

**Exam : IBM 000-917**

**Title : System Administration for  
IBM Informix Dynamic  
Server V10**

**Version : Demo**

## Important Note, Please Read Carefully

### Other VisualExams products

[All visualexams IT Exam Products](#)

### Our products of Offline Testing Engine

Use the offline Testing engine product to practice the questions in an exam environment.

Build a foundation of knowledge which will be useful also after passing the exam.

[visualexams Testing Engine](#)

### Latest Version

We are constantly reviewing our products. New material is added and old material is revised. Free updates are available for 90 days after the purchase. You should check your member zone at VisualExams and update 3-4 days before the scheduled exam date.

Here is the procedure to get the latest version:

1. Go to <http://www.visualexams.com/>
2. Log in the **User Center**
3. The latest versions of all purchased products are downloadable from here. Just click the links.

### Feedback

If you spot a possible improvement then please let us know. We always interested in improving product quality.

Feedback should be send to [Visualexams@hotmail.com](mailto:Visualexams@hotmail.com). You should include the following: Exam number, version, page number, question number, and your login Account.

Our experts will answer your mail promptly.

### Explanations

This product does not include explanations at the moment. If you are interested in providing explanations for this exam, please contact [Visualexams@hotmail.com](mailto:Visualexams@hotmail.com).

### Features

- Comprehensive questions with complete details
- Instant Downloadable in PDF form.
- Verified Answers Researched by Industry Experts
- Questions accompanied by exhibits.
- Drag and Drop questions as experienced in the Actual Exams.
- These questions and answers are backed by our GUARANTEE.
- Questions updated on regular basis.
- Like actual certification exams our product is in multiple-choice questions (MCQs)

**Commitment to Your Success: At VisualTestExam.com, we are committed to you ongoing success. Our exams and questions are constantly being updated and compared to industry standards.**

Want to earn a Microsoft certification like MCSE, MCSE 2003, CCNA, CCNP? Thinking about getting an A+ or CCSP?

A, CCSP or Network+ Certification with less effort and time. You will be astonished at the theoretical and practical knowledge you will acquire in such a short period of time using our Certification Training Products. Our Study material will enable you to pass your Microsoft, Your Cisco and any other certification on the very first attempt.

## **Guarantee**

Visual Exams provides the most competitive quality of all exams for the customers, we guarantee your success at the first attempt with only our Certification Question&Answers, if somehow you do not pass the exam at the first time, we will not only arrange FULL REFUND for you, but also provide you another exam of your claim, ABSOLUTELY FREE!

1. A dbspace was recently added to a database server. Which of the following commands will help identify whether disk layout problems exist as a result of adding the dbspace?

- A. onstat -g iob
- B. onstat -g iov
- C. onstat -g iof
- D. onstat -g glo

**Answer: C**

2. The following error message appears in the database server message log:

09:28:43 Aborting Long Transaction: tx 0xa43c728 username: sallyr uid: 200

This transaction has rolled back. Which of the following best describes the situation in the error message?

- A. A transaction has spanned multiple logical-log files and has caused the logical-log files to fill to 100% full.
- B. A transaction has caused the physical-log file to fill to the percentage indicated by the LTXHWM configuration parameter.
- C. A transaction has caused a single logical-log file to fill to the percentage indicated by the LTXHWM configuration parameter.
- D. A transaction starting in the oldest log is open, and the percentage of logical-log files filled has passed the LTXHWM configuration parameter.

**Answer: D**

3. Given the following information collected by the 'onstat -d' command:

dbspace number	fchunk	nchunks	pgsize	flags	owner	name
1	1	1	2048	N B	informix	rootdbs
2	2	1	2048	N B	informix	dbspace1
3	3	1	2048	M B	informix	temp_space1
4	4	1	2048	N B	informix	temp_space2
5	5	1	2048	N TB	informix	dbspace2

What type of dbspace is the 'temp\_space2' dbspace?

- A. Blob dbspace
- B. Normal dbspace
- C. Mirrored dbspace
- D. Temporary dbspace

**Answer: B**

4. A Database Administrator is configuring the files to establish network connections on a UNIX system, which uses a sockets interface and a TCP/IP protocol.

The DBSERVERNAME configuration parameter has been set to 'dbserver1' and the name of the UNIX host machine is 'chicago1'. The service name used is 'sqlxec'.

Which of the following entries in the sqlhosts file should be used?

