

OpenEdge Technologie Webinare

Webinare 2020



OpenEdge 12.2

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OpenEdge Technologie Webinare in DACH

Termin	Titel	Beschreibung
21. April	OpenEdge 12.2	Am 2. April 2020 wird OpenEdge 12.2 freigegeben. Ein Überblick über die Neuerungen, unter anderem zur Performance der ABL, der Datenbank und der DataServer und dem neuen Product Lifecycle.
19. Mai	SQL und Co.	Der Zugriff auf Anwendungsdaten für Analyse und Reporting ist ein zentrales Thema. Wir möchten die Werkzeuge und Schnittstellen, die OpenEdge zur Verfügung stellt, im Überblick vorstellen.
16. Juni	OpenEdge Schnittstellen für Web und Mobile Apps	Der Progress Application Server für OpenEdge bietet universelle Schnittstellen für den Zugriff von Webanwendungen und Apps auf die server-seitige OpenEdge Anwendung. Welche Optionen stehen Ihnen zur Verfügung?
8. Juli	Continuous Integration und Continuous Delivery für OpenEdge	Für den Prozess der Software-Erstellung (Build Process) mit OpenEdge stehen Werkzeuge zur Automatisierung zur Verfügung. Das gilt auch für die Auslieferung von Updates in den Progress Application Server für OpenEdge. Diese Webinar gibt einen Einblick in die Möglichkeiten.
15. September	Web-FrontEnds erstellen mit UniteUX	Progress UniteUX ist ein Werkzeug zum schnellen Erstellen von Responsive WebAnwendungen. Wir stellen den Stand der Entwicklung vor.
6. Oktober	Authentifizierung und Autorisierung mit PASOE	Der Progress Application Server für OpenEdge (PASOE) verwendet bekannte Technologien, um Authentifizierung und Autorisierung zu implementieren. Sie arbeiten auch gut mit externen Komponenten wie LDAP Directory Servern und Secure Token Servern zusammen. Ein Einstieg ins Thema.

Diese Termine können sich ändern. Aktuell immer hier auf der Homepage der Webinar-Serie.

<https://www.progress.com/campaigns/de/openedge/technologie-webinare-2020>

Weitere Webinare: <https://www.progress.com/campaigns/openedge/oe-emea-openedge-live-talks-webinar>

Agenda

- New Product Lifecycle
- OpenEdge 12.2 (12.x) Features
- Key Changes
- New Communication Channels

New Product Lifecycle

Terms

- Releases
- Service Packs and Hot Fixes will become „Updates“.

Terms	Description	Notes
Releases	contain important new product features and enhancements along with bug fixes.	<ul style="list-style-type: none">• The distinction between Major and Minor releases is no longer in place.
Updates	are used for the resolution of critical product issues with a CVSS score ≥ 9 . (Common Vulnerability Scoring System, https://www.first.org/cvss) Updates will never deliver new features.	<ul style="list-style-type: none">• Updates are cumulative, installed like Service Packs and made available to all customers with a current Maintenance agreement.• Adhere to much stricter standards regarding backward compatibility and release stability.• Delivery timeline and content of every Update is always at the discretion of Progress.

See for details: <https://docs.progress.com/bundle/OpenEdge-Product-Lifecycle/resource/OpenEdge-Product-Lifecycle.pdf>

Channels and Phases

Two Release Channels

- **Common Releases:** For customers seeking a faster pace of innovation and change, providing new features ready for production use. (Referred to as Non-LTS Release)
- **Long Term Supported (LTS) Releases:** Adopted by customers who primarily look for stability and minimal change for a deployed application over the course of many years.

LTS Selection

- Each Release is by default non-LTS, and some will get selected for LTS release.

Release Phases

- Common Releases: Active, Retired.
- LTS-Releases: Active, Sunset and Retired

Timeline Common (Non-LTS) Releases

Disclaimer

- All details regarding durations are subject to change without notice.

Active: 6 Months

- Will retire as soon as the next Release becomes generally available.

Retired

- Will provide support, but no updates whatsoever.

Beta-Releases / Early Adopter Program

- Join the OpenEdge CVP for such early access.

