



美國數據管理協會

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News Letter

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DBA Online – On the front line of database administration – DBA Online powers Oracle DBA

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Summary of DBAOnline Annual Conference

On November 22, American DBAOnline successfully hosted its biggest event of the year to celebrate its 4th anniversary at Clarion Hotel in Edison, New Jersey. The celebration contained two parts: the afternoon technical seminar session and dinner banquet/party.

About 200 members and database management professionals attended the technical seminar. Committee VP Mr. Yi Han was our host for this part. Six senior experts gave diversified presentations on the hottest database management related technologies. DBAOnline’s Founder and President, Mr. David Wang, provided a business overview of the current Oracle DBA market. He also shared tips and his self-programmed tool for performance tuning -- a task that can be challenging for even senior DBAs. Mr. Jiangang Luo, a principal consultant from Oracle Corporation, demonstrated an Oracle Business Intelligence tool and the architecture design of Data Warehouse applications. AVP Oded Zehavi from

DBA Online

Etagon flew in from Israel specially to introduce their impressive tool that guarantees deployment of Oracle 9i RAC within an hour. Senior architect Stefan Kwiatkowski from Veritas showed us how to perform system/database tuning at O/S level in Veritas file system environment. Our Committee Director, Mr. Dong Li, shared his real world experience with standby database management. He set a great example for all other members proving that every member can contribute to DBAOnline with his/her specialties. Director Jon Bovit from Outerbay Technologies introduced application data lifecycle management. Each presentation covered a hot technology and development trend in database management. Together they offered attendees a wide range of valuable information which will enhance everybody's knowledge on current technologies.

The informative technical presentations were interjected with Live Tech Quiz (hosted by our Vice President Carol Sheng) and the exciting raffle (sponsored by Etagon). Member Laurel Lou, our lucky winner of the raffle, won a SONY Playstation2. Congratulations Laurel!

The dinner banquet resembled a holiday celebration. At 7:00 pm, 150 members and guests dressed up and stepped into the dining hall. Many VIPs came specifically to congratulate on the 4th anniversary of DBAOnline. The dinner party was hosted by Committee VP Ms. April Cai. At the banquet, Mr. David Wang reviewed the history of DBAOnline from its beginning in 1999. He specially thanked committee members for their contribution to the organization. It was their team spirit, unselfish contributions and countless efforts that rendered the healthy growth and prosperity of our organization. He also thanked all the software companies for their sponsorship. Mr. JinSheng Dong, Chinese Counselor at Chinese Consulate in New York, gave keynote speech on the IT market and the potential opportunities in China. Mr. John Yeung (Chairman of New Jersey Chinese-American Chamber of Commerce), Ms. Elizabeth Wong (CEO & Executive Director of the New Jersey Higher Education Student Assistance Authority (HESAA)) and Mr. Jiacheng Liu (Deputy Director of Dalian Government Information Technology Bureau) also gave brief speeches. Mr. Sean Chen, a member of the Hillsborough Board of Education and also a DBA, encouraged peers to participate community activities in addition to striving for excellence in their full-time jobs. Mr. David Wang took the opportunity to thank the media for their support. Member Wang Tao and special guest Yongping Lu, Yongping Lu, winner of Chinese Karaoke competition, gave an excellent performance. The spontaneous performance of the famous singer Mr. Yuan Xie received the crowd's applause and raised the party to its pinnacle. The party also featured a live brainteaser quiz and funny picture hosted by VP Warren Yang and line dance lessons offered by members of the Rutgers Dancing

Club. The event created a great environment for members to make new friends and network with other professionals. Many members were singing, dancing and fully enjoying themselves until midnight when the party ended in the chorus of “auld lang syne” and cheers. What a spectacular night!