- A. chicago1 sqlxec dbserver1 onsoctcp
- B. chicago1 onsoctcp dbserver1 sqlxec
- C. dbserver1 onsoctcp sqlxec chicago1
- D. dbserver1 onsoctcp chicago1 sqlxec

**Answer: D**

5. A database server has been running for days but after monthly reports were run, the following message appeared in the online.log:

12:25:01 Memory allocation error

Which of the following most likely caused the error?

- A. The DS\_TOTAL\_MEMORY has been reached.
- B. The swap space on the computer has been set too high.
- C. An operating system limit on shared memory has been reached.
- D. The BUFFERS and SHMVIRTSIZE configuration parameters are larger than the maximum segment size allowed.

**Answer: C**

6. Images with an average size of 50 bytes are to be stored as large objects in the database. For a database server that uses a 4KB page size, which of the following methods should be used to store the large objects and utilize disk space most efficiently?

- A. Create a normal dbspace to store the large objects.
- B. Create a blobspace with a 2KB blobpage size to store the large objects.
- C. Create a blobspace with an 8KB blobpage size to store the large objects.

D. Create a blob space with a 16KB blob page size to store the large objects.

**Answer: A**

7. A Database Administrator needs to know the physical location of a table. Which of the following commands would show this information?

- A. oncheck -pe
- B. oncheck -pr
- C. oncheck -pR
- D. oncheck -pp

**Answer: A**

8. To specify which configuration file to use, the ONCONFIG environment variable must be set to the:

- A. name of the configuration file to use.
- B. path of the configuration file to use.
- C. path and name of the configuration file to use.
- D. \$INFORMIXDIR/etc directory where the configuration file will be located.

**Answer: A**

9. Which of the following best describes external backups on the IBM Informix Dynamic Server?

- A. An external backup allows backups using onbar or ontape; database transactions are active during external backups.
- B. An external backup allows backups using onbar or ontape; database transactions are suspended during external backups.
- C. An external backup allows backups using operating system or third-party utilities; transactions are active during external backups.
- D. An external backup allows backups using operating system or third-party utilities; transactions are suspended during external backups.

**Answer: D**

10. Following are outputs of 'onstat -k' and 'onstat -u' command:

```
$ onstat -k
IBM Informix Dynamic Server Version 10.00.FC4 -- On-Line -- Up 25 days 02:30:31
Locks
address  wtlst  owner      lklist  type      tblsnum  rowid  key#/bsiz
a154de0  0      afd30c8    0       HDR+S     100002   205    0
a154e58  0      afd38f0    0       HDR+S     100002   201    0
a155380  0      afd5990    0       S         100002   205    0
a1554e8  0      afd5168    0       S         100002   205    0
  4 active, 2000 total, 2048 hash buckets, 0 lock table overflows
```

```
$ onstat -u
IBM Informix Dynamic Server Version 10.00.FC4 -- On-Line -- Up 25 days 02:30:45
Userthreads
address  flags  sessid  user      tty  wait  tout  locks  nreads  nwrites
afd1028  ---P--D 1      informix -    0     0     0     0     31     34
afd1850  ---P--F 0      informix -    0     0     0     0     0     756
afd2078  ---P--- 5      informix -    0     0     0     0     0     0
afd28a0  ---P--B 6      informix -    0     0     0     0     0     0
afd30c8  Y--P--- 34     informix 5    b34c2c8 0     1     1     0
afd38f0  Y--P--- 36     informix 10   b2e65a0 0     1     12    0
afd4118  ---P--D 9      informix -    0     0     0     0     0     1
afd4940  Y--P--D 15     informix -    a140738 0     0     0     0
afd5168  Y--P--- 38     informix 10   be28550 0     1     0     0
afd5990  Y--P--- 40     informix 10   b4e8c50 0     1     0     0
 10 active, 128 total, 18 maximum concurrent
```

Users are reporting that they cannot access a table because they are getting errors indicating that the table is locked. The Lock address 'a155380' is holding a lock on the table. What is the session id for lock address 'a155380'?

- A. 34
- B. 36
- C. 38
- D. 40

**Answer: D**

11. A database server is experiencing slow query response times. Operating system utilities show that all 6 CPUs are at around 50% utilization. There are currently 4 CPU VPs configured on the database server. Of the following, which is the most probable change that could be made to correct this problem?