Timeline LTS Releases

Active: Five Years

- Actively monitoring customers' experiences, looking for a representative set of confirmed production deployments.
- Once this evidence is collected, Progress will announce the start of the **five** years countdown to the release Sunset (*Target Sunset Date*).
- Scheduled and on-demand updates with security and bug fixes.

Sunset: Three Years

- An LTS release will enter the Sunset Phase once both following conditions are met: The Target Sunset Date is reached and a newer LTS release is generally available.
- Less frequent scheduled and on demand updates.

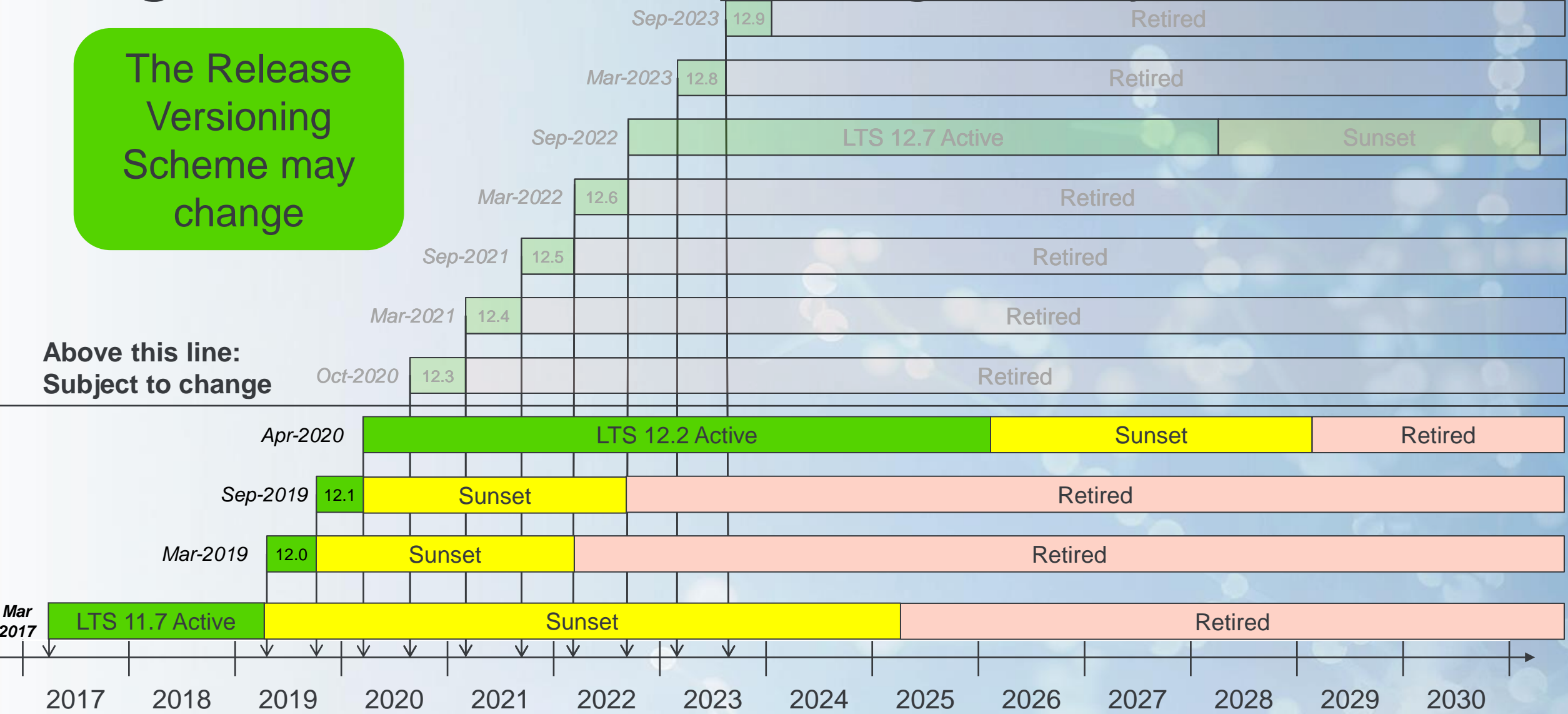
Retired

- includes the possibility of an Update at the discretion of Progress and for a fee (based on an assessment of the effort required by Progress), only for the first year of the Retired Phase.

