

Exchange Session Abstracts

OPS: Data, Operations, and Management: Your Key to Success

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While data is at the heart of every business, managing the environment keeps the business running. OpenEdge data infrastructure capabilities provide data management, application management, replication, integration, business continuity functionality and so much more. Sessions in this track will give you the insight you need to make the most effective use of your environment for enhanced performance, scalability and availability. Discover tools and techniques that can help you, whether you have one database or multiple databases, in one place or multiple locations, all OpenEdge or multi-vendor.

OPS-1

DBA 101—How Healthy Is Your Database Today?

Time: Monday, 9 June, 11:00am–12:00pm

Location: Grand Ballroom A-B

Speakers: Libor Laubacher, Principal Tech Support Engineer, Progress Software
Ruanne Cluer, Principal Tech Support Engineer, Progress Software

Vital statistics on production databases are rarely monitored frequently enough to take preventative action on halting the impending crisis. This session walks you through the utilities available to monitor physical database limits, runtime memory and block checking, record validation, crucial database events that have occurred and the importance of checking the “recovery” part of your disaster recovery plan. You’ll learn how to make these checks work proactively for you.

OPS-2

OpenEdge Management in the Real World

Time: Monday, 9 June, 11:00am–12:00pm

Location: Grand Ballroom F

Speaker: Paul Koufalis, President, Progresswiz Consulting

Many of you have seen demonstrations of OpenEdge Management and understand the potential benefits, but nothing can compare to a session discussing actual production deployments at live user sites. Come and learn how to gain real value from OpenEdge Management. This session will cover the speaker’s multi-phase implementation approach and includes many helpful tips and tricks extracted from years of experience.

OPS-3

What’s New in OpenEdge 10.1 RDBMS?

Time: Monday, 9 June, 2:00pm–3:00pm

Location: Grand Ballroom E

Speaker: Richard Banville, Fellow–OpenEdge, Progress Software

In this session, you will learn about the new features available in the OpenEdge 10.1C RDBMS. We’ll show the impact that some of these new features may have on your production environment. You’ll also hear how these new features can be used to increase high availability and improve performance.

OPS-4

The Complete Database Disaster Recovery Plan!

Time: Monday, 9 June, 2:00pm–3:00pm

Location: Grand Ballroom G

Speaker: Brian Bowman, Senior Solution Engineer, Progress Software

Ever wonder how good your disaster recovery plan is for your database? In this session, you'll explore in detail a complete DR plan for your database, including how your plan measures up and how you can make your plan better. We will start with business requirements for IT and end with a complete plan. Multiple scenarios will be outlined and will include details on how to implement them and what documentation is required. You'll also get a firsthand look at common pitfalls. Whether you leave feeling better or worse about your database's ability to withstand a disaster, you'll be armed with the knowledge of how to fix what you have today.

OPS-5

DataServer Best Practices—Revisited and Revised

Time: Monday, 9 June, 2:00pm–3:00pm

Location: Grand Ballroom L-M

Speaker: David Moloney, Principal Software Engineer–OpenEdge, Progress Software

Following a short generic discussion on DataServers, we will dust off some of the traditional best practices for DataServers and apply a contemporary view of those discussed over several years of a stable product release. Learn as we analyze the client, driver, DataServer and database specifics that encourage a more disciplined approach to writing DataServer versus OpenEdge database applications. We'll discuss best practice details and some use cases.

OPS-6

A Beginner's Guide to OpenEdge SQL via ODBC or JDBC

Time: Monday, 9 June, 3:15pm–4:15pm

Location: Grand Ballroom C-D

Speaker: Brian Werne, Senior Engineering Manager–OpenEdge, Progress Software

The OpenEdge database can be accessed via standards-based SQL applications using ODBC or JDBC (for example, Crystal Reports). There are number of topics to consider including server configuration, security, optimization and ABL interoperability. This introductory session describes best practices concerning these topics. We'll discuss options to keep reports performing well and review tips concerning interoperability with the ABL.

OPS-7

Migrating Your Distributed Application from V9 to OpenEdge with (Almost) No Downtime

Time: Monday, 9 June, 3:15pm–4:15pm

Location: Grand Ballroom F

Speaker: Roy Ellis, Principal QA Engineer–OpenEdge, Progress Software

During this session, we'll guide you through a number of possibilities for upgrading your production systems running V9 and migrating them to OpenEdge 10. Did you know that you do not necessarily have to upgrade all the products and components of your system at once? Take an in-depth look at the OpenEdge distributed components, such as Fault Tolerant Name Servers and the Load Balancer, as we demonstrate their strengths and flexibility to help you migrate your distributed applications to OpenEdge with almost no downtime.

OPS-8

Alerts, Alarms, Pages and Harbingers of Trouble...