- A. Add more AIO VPs.
- B. Add more CPU VPs.
- C. Turn on Processor Affinity.
- D. Add more physical processors to the machine.

**Answer: B**

12. Querying the sysmaster database table sysdatabases returns a row with a value of 1 for is\_logging and

a value of 0 for is\_buff\_log and is\_ansi; What is the current log status of the database?

- A. ANSI
- B. Not logged
- C. Buffered logging
- D. Unbuffered logging

**Answer: D**

13. In which of the following situations is a checkpoint requested?

- A. When the logical logs are filled
- B. When the physical log file is 75% full
- C. When a buffered-logging database is created
- D. When the value of the LTXHWM configuration parameter is passed

**Answer: B**

14. A Database Administrator is configuring the NETTYPE configuration parameter to set the number of poll threads for shared memory connections. The administrator would like to allow 100 users, 2 poll threads, and run the poll threads on a CPU VP. Based on the above information, the Database Administrator should configure the NETTYPE parameter with which of the following entries?

- A. ipcshm,2,50,CPU
- B. ipcshm,50,2,NET
- C. ipcshm,100,2,CPU
- D. ipcshm,2,100,CPU

**Answer: A**

15. External C functions are to be created and registered in the database server to support new data types. It is important to have these routines run exclusively on a virtual processor where it will not block threads running on other VPs. Which of the following VP classes should be used for these functions?

- A. JVP VP
- B. CPU VP
- C. MSC VP

D. USR VP

**Answer: D**

16. For a database server that uses a 2KB page size, which of the following commands creates a temporary dbspace that is 10,000KB in size?

- A. onspaces -c -d tempdbs -p /dev/rawdev1 -o 0 -s 5000
- B. onspaces -c -d tempdbs -p /dev/rawdev1 -o 0 -s 10000
- C. onspaces -c -d tempdbs -t -p /dev/rawdev1 -o 0 -s 5000
- D. onspaces -c -d tempdbs -t -p /dev/rawdev1 -o 0 -s 10000

**Answer: D**

17. Which of the following commands shows the number of page cleaners configured and type of write that flushes pages to disk?

- A. onstat -F
- B. onstat -f
- C. onstat -R
- D. onstat -r

**Answer: A**

18. An instance was created by developers during the Database Administrator's absence. Tables have been created in a database and a system has gone live. The developers did not know anything about IBM Informix Dynamic Server other than how to create a minimal instance. The instance just crashed, 15 minutes after going live. Given the statements below:

- Rootdbs is too small.
- Applications are waiting on locks.
- Deadlocks abound.
- Disk space ran out.

What are the likely problems that caused the crash?

A. Logical Logs and physical log and temp space found therein, along with all of the database indexes and tables. Tables have table locks.

- B. Logical Logs and physical logs and temp space found therein, along with all of the database indexes and tables. Tables have page locks.
- C. Logical Logs and physical log and temp space found therein, along with all of the database indexes and tables. Tables have page locks.
- D. Logical Logs and physical logs and temp space found therein, along with all of the database indexes and tables. Tables have row locks.

**Answer: C**

19. On a busy system, index cleaning is running in a slower pace and that needs to change. Which of the following commands will provide information about the current priority of threads responsible for index cleaning?

- A. onstat -g glo
- B. onstat -g ath
- C. onstat -P
- D. onstat -C

**Answer: D**

20. A Database Administrator is experiencing database backup performance problems. The database server has ten dbspaces and each of them consists of four 2 Gigabyte chunks. OnBar is used as the backup utility. A level 0 archive is started at 24:00 every night and it runs for 12 hours. Optimizing which of the following database parameters would most likely reduce the backup time?

- A. TAPEBLK
- B. TAPESIZE
- C. ISM\_DATA\_POOL
- D. BAR\_MAX\_BACKUP

**Answer: D**

Visualexams.com was founded in 2006. The safer,easier way to help you pass any IT Certification exams . We provide high quality IT Certification exams practice questions and answers(Q&A). Especially Adobe, Apple, Citrix, Comptia, EMC, HP, HuaWei, LPI, Nortel, Oracle, SUN, Vmware and so on. And help you pass any IT Certification exams at the first try.

Web site: <http://www.visualexams.com>

You can reach us at any of the email addresses listed below.

E-Mail: [visualexams \(at\) hotmail.Com](mailto:visualexams@hotmail.com)