Appsperf 2009 E-Business Suite Workshop
Thursday May 7, 2009

9:00 AM - Keynote by Nadia Bendjedou

Nadia joined Oracle 18 years ago a sales consultant within the Oracle UK organization. Soon after, Nadia moved into the EMEA Product Management organization, with her main objective is to help customers understand the value that the technology brings to the Enterprise Applications such as Oracle E-Business Suite. In July 2001, Nadia moved to Applications Development team, reporting to Oracle Headquarter, but still with the above objective, i.e. within the product strategy and product management team. Given this role, Nadia spends lots of time covering events (i.e. OAUG, Oracle OpenWorld etc…) and any external communications on how Oracle Applications customers can prepare their enterprises for the next generation of applications, how can customers invest their effort and money in non-dead technologies to serve and bring business values today to the Oracle Applications such as Oracle E-Business Suite, PeopleSoft, Siebel and JD Edwards applications.

Nadia holds a PhD in Computer Science from England.

9:30 AM – 10:30 AM: Customer Success Stories: How to Clone a 7 Terabyte Production E-Business Suite environment in less than 30 minutes.

As IT organizations continue to streamline and improve operational efficiency in order to meet business demands and improve the company bottom line, it is important that routine operations such as cloning be streamlined and efficient. This session will present the technical details on how to minimize the end-to-end time needed to clone an Oracle E-Business Suite environment as well as used advanced technologies including compression and copy-on-write features to clone large scale environments and minimize the amount of resources including disk space needed to complete the clone.

10:30 AM – 11:00 AM Break

11:00 AM – 12:30 PM: Immediate Relief: Tune the SQL Now.

Application DBAs are often faced with a situation whereby an expensive SQL statement or set of expensive SQL statements are impacting the system, and immediate relief is needed to restore system performance while awaiting a fix from development. This session will focus on the techniques used to identify expensive SQL statements which are impacting the business, and use Oracle advanced technologies to allow the DBA to improve the performance of the SQL statement without impacting the functionality. This session will provide real-life case studies which employed Oracle advanced features to improve the performance of problematic SQL statements without having to wait for an Application code fix.

12:30 PM – 1:30 PM: Break for Lunch

1:30 PM – 3:00 PM: Sayonara To Application Server Memory Leaks and JVM Crashes

As customers increase their adoption of Oracle's web based technologies in the Oracle E-Business Suite release 11i and release 12 such as the CRM web based Applications and the OA Framework based modules, it is important to maintain the scalability and stability of the Oracle Application Server including the JVM. DBAs often deal with JVM crashes, connection leaks, cursor leaks, and other memory leaks which result in crashes and JVM instability. This session will provide a deep-dive into the Oracle E-Business Suite web technology stack including the various components such as OA FWK, JDBC, BC4J, Java Object Cache, JServ (11i), OC4J (R12), and the JVM. In addition, the session will provide tips and techniques to diagnose and troubleshoot Application Server issues as well as proactively monitor the Application Server.

Ahmed Alomari is well known in the industry for his performance expertise. He has published several books on performance tuning with Prentice Hall. He has also presented on the subject of performance tuning at numerous conferences including Oracle OpenWorld, Oracle User groups, Oracle Applications Users Group (OAUG), VLDB, SANS, and Database and Client Server World. Prior to becoming an independent consultant and starting Cybernoor Corporation, Ahmed worked for Oracle Corporation for over 10 years, and he last held the position of Vice President of the Applications Performance Group in the Applications Development Division.

Ahmed managed the Applications performance group in Applications development and he was responsible for the performance and scalability of the E-Business Suite and the PeopleSoft Enterprise applications. As part of his role managing the Applications performance group at Oracle, Ahmed led the effort to migrate Oracle Applications to the cost based optimizer (CBO), as well as adopt advanced features in the Applications product lines including partitioning, Materialized Views, OLAP, VPD, parallel execution and many others. Ahmed has also worked with hundreds of customers to adopt Real Application Clusters (RAC) in Applications environments, and he led an effort (inside Oracle) to ensure Oracle Applications is RAC aware. He has close to 15 years of performance tuning expertise with large systems.

In 2008, Ahmed became an Oracle ACE for his contributions to Applications and Applications Technology (refer to his ACE profile link for details). In 1996, Ahmed was awarded the outstanding achievement award at the VLDB summit for Operational Databases from the Winter Corporation.

3:00 PM – 3:30 PM: Break

3:30 PM – 4:30 PM: Using Oracle Advanced Partitioning to reduce cost as well as improve E-Business Suite performance and manageability.

As companies continue to implement and refine their corporate governance processes and procedures, the requirements for auditing and data retention continue to increase. In many cases, businesses are not able to purge certain documents including transactions due to the Governance, Risk and Compliance (GRC) requirements. DBAs are often faced with the scenario of "ever-growing" Application databases which impact manageability, performance, and overall operational costs. Oracle Advanced Partitioning can help address the performance, manageability and operational costs associated with ever-growing and/or very large data sets. This session will provide a deep-dive into the various Oracle partitioning options as well as provide real-life customer implementations of Oracle partitioning for E-Business Suite implementations. Oracle partitioning can significantly improve runtime performance and manageability by partitioning key objects using intelligent partition keys and advanced partitioning methods. In addition, the session will provide detailed examples on how to utilize Oracle partitioning to reduce storage costs by placing historical data sets which are infrequently accessed on lower cost storage volumes so as to utilize the high end storage volumes for the active data sets.

4:30 PM – 4:45 PM: Break

4:45 PM – 6:00 PM: Upgrade Performance

One of the key inhibitors of progressing to the next E-Business Suite rollup patch or major release is the time taken to apply the patch and its associated downtime. As businesses continue to consolidate systems and implement global services, the windows for downtime and general maintenance continue to decrease. Businesses often face a dilemma in that they require the new functionality in order to improve their business processes and overall implementation, however, they cannot afford the downtime needed to upgrade and implement these new features. This session will provide tips and techniques on how to significantly reduce the end-to-end time involved in patching as well as major upgrades including Release 12. This session will also provide real-life case studies involving release 12 upgrades and how customers used these techniques to minimize the overall elapsed time of the upgrade process.