Time: Tuesday, 10 June, 8:00am–9:00am

Location: Grand Ballroom F

Speaker: Tom Bascom, Vice President of Technology Advisory Services, White Star Software, LLC

Of course you want to be paged before the users begin calling if your database crashes. But what else should you be aware of right away, as it is happening? What are the key indicators of problems and poor performance that every database administrator should be tracking? Where do

you find this information, and how can you distinguish the urgent from the mundane? Join this session to find out the answers to all these questions and more.

OPS-9

Fun with Virtualization

Time: Tuesday, 10 June, 9:15am–10:15am
Location: Grand Ballroom A-B
Speaker: John Harlow, President, BravePoint, Inc.

Virtual machines (VM) such as VMware and Parallels allow a single computer to host multiple operating system and application environments. For example, you can host a Windows XP environment on a computer running Linux or you can host a number of different versions of Linux. This can save you a lot of time and trouble when you are testing new releases of your application or when you need to use some program that hasn't been made available on the operating system you normally use. This session provides a guide to setting up and using VM Download.

OPS-10

Moving V8/V9 RDBMS to OpenEdge 10

Time: Tuesday, 10 June, 9:15am–10:15am
Location: Grand Ballroom E
Speaker: Rob Marshall, Principal Solutions Consultant, Progress Software

Moving your database to OpenEdge 10 can be quick and easy. In this session, database administrators will learn different ways to migrate their V8 or V9 database to OpenEdge 10. Discover best practices for improving the physical organization and performance of the system as part of this migration. You'll benefit from a number of very practical tips and "gotchas," including SQL optimization for performance.

OPS-11

After Imaging—New Features, Greater Flexibility

Time: Tuesday, 10 June, 10:45am–11:45am
Location: Grand Ballroom C-D
Speaker: Adam Backman, President, White Star Software, LLC

OpenEdge allows for the addition of extents to your database while it is running, and you can enable after-imaging while the database is running. All of this leads to more uptime for your database and greater flexibility in maintaining it.

This session will cover the implementation, care and maintenance of your after-image files. We'll explore the OpenEdge utility and its implementation for automating the process of archiving after-image files. For users of older versions of Progress, the session will show how to do archiving without the aid of the AI archive utility. Additionally, practical extensions of the utility will be explored, including off-site archiving, log-based replication and archive cleanup. Database administrators with some knowledge of OpenEdge after-image files will benefit from this session. In-depth knowledge is not required as the implementation of the archiver and its extension will be discussed in a manner that is simple to understand and easy to implement.

OPS-12

Caring for an Ailing AppServer

Time: Tuesday, 10 June, 10:45am–11:45am
Location: Grand Ballroom F
Speaker: Roy Ellis, Principal QA Engineer–OpenEdge, Progress Software

OpenEdge developers and end users may encounter a situation where the AppServer works fine in the development lab but has problems running at the production site. This session provides information about how an AppServer physically interacts with its OS environment and gives

examples of simple tools that you can use to understand why it is not working as expected. Walk away with a better understanding of how an AppServer operates, where to start looking for problems and what tools are available to help you.

OPS-13

Building and Deploying a Highly Available Application

Time: Tuesday, 10 June, 2:00pm–3:00pm

Location: Grand Ballroom A-B

Speaker: Brian Bowman, Senior Solution Engineer, Progress Software

High availability (HA) is not just a database thing. HA starts at development time, not deployment time. A highly available application guarantees that the business will run regardless of what happens. Whether you are an architect or database administrator, this session will help you create a successful HA environment. We'll discuss the four major application configurations and how HA fits into each. Explore building, deploying and maintaining for high availability applications. Discover best practices and worst practices for high availability as well as what tools and techniques there are today for building HA into your application. You will leave understanding how to build, deploy and maintain HA applications.

OPS-14

Effective OpenEdge Database Configuration

Time: Tuesday, 10 June, 2:00pm–3:00pm

Location: Grand Ballroom H

Speaker: Rob Marshall, Principal Solutions Consultant, Progress Software

If you are planning to migrate to OpenEdge 10.x and are unsure of what database layouts work in real life or what process is required to move to this new structure—then this session is for you. We'll cover the differences between Type I and Type II storage areas, as well as the performance impact of using these configurations. Discover the process used by our Professional Services team when they plan a database restructure.

OPS-15

What Was Happening with My Database, AppServer, Operating System. . . Yesterday, Last Month, Last Year?