David Wang's Speech at DBAOnline Annual Party

November 22, 2003

各位来宾，女士们，先生们

非常高兴你们来参加美国数据管理协会成立四周年的庆祝晚会。美国数据管理协会(AmericanDBAOnline)是由从事电脑数据库管理的专业人士组成，创办于1999年，目前已有七百多会员，分布于美国16个州及海外。大多数会员是华裔。四年来，协会已成功举办了20多次大型讲座，受到了广大会员及华裔电脑界人士的欢迎。



协会的历史追溯于1998年，当时在华尔街附近工作的五十几个数据库管理的专业人士自发地成立了DWClub，经常在一起讨论技术问题。工作中遇到的困难，打一个电话发一个EMAIL就能找到解决问题的的方法。一年后，随着更多的数据库专业人士加入这个俱乐部，诞生了美国数据管理协。协会的宗旨是向更多的专业人士提供一个技术交流信息共享的平台。

在理事们及广大会员们的共同努力下，协会办得有声音色，定期举办技术讲座，建立了自己的网站(www.dbaonline.org)极大

地促进会员之间的交流，定期出版协会刊(DBAOnlineNewsLetter)。协会成立初期经费主要来自于会员的会费和许多会员的热心捐款。随着协会的进一步发展，理事们建立了一套有效的市场策略。数百位数据库管理人员的聚会正是美国大软件公司求之不得的市场开发良机。协会与几家大公司建立了赞助商互惠关系，即让这些公司设展台介绍其产品，发放免费有关数据库管理的软件，又邀请这些公司的技术专家作纯技术演讲，介绍数据库发展的新技术。协会与企业密切合作，达到了双赢的效果。会员因此可以免费加入协会及免费参加技术讲座以获得最新技术发展信息，协会获得经费解决了租用专业场所举行大型技术讲座会的费用和举办协会其他各种活动的费用，如夏天的野外野餐活动，和今晚的晚会等等。

随着美国经济与互联网市场的大起大落，数据管理协会渡过了四个春秋。与互联网泡沫不同的是，协会在一年年稳步发展，从最初的50多人起，几乎每年翻一翻。协会通过广泛征求会员的意见建议，结合市场对数据库管理专业人士的新要求，组织了一次又一次会员们受益，喜爱的技术讲座和娱乐活动，使会员们更感到这个“家”的作用。每次组织大型讲座，理事们无偿地奉献大量的时间和精力，想方设法请来行业中的专家，介绍最新的技术。协会同时也与Computer Associate, Quest Software, Precise, Veritas, Youngtech, BMC Software, 等12家公司建立了赞助商关系。

回顾协会成立四年来的发展历程时，我要特别感谢协会副会长唐伟，盛知，李群，万国萍，DanielHu，张燕，韩毅，Warren Yang以及李东，AprilCai，都汉斌，林燕等各位理事及会员们对协会的贡献，明年的理事会又增加了John Zhong, Jeff Zheng, Stan Ma, Charles Kuo 和 SueLi 等成员。明年我们还一些Project Coordinator，有谢立辉，何耀丽，陈茹，WendyHan，张萍，Jie hua Huang, Jiayu Gu, Peter Jin, Chun Ye, Lynn Huang, Saying Chen, FrankHuang, WenyuanYe, ChrisHuang, MinWang, JulieZhu, JingGao, DavidChu, DavidHe等。感谢他们的参与。

今天在座的还有几位Oracle公司的专家，ChrisQian，王奇，刘惠才，郭建刚，还有GoldmanSachs公司的JohnZhong，纽约时报的李东，Feedroom的LarryHe等。他们都为协会作过专题讲座。让我们在此表示感谢。

我也借此机会感谢各协会的支持与合作。感谢新闻媒体对数据管理协会的大力支持。感谢我太太王爱娟医生多年来的理解和支持，谢谢各位！

王幼伟

News About Oracle10g

LATEST NEWS

The Oracle 10g was officially launched on 9th September announced by Oracle Chairman and CEO Larry Ellison.

SCALABILITY IMPROVED

Reports suggest that enhancements to Oracle10g database will concentrate largely on speed, scalability and increasing compatibility of recently added features.

Specifically, scalability will be improved with data addressing up to 8 exabytes (8 million terabytes), making Oracle a viable option for even the largest current data warehouse implementations. In addition XML database support will be greatly enhanced, as widely anticipated.

GRID COMPUTING FEATURES

Oracle will be heavily promoting the new version's Grid Computing features, and in fact Oracle has recently been referring to the product as Oracle 10G ("G" for Grid). Automated Storage Management features are promised, along with high-speed data movement utilities.

FASTER INSTALLATION, SIMPLER MIGRATION

Oracle claims 10G will be installable in 30 minutes, and new upgrade features will make migrations from previous versions simpler. Online upgrade support may allow new versions to be released without downtime.

