

# What's Next for OpenEdge

A Glimpse Into The Future

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# 1984

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- The 6<sup>th</sup> Annual Comdex (Computer Distribution Exposition) was held in Las Vegas in November 1984
- The event attracted over 81,000 attendees
- What software companies from 1984 continue to exist today?



# Happy Birthday OpenEdge!

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<b>Enhanced Application Development</b>	<ul style="list-style-type: none"><li>▪ Delivering the Best Mobile &amp; Web Development experience for OpenEdge Applications</li><li>▪ New Community &amp; Collaboration capabilities within the development lifecycle</li></ul>
<b>Business Productivity</b>	<ul style="list-style-type: none"><li>▪ Continually improving Business Process Management &amp; Business Rules Management</li><li>▪ Language and platform components to accelerate development and minimize operational costs</li></ul>
<b>Operating @ Cloud Scale</b>	<ul style="list-style-type: none"><li>▪ Horizontal table partitioning to allow applications to handle large data volumes</li><li>▪ Improved performance of admin utilities to minimize downtime</li><li>▪ Support for on-line operations and changes</li><li>▪ Cloud-oriented database capabilities for elasticity &amp; unlimited compute</li></ul>

# Progress OpenEdge 11.4 Recap

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# Progress OpenEdge 11.4 Themes

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- Improved **data availability and increased maintenance** options for applications using the OpenEdge Database
- Improved ability to execute unit code testing in support of more **AGILE development methodologies**
- Improved **Mobile App Development Tooling**:
  - Offline Management
  - Enhanced User Experience, additional plug-ins, new templates, new Session and Submit services
  - Bringing together web and mobile application development for the future
- Tighter integration/alignment with **Progress Pacific** – including Rollbase and Corticon

## 11.4 Key Features

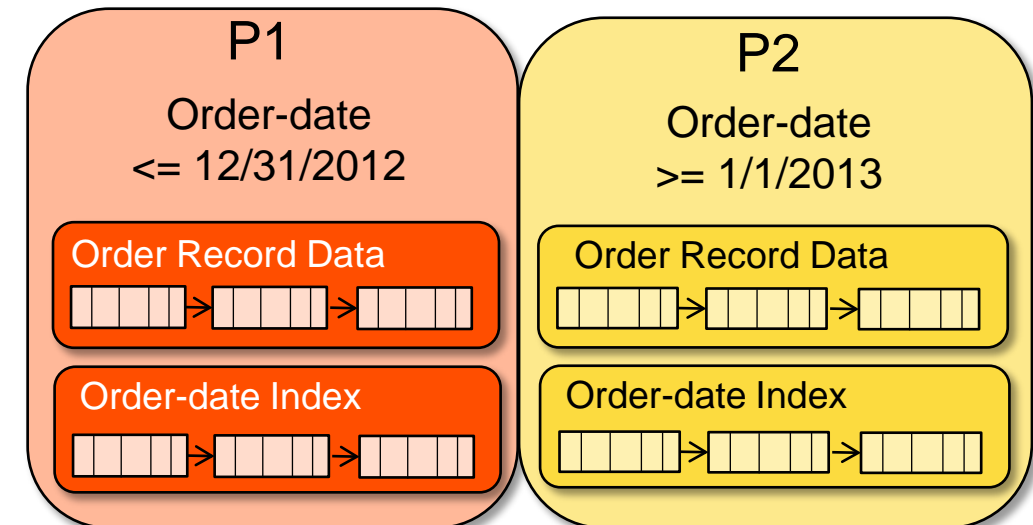
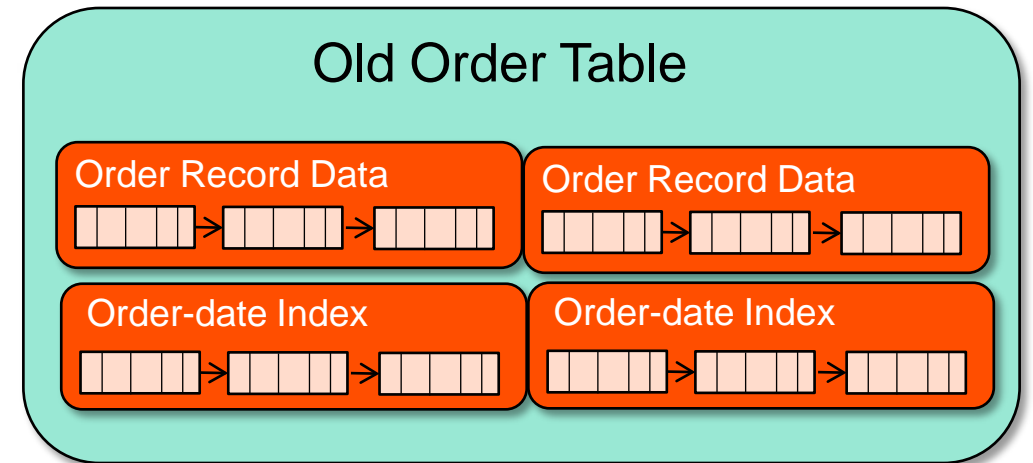
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Feature	Benefit
Table Partitioning	Design a physical database layout based on specific data values or ranges, improving data availability and maintenance while lowering cost
ABL Unit Testing framework	Allows developers to identify bugs in the code, to write modular & loosely-coupled code, to make code changes, and to test code in parts
OOABL Improvements	OOABL pass remote objects from Client to/from AppServer
OpenEdge REST Administration	Improved REST invocation information, and Securing REST applications using Security Assertion Markup Language (SAML)
64-bit Web Client	OpenEdge now supports a 64-bit Web Client
Mobile Express JSDO templates & Push Notification Services	Create new express Mobile projects with JSDO services; Send/push a notification to smart devices for later delivery
BPM Improvements	Longchar support, Corticon and MS SharePoint Adapter

