IWDJ:T
BUFI11R!D
IWMICOUPESS
m7N!a - 1
SBCUBITY <R7BP>: mm
nm wml1: 12 11pr 2001, 18:u
CBJmTmN DMB: 28 Feb 2001, 14:41
BEDEnNriON Dj!l: 12 :Apr 2011, 18:11
LIST OPEN: 8 Nov 2001, 9:31
BOF: 364544 (3.5'b USED)
EXTBNrS liLLOCkt'ED: 1
DIDBX LBV!LS: 1
    
```

- A. force VSBB
- B. add more cash
- C. partition the table
- D. create an index

Answer: D

13. Which information is provided by TRA?

- A. cache hit rate
- B. status of reload
- C. average blocks per chain
- D. whether or not to reload a file

Answer: C

14. Which RDF global parameter should be set to allow monitoring of an Updater's lag time?

- A. UPDATERDELAY
- B. UPDATERRTDWARNING
- C. UPDATERXTIME
- D. UPDATEROPEN

Answer: B

15. Scenario: The Marketing Group is asking for a new feature to be added to the retail OLTP application. They would like to have an online query that would list the last 30 days of purchases for a given customer (credit card number).

The file that currently contains this information is Key-Sequenced and it is updated every time a purchase is finalized.

The primary key for this file is system generated, the remaining data elements are: timestamp, credit card number, the

part number of the item being purchased, the price and the quantity purchased.

You have been asked to recommend the optimal way to access this data. Select ONE.

- A. Use the internal sort process and sort the file by the Timestamp

- B. Create an Alternate Key file, using the Timestamp as Alternate Key value and accessing the file via the Alternate Key
- C. Use the internal sort process and sort the file by the Credit Card Number
- D. Create an Alternate Key file, using the Credit Card Number as Alternate Key value and accessing the file via the Alternate Key

Answer: D

16. Which method contributes to increased memory usage?

- A. shared run time libraries
- B. reusable program modules
- C. reusable objects
- D. program pairs

Answer: D

17. What is the benefit of distributing processes across processors?

- A. shorter path length
- B. easier management of serverclasses
- C. better load balancing
- D. less use of memory resources

Answer: C

18. Parallelism is a major performance feature exploited by

- A. a NonStop process pair
- B. an audited transaction
- C. file partitioning
- D. priority setting

Answer: C

19. Which Pathway server class attribute directly controls the request queue?

- A. TIMEOUT
- B. CHECKPOINT
- C. MAXLINKS
- D. MAXSERVERS

Answer: C

20. During interpretation of a SCREEN COBOL program, the TCP is responsible for dynamically allocating and deallocating memory space for terminal and server I/O buffers. Which TCP attributes define the total space available for these buffers? Select TWO.

- A. MAXTERMDATA
- B. TERMPOOL
- C. TERMBUF
- D. MAXREPLY
- E. SERVERPOOL

Answer: BE

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