Time: Tuesday, 10 June, 3:30pm–4:30pm

Location: Grand Ballroom G

Speakers: Libor Laubacher, Principal Tech Support Engineer, Progress Software
Ruanne Cluer, Principal Tech Support Engineer, Progress Software

This session covers new features of OpenEdge Management 3.1C and OpenEdge 10.1C AdminServer and how to set up EasyAsk Workshop 9.7 in order to query the trend database using natural query language and to see how your Progress services and operating system have performed over a monitored period. These queries will take full advantage of the EasyAsk natural-language search engine, so no ABL/SQL9 language knowledge is required to get answers from the performance charts. Through the demo, you'll discover the setup of an EasyAsk dictionary against an OpenEdge (Fathom) trend database and the strength of EasyAsk search and reporting capabilities. This session is designed for database administrators, system administrators, and IT managers responsible for database, application and operating system performance. Experience with OpenEdge Management and basic understanding of EasyAsk functionality is required in order to follow the session.

OPS-16

How Do I Kill Thee? Let Me Count the Ways

Time: Tuesday, 10 June, 4:45pm–5:45pm
Location: Grand Ballroom E
Speaker: Paul Koufalis, President, Progresswiz Consulting

Every day, database administrators and system administrators around the world are faced with the potentially dangerous task of killing shared-memory connected Progress sessions. If executed properly, all's well, nobody notices and life goes on. But ignorance combined with the root password could potentially lead to a database crash. This session will eliminate the myths and misunderstandings surrounding the killing of a Progress session and will detail, step-by-step, the safest method known to kill these processes.

OPS-17

Utilizing Firewalls—In the Reign of Fire

Time: Tuesday, 10 June, 4:45pm–5:45pm
Location: Grand Ballroom H
Speaker: Sasha Kraljevic, Principal Tech Support Engineer, Progress Software

Developing and implementing scalable, secure and highly available n-tier systems utilizing firewalls requires detailed knowledge of the services being implemented. Without proper configuration, firewalls can either disrupt normal operation or provide an inadequate level of security. During this session, you will get an in-depth look at the way various OpenEdge products use network infrastructure and an overview of configurable parameters used with firewall implementations. We'll examine the hurdles associated with firewall integration, offer guidance on ways to overcome these barriers and provide an overview of the technologies used to effectively manage the firewall integration with multiple services provided by OpenEdge products.

OPS-18

Data Management and Platforms Roadmap

Time: Wednesday, 11 June, 8:00am–9:00am
Location: Grand Ballroom A-B
Speaker: Tom Harris, Director of Product Management–OpenEdge, Progress Software

This session provides the roadmap and future direction for the OpenEdge RDBMS, DataServers and platform support. We'll outline the guiding concepts, explore medium-and long-term technology investigations and provide insight into your influence on the evolution of the product. We will also highlight specific changes made to the product based on input from customers.

OPS-19

What Is IPv6 and Why Should I Care?

Time: Wednesday, 11 June, 8:00am–9:00am
Location: Grand Ballroom J-K
Speaker: Peter L' Ecuyer, Principal Software Engineer–OpenEdge, Progress Software

The Internet, a global system of computer networks, is an omnipresent force in today's technological world. It is powered by the TCP/IP protocol suite, which allows vast numbers of computers to inter-operate. Internet protocol (IP) is the workhorse of connectionless network layer protocol, responsible for moving packets of information ("datagrams") from one Internet node to another. During this session, we'll discuss IPv6, the "new" version of the Internet Protocol and its implementation in OpenEdge version 10.1C. Deployment scenarios and configuration options will also be discussed.

OPS-20

Data Management and Platforms Info Exchange

Time: Wednesday, 11 June, 9:15am–10:15am
Location: Grand Ballroom A-B
Host: Tom Harris, Director of Product Management–OpenEdge, Progress Software

Join senior Progress product development and product management representatives in informal discussions that are bound to get lively. Discuss current products and near-term product plans, ask questions, and find out what we're thinking about. These moderated sessions will include very brief presentations followed by open, frank discussions.

OPS-21

Managing Multiple Sites Part-Time—A Replication and OpenEdge Management Case Study

Time: Wednesday, 11 June, 9:15am–10:15am
Location: Grand Ballroom E
Speaker: Brian Bowman, Senior Solution Engineer, Progress Software

During this session, you'll explore the implementation of OpenEdge Management and OpenEdge Replication for a U.S.-based distribution company that is one of the country's leading technology distributors specializing in emerging trends across the IT, electronics, entertainment and gaming industries. Because this company brings in 50 percent of its revenue during the final three months of the calendar year, it is critical to the company's success that its systems never experience unplanned downtime. The company chose OpenEdge Replication and OpenEdge Management to meet its 24/7 business requirements. Find out how the company implemented these applications, what hurdles it faced, how it can achieve failover locally with OpenEdge Replication and how it is successfully managing its distribution sites with OpenEdge Management.