# Overview: Table Partitioning

## What is it...

- Tables stored in multiple, self-contained locations
  - Typically used in OLTP databases
  - Based on configurable keys
- Set up for use by a DB Administrator
  - No coding changes required





# Table Partitioning Features

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- Create “named” data-partitioned storage based on column value
  - Table partition based on a single value (List Partitioning)
  - Table partition based on a value range (Range Partitioning)
  - Sub-partition partitioning
    - Combination of multiple list and/or range partitioning on the same table
  - Composite partitioning
    - Multiple partition definitions with storage in the same physical partition
    - Table partition based on multiple values in a single column
    - Initially supported for migration only
- Partition-level pruning for queries
- Partition-level locking (administrative operations)
- Partition-aware utilities

# Table Partitioning Summary

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## Partition Types

- List Partitioning
- Range Partitioning
- Sub-partitioning
- Composite Partitioning

## Indexing Support

- Global Index
- Local Index (aligned)
- Composite
- Automatic pruning

## Migration

- In-place migration
- **No application changes**
- List and range migration

## Maintenance

- Existing Object-level utilities made partition aware

## New Maintenance

- Truncate / Delete
- View / Rename
- Split / Merge

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# OpenEdge Available Resources

## Solution Overviews

**PROGRESS OpenEdge**  
**BUSINESS PROCESS MANAGEMENT (BPM)**

**PROGRESS OpenEdge**  
**TABLE PARTITIONING: IMPROVED DATA AVAILABILITY AND MANAGEABILITY**

**PROGRESS OpenEdge**  
**MODERNIZING AND PROCESS-ENABLING YOUR PROGRESS' OPENEDGE' BUSINESS APPLICATIONS**

## Presentations

**Table Partitioning**

Dealing with a manageable slice of the pie

By an Boeman  
OpenEdge Product Management

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## eBooks

**EMBRACING OPPORTUNITIES WITH SAAS**  
A HANDBOOK FOR PROGRESS SOFTWARE VENDORS

**SPARKING INNOVATION**  
HOW PROGRESS' OPENEDGE' CAN POWER YOUR BUSINESS

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## White Papers

**SELECTING TABLES FOR PARTITIONING**

**PROGRESS Rdbbase**  
**LEVERAGING YOUR SYSTEMS OF RECORD FOR RAPID APPLICATION DEVELOPMENT**

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Collateral posted on [Progress.com](http://Progress.com), and [Community Pages](#)