Migration to the new OpenEdge Lifecycle

The Release Versioning Scheme may change

Above this line:
Subject to change



Attributes Available for Each Life Cycle Phase

	Active		Sunset	Retired
	LTS	Non-LTS		
Updates	•	•	•	-
Certify new third-party product version	•	•	•	-
Port to new platform	•	-	-	-
Sales to new Direct Customers	•	•	-	-
Sales to ISVs for new Customers	•	•	•	-
License quantity increases	•	•	•	•
Lifetime Technical Support ¹	•	•	•	•

For information about Progress Support Services please refer to <https://www.progress.com/support/openedge> .

OpenEdge 12 Features

Delivered in March 2019



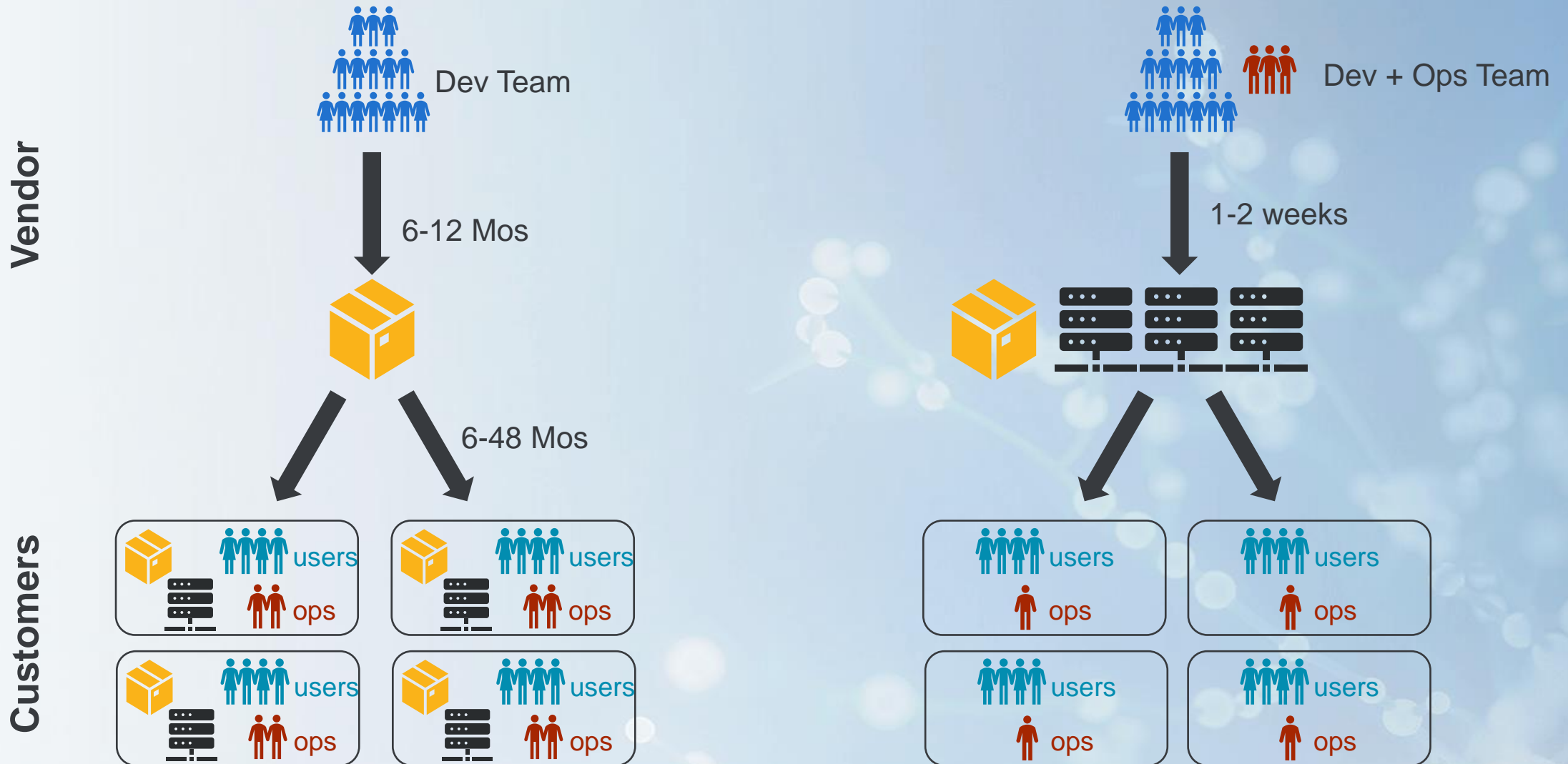
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Powerful. Available. Exceptional.