OPS-22

OpenEdge versus the OS Security System

Time: Wednesday, 11 June, 10:45am–11:45am
Location: Grand Ballroom C-D
Speaker: Gus Björklund, Vice President of Technology, Progress Software

An essential component of any OpenEdge application's security is the OS's security system. Oftentimes this subject is a virtual black hole, from which no information escapes that can be used by OpenEdge developers and end users to enhance the application's security. This session will provide you with information about how and where OpenEdge interacts with the OS's security system. After this session, you will have a better understanding of where OS security fits into your OpenEdge application's security, how your application can benefit from it and how to get started using it.

OPS-23

OpenEdge Performance Basics

Time: Wednesday, 11 June, 10:45am–11:45am
Location: Grand Ballroom H
Speaker: Adam Backman, President, White Star Software, LLC

This session will cover the basic items needed to setup and maintain your OpenEdge database for optimal performance. The basics of operating system and database setup will be covered. The speaker will explain what items are important to focus on versus those to be ignored when setting up an OpenEdge database on all supported platforms. After this session, you will be able to make informed decisions about where to spend operating system resources and where you're better off saving them. This session is intended for a new database or system administrator, but it will include information that can be used by anyone responsible for setup and administration of an OpenEdge-based system.

OPS-24

Success with OpenEdge Replication

Time: Wednesday, 11 June, 1:30pm–2:30pm
Location: Grand Ballroom G
Speaker: Cyril Gleiman, Principal Tech Support Engineer, Progress Software

OpenEdge Replication requires careful planning and monitoring to ensure success. This session will provide current and future users of the product with the invaluable information needed to succeed. You will learn how to minimize Replication's performance impact on your production database, increase availability of your production and target databases, implement a flexible and manageable after-image extent structure, monitor and handle production and secondary databases for Replication-related problems and manage the physical and logical structure of your production and secondary database. When you leave the session, you will have the knowledge and tools you need to be successful with OpenEdge Replication.

OPS-25

Unicode and the DataServer

Time: Wednesday, 11 June, 1:30pm–2:30pm
Location: Grand Ballroom J-K
Speaker: David Moloney, Principal Software Engineer–OpenEdge, Progress Software

Unicode is being introduced into the Microsoft SQL Server DataServer. While many customers have been working to Unicode-enable their OpenEdge 10 applications since its first release, there are significant implications for doing the same with DataServers and non-OpenEdge databases. Join this session, where we will explore Unicode encoding fundamentals and then apply them to the Unicode implementation of the DataServer for the MS SQL Server. We will discuss the implementation of Unicode native to the MS SQL Server database and will consider its affect on the DataServer. Leave with a clearer understanding of what it means to "Unicode-enable" your MSS DataServer applications and how to achieve this. You will know the broader multilingual implications of Unicode for your applications. And, you will understand the nuances of the unique framework within which to achieve Unicode-enabled systems with respect to the OpenEdge Client, DataServer and the MS SQL Server database.

OPS-26

Hasta la VISTA—Everything You Wanted to Know about Progress Products on Vista, but Were Afraid to Ask

Time: Wednesday, 11 June, 2:45pm–3:45pm
Location: Grand Ballroom E
Speaker: Libor Laubacher, Principal Tech Support Engineer, Progress Software

Whether we like it or not, Microsoft Vista is being shipped with or installed on new hardware. The time has come for Progress products (OpenEdge, Sonic, DataXtend and EasyAsk) to comply with new Vista features, security restrictions and UAC. Join us for a demonstration of best practices in installing and using Progress products on (supported) Vista versions, including tricks and troubleshooting techniques for when things go wrong. This session is designed for any Progress user (OpenEdge, Sonic, DataXtend and EasyAsk) currently running or planning to use the Vista operating system.

OPS-27

Understanding Record and Table Locking in OpenEdge SQL Applications

Time: Wednesday, 11 June, 2:45pm–3:45pm
Location: Grand Ballroom H
Speaker: Brian Werne, Senior Engineering Manager–OpenEdge, Progress Software

Join this session to learn how OpenEdge SQL implements record locking and table locking for applications. Understand isolation levels and how they affect record locking. See SQL syntax that influences and reduces the amount of locks required to execute queries. Understand strategies

for handling lock contention with OESQL clients. Learn how to implement strategies for minimizing lock contention and maximizing OLTP application performance. We'll provide code examples using JDBC that demonstrate how to implement strategies described for reducing and handling lock contention. Application developers who use OpenEdge SQL, JDBC or ODBC should attend.

OPS-28

A New Spin on Some Old Latches

Time: Wednesday, 11 June, 2:45pm–3:45pm

Location: Grand Ballroom L-M

Speaker: Richard Banville, Fellow–OpenEdge, Progress Software

In this advanced internals session you will learn how the OpenEdge RDBMS protects critical sections of shared resources and how this activity can be monitored and tuned. In addition, we'll discuss, in detail, recent advancements in these mechanisms. Advanced users who monitor performance and watch for bottlenecks in their OpenEdge database won't want to miss this one.