Progress OpenEdge:  
Looking to the Future

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## Disclaimer

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This roadmap is for informational purposes only, and the reader is hereby cautioned that actual product development may vary significantly from roadmaps

This roadmap may not be interpreted as any commitment on behalf of Progress, and future development, timing and release of any features or functionality described in this roadmap remains at our sole discretion

# OpenEdge 11.5 Release Description

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## ■ **Improved scalability and management of ABL applications**

- Cloud-friendly, standards-based infrastructure
- Multi-session AppServer, improving resource utilization and lowering the total cost of ownership
- An alternative to but not a replacement for the existing/classic OpenEdge AppServer which is based on 20 year old technology
- Utilizes the common Pacific AppServer with simplified application management, alone or in multi-product deployment scenarios

## ■ **Enhance Table Partitioning production-deployment capabilities**

- Partition-specific and online features: index activate, deactivate, and corruption check, read-only partitions, etc.
- The key objective is to remove possible barriers to adoption and to maximize Table Partitioning adoption/revenue

## 11.5 Release Description: Additional Features

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- Additional Table Partitioning features
- OpenEdge GUI Enhancements
- Upgrade to current DataDirect Wire Protocol – MS SQL Svr DS
- 32-bit & 64-bit Installs on same machine
- Ability for Pacific A/S to Execute WebSpeed CGIIP
- JSDO Catalog Generation Without a Mobile App
- Support for ABLDoc
- OE BPM: Adapter for Rollbase, Multi-language Support in Email Adapter, Clustering Support
- Custom Media Types for Browser UI calls via REST
- Additional features time and resource permitting



# 2014-2016 Progress OpenEdge Priorities

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## Operating @ Cloud Scale

- Table partitioning utilities, administration utility performance increases, and support for online operations minimizes downtime and supports very large volumes of data
- Improved large data volume support
- Automated elasticity & scale-out capability
- Simplified session management
- Improved complex SQL query performance with reduced memory consumption
- Data & performance governors
- Pacific AppServer for OpenEdge - improved scalability and performance; support automated session context management
- WebSpeed support by Pacific AppServer
- Enhanced REST performance
- Enhanced monitoring and management capabilities
- Seamless failover and fail-back
- Generic Java Message Service (JMS) Adapter
- DataDirect Connect ODBC/JDBC for OpenEdge

# 2014-2016 Progress OpenEdge Priorities

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## Enhanced Developer Experience

- Unified Mobile/Web app dev environment
- Integrated Mobile debugger
- Mobile-optimized UI generation
- Windows Phone 8 support
- Mobile UI External Library Support
- Customer app dashboard for Mobile Apps
- Native ABL editing support in Rollbase
- Enhanced OpenEdge Service for Rollbase
- Additional DataDirect Cloud data source support
- Support for calling REST services (REST-OUT)
- OOABL Serialization & Reflection
- Remote Class invocation for AppServer
- ABL Regular Expression support
- Enhanced Code Refactoring
- Code coverage analysis & Profiling
- Support of distributed team development repositories
- Simplified OpenEdge upgrade process
- Support for multiple OE versions on a single machine

# 2014-2016 Progress OpenEdge Priorities

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## Business Productivity

- OE BPM support for BPMN 2.0 modelling constructs
- Clustering support for OE BPM Servers
- Enhanced OE BPM debugging capabilities
- Support for multi-tenant BPM processes
- Performance enhancements for OpenEdge BPM integration & Rules (Corticon)
- Community forums & discussion threads integrated into the development workflow
- Community as a Service allowing developers to embed community features into applications
- Generate Easy! templates automatically from OpenEdge applications

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