On-Premises Software

Cloud Software



Main Goals of OpenEdge 12.x Development

- ❑ Support Deployments into Hosting Center and Cloud Environments.
- ❑ Support integration with common Operation Tools (Management and Monitoring).
- ❑ Reduce the need for Downtime, more Online Administration.
- ❑ Provide higher Performance, Scalability and Resilience.
- ❑ Higher Developer Productivity by support for best practices CI/CD Infrastructure.
- ❑ Improve OpenEdge features by proven customer use-case.
- ❑ Keep security-relevant components up to date.

Continuous Operations in 12.2



111

New Online Parameters
Since 11.7

Less need for downtime

More DB Online Changes

- -n, -B, -Mn, -L, -Aibufs, -spin, etc.
- Schema Changes such as add and activate Index Online; Field Rename; Create, Update and Delete Triggers.
- VST_dbParams, Promon, proutil increaseto.
- Client polls for Schema Changes while connected.

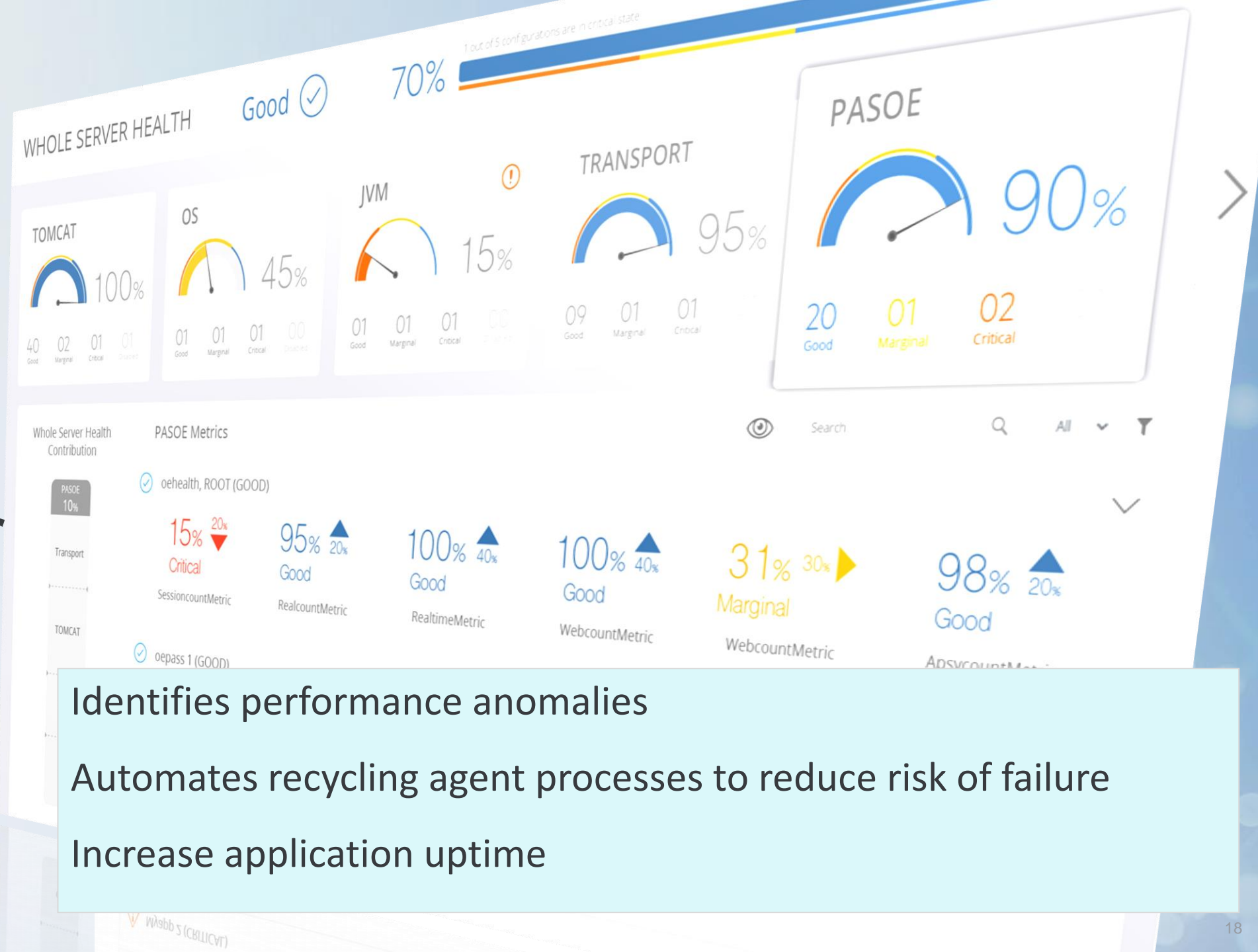
Online Application Update

- Deployment of application changes to PASOE while Agents keep running.

Automatic Client Reconnect

- Client Autoconnect with OpenEdge Replication and alternate DB Set.

PAS for OpenEdge HealthScanner



Identifies performance anomalies

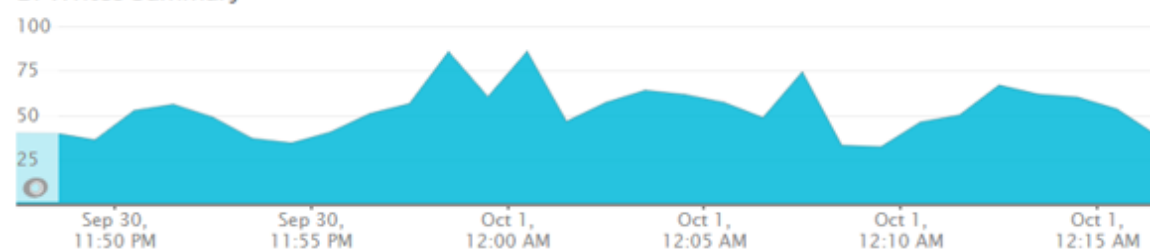
Automates recycling agent processes to reduce risk of failure