WHAT'S IN AND WHAT'S OUT

It may surprise a lot of DBAs to learn that support for the Windows SQL*Plus GUI will be lost in Oracle 10G. The browser-based iSQL*Plus will replace it. Within SQL*Plus the COPY command, much loved by experienced DBAs for quickly shifting large amounts of table data between databases, will be deprecated.

Oracle Names will be another casualty of 10g. Oracle's legacy service naming technology will be replaced by directory naming with LDAP-compliant directory servers.

Support for the Rule-Based Optimizer (RBO) will also disappear in Oracle 10g, finally forcing DBAs to switch to the Cost-Based Optimizer (CBO).

Oracle 10g will include Oracle Real Application Cluster (RAC) support for Sun, HP and IBM Unix boxes, bringing them up to date with technology currently available for Windows and Linux.

DESUPPORT FOR OLDER ORACLE VERSIONS

Keen to encourage early 10G take-up, Oracle has already said that the current version of Oracle will go out of Error Correction Support in December 2005, and will be wholly de supported after 31st December 2008.

Q & A

The following questions are gathered from our members and presented by Carol Sheng on the Seminar.

QUESTION 1:

Which statements is true regarding the use of UTF-16 encoding? (Choose two)

- A. Enables easier loading of multinational data
- B. Uses a fixed-width multibyte encoding sequence
- C. Asian characters are represented in three characters
- D. Uses variable-width multibyte encoding sequence

QUESTION 2:

Which of the following will not prevent fast refresh of a materialized view (MView)?

- A. A join criteria between two tables in the MView.
- B. The MView WHERE clause contains a reference to SYSDATE in it.
- C. The MView contains a LONG RAW data type in it.
- D. The MView contains a join and a GROUP BY clause.
- E. The MView contains an outer join, and no constraints exist on the join columns of the inner join table.

QUESTION 3:

In Oracle 9i is there any way to make oracle alert log online using oracle 9i new feature?

- A. Oracle 9i has MVIEW to show oracle alert log
- B. Using BMS_METADATA
- C. Create view from the alert log using oracle 9i DBMS_NVIEWS
- D. Using External table feature.

QUESTION 4:

You are developing SQL statements for the application. Which of the following SQL operations requires the use of a subquery?

- A. in
- B. exists
- C. between
- D. like

QUESTION 5:

Which two locks are acquired automatically for a DELETE statement? (Chose two)

- A. A shared (subexclusive) TM lock
- B. A shared (subexclusive) TX lock
- C. An exclusive TX lock
- D. An shared TX lock
- E. An exclusive DDL lock

QUESTION 6:

To monitor current session sort operations, you should join which two dynamic

performance views

- A. V\$SORT and V\$PROCESS
- B. V\$SORT_USAGE and V\$PROCESS
- C. V\$SORT_SEGMENT and DBA_SEGMENT
- D. V\$SORT_USAGE and V\$SQL
- E. V\$SORT_USAGE and V\$SESSION

QUESTION 7:

Dynamic SGA allocation enables the DBA to increase the size of the SGA components up to?

- A. MAX_SGA_SIZE
- B. SGA_MAX_SIZE
- C. SHARED_POOL_SIZE + BUFFER_CACHE_SIZE
- D. DB_BLOCK_SIZE

QUESTION 8:

When renaming a database, what is the correct syntax in the create controlfile command "CREATE CONTROLFILE _____ "<db_name>" ..."?

- A. rename database
- B. reset database
- C. set database
- D. drop and rename database

QUESTION 9:

Which statement below is true?

9i undo tablespace is

- A. locally managed with uniform extent size.
- B. locally managed with system managed extent size.
- C. dictionary managed with uniform extent size.
- D. none of above.

QUESTION 10:

Which type of index requires the table partition key to be in the leading portion of the index key?

- A. global prefixed index
- B. local prefixed index
- C. local nonprefixed index
- D. global nonprefixed index

QUESTION 11:

Which file is written to if all members of a redo log group are unavailable for a write operation?

- A. alert<SID>.log
- B. controlfile
- C. user trace file
- D. system tablespace data file

QUESTION 12:

Recovery operations are being performed by RMAN is called the _____ database.

- A. RMAN Repository

- B. Primary
- C. standby
- D. Target

ANSWERS:

Answer 1: A,B
Answer 3: D
Answer 5: A,C
Answer: 7 B
Answer 9: B
Answer 11: A

Answer 2: D
Answer 4: B
Answer 6: E
Answer 8: C
Answer 10: B
Answer 12: D