Increase application uptime

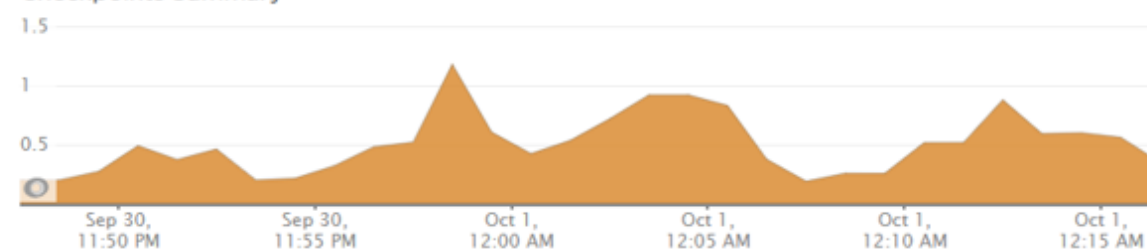
OpenEdge: Service and Data Integration

New Relic Managing OpenEdge DB

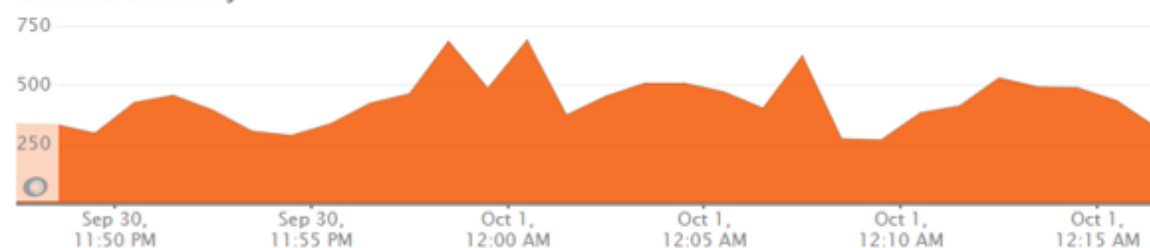
BI Writes Summary



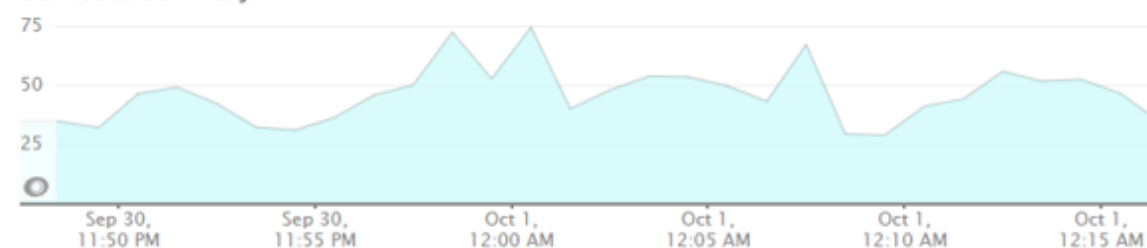
Checkpoints Summary



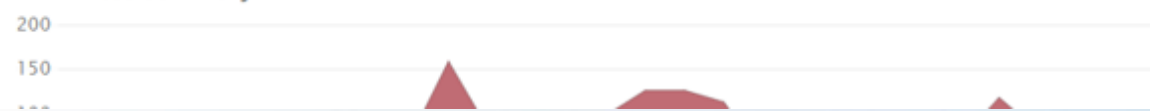
Commits Summary



DB Reads Summary



DB Writes Summary

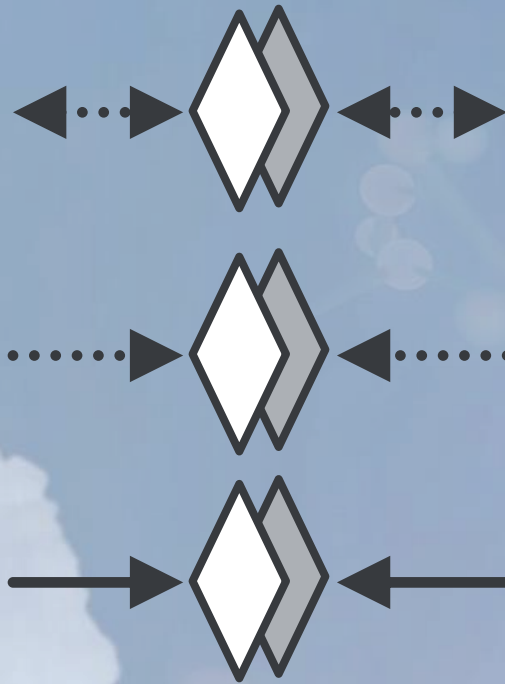


Flushed Activity Summary



OpenEdge: Performance and Scale

Server-Side Joins



12.2: Dynamic Queries
(*non-FORWARD*)

12.1: Dynamic Queries
(*FORWARD*)

12.0: For-Each Queries

The Power of 12.0

Up to **3x**

throughput versus 11.7
in N-tiered deployments

*Your results may vary depending on
architecture and use-case*

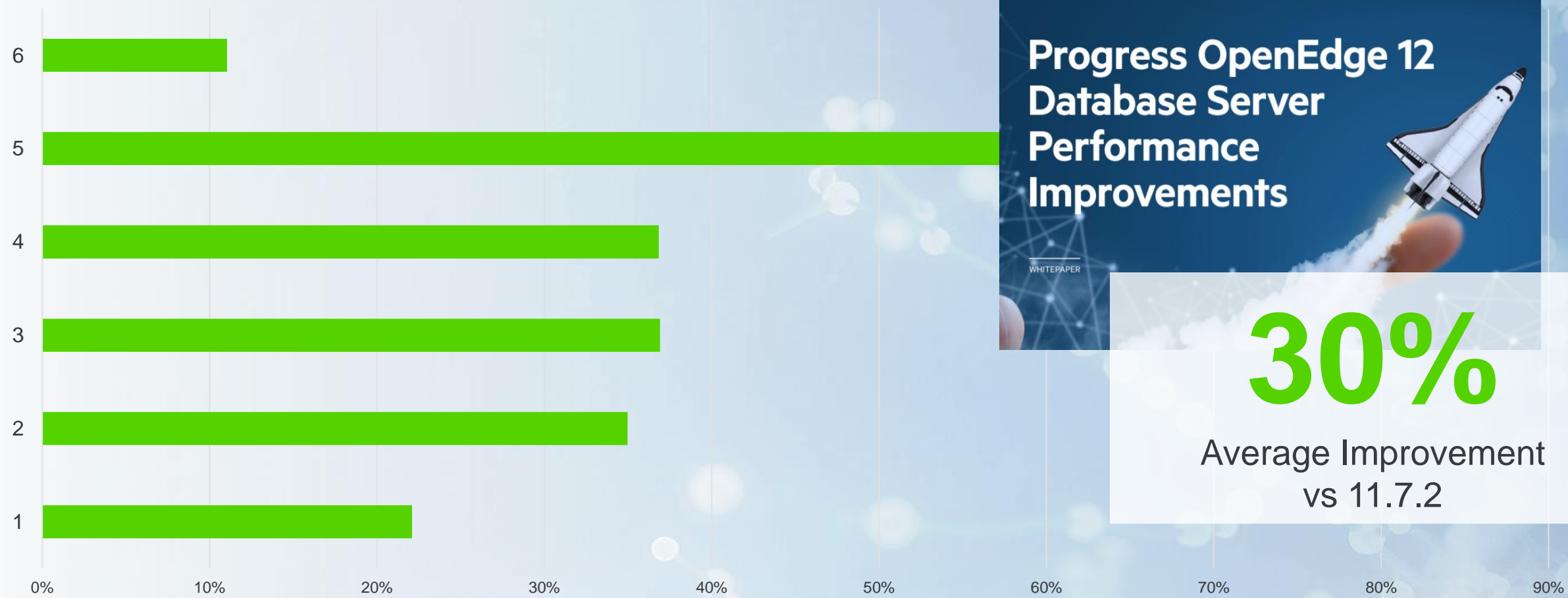
Transaction Time Comparison

(milliseconds, lower is better)



DataServer Performance Improvements

DataServer Optimizations "Time Saved"



30%

Average Improvement
vs 11.7.2

OpenEdge: Performance and Scale

ABL Language

+24%

(@customer)



General Memory Management Improvement

Particularly effective when allocating large numbers of datasets and temp-tables



Large Object Allocation/Deallocation

New allocator for LONGCHAR, MEMPTR, BLOB, and CLOB on Windows



Dynamic Query Preparation

Caching improvements that impact networked database connections

+15%

(@customer)



OOABL Object Instantiation with Datasets


Reusable object cache extends to objects with Datasets and Events



PASOE AVM Performance (12.2)

For CPU-intensive operations, parity of performance vs. AVM clients

OpenEdge Containers on the Docker Hub



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Most Popular

Progress Application Server (PAS) for OpenEdge DOCKER CERTIFIED

By Progress Software Corporation • Updated 18 days ago

Progress Application Server (PAS) for OpenEdge is a platform that provides Web server support for OpenEdge applications.

Container

Docker Certified

Linux

x86-64

Application Infrastructure

Base Images

Progress OpenEdge RDBMS

By Progress Software Corporation • Updated 18 days ago


The Progress OpenEdge RDBMS is a relational database that lies at the core of the Progress OpenEdge application development ...

Container

Linux

x86-64

Databases

 Progress®

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Happy Developers Build the Best Apps

Developer Productivity in 12.2

- PDSOE Unified Build and Packaging Framework (UBPF)
Gradle plugin for supporting CI/CD Pipelines
- Easily create and deploy new deployment packages for PASOE with an ant-based deployment automation (OpenEdge Archive Deployment)
- OpenEdge DB in a Docker Container for ABLUnit Testing
- New (OO)ABL Language features

Incredible New Capabilities

Over 200 New Features Since 11.7



Logging

Deferred Logging
in PASOE

Tenancy Logging
in PASOE

Unified Logging for
PASOE Containers



Performance

Extend and Fix Variable
Length Extents

Optimized Default
DB Startup Params

AI File Streaming
for Rapid Failover



Productivity

Lightweight Install for
Client-Networking

Server-side ABL
Performance Profiling

Management REST
APIs w/Swagger

Key Changes

Key Changes

OpenEdge PAG

- See OpenEdge® 12 Platform & Product Availability Guide (PAG) as of March 29th, 2020 (or more current)
- <https://docs.progress.com/bundle/OpenEdge-12-Product-Availability-Guide/resource/OpenEdge-12-Product-Availability-Guide.pdf>

Java

- Migration to Java 11
- JDK needs to be installed first
- Can get updated independently of the OpenEdge

Support for 32-bit GUI Client Applications

- See PAG and <https://knowledgebase.progress.com/articles/Article/How-to-compile-and-run-an-OpenEdge-application-with-32-bit-OCX-using-OpenEdge-12>

Other

- PDSOE: Update to Eclipse 4.13
- Plugin-Updates, Support for new OS Versions, etc.

Participate!

Welcome to the New Progress Community

Mingle with other Progress customers, partners and employees and find the answers to any challenges you may face.

Discussions

Share and discuss your challenges, best practices and successes

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Collaborate with Progress developers, customers and partners

EXPLORE

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Get the support you need to resolve your issues quickly

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Installers, fixes and upgrades for all your Progress products

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Browse different articles that answer many commonly asked questions

EXPLORE

Product Documentation

Find technical documentation, whitepapers, webinars and other valuable resources

EXPLORE

Enhancement Requests

Submit your ideas for new features and capabilities

EXPLORE

Progress Notifications

(PANs) Get critical product alerts and notifications for updates, bugs, fixes

EXPLORE

<https://community.progress.com/s/>



Archive of former Progress Community Discussions

We have moved our Community Portal.

We have moved our Community Portal since April 20, 2020, but you can still access past discussions by searching within each topic. The New Community portal provides more resources and better interaction with other Progress users.

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Community Archive Index

<https://community-archive.progress.com/>

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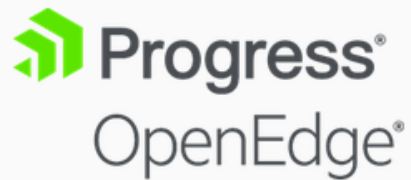
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OpenEdge Ideas

Your portal to submit new ideas (enhancement requests) for Progress OpenEdge. Anyone can submit and vote on ideas, and these will be reviewed and prioritized by the Product Management team. If you submitted or subscribe to an idea, you will get automatic email notifications of comments and significant status changes.

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FILTER BY STATUS

[New](#) 19

[Under review](#) 214

[Already exists](#) 11

[Will not implement](#) 332

[Future consideration](#) 85

[In progress](#) 8

[Shipped](#) 13

FILTER BY CATEGORY

[Application Server](#) 7

[BPM](#) 12

[Development](#) 381

[Install and Deployment](#) 50

[OpenEdge Database](#) 200

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VOTE

Complete OO functionality in ABL

Currently there are quite some OO features missing in ABL that are common in other OO languages like Java or C#. An extended list of wanted features is available at <http://www.oehive.org/oowishlist>, but I would like to repeat some here which I thin...



Created 6 months ago by Lieven De Foor
Development

[In progress](#)[0](#)**19**

VOTE

Add server-side join support for open query statement (static query)

We would like to have SSJ support for static queries (using the open query statement) like: DEFINE QUERY q1 FOR Customer, order SCROLLING.OPEN QUERY q1 FOR EACH customer NO-LOCK, EACH order OF customer NO-LOCK.



Created about 2 months ago by Heino Vander Sanden
Other

[In progress](#)[0](#)**69**

VOTE

Unused Code

Provide optional compiler warnings for variables and properties which are not referenced in the compile unit. There is another Idea posted with similar ask here <https://progresssoftware.aha.io/ideas/ideas/OPENEDGE-I-693> Variables and properties that...

<https://openedge.ideas.aha.io>

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OpenEdge CVP <https://community.progress.com/s/group/0F94Q000000HakDSAS/openedge-cvp>

Questions?

