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2022 Annual OpenEdge Product Roadmap Survey

REPORT

Your voice is shaping the future of OpenEdge.

The Annual OpenEdge Product Roadmap Survey is designed to obtain direct feedback from our everyday product users to hear more about their experiences with OpenEdge. The OpenEdge team received excellent feedback on the product's path forward from our most recent survey in 2022, which had 321 responses from countries worldwide across multiple distinct industries.

Argentina	Croatia	India	New Zealand	South Africa
Australia	Czech Republic	Ireland	Norway	Spain
Austria	Estonia	Italy	Portugal	Sweden
Belgium	Finland	Lithuania	Romania	Switzerland
Bulgaria	France	Mexico	Sao Tome & Principe	United Kingdom
Canada	Hungry	Netherlands		United States of America

Why does your voice matter in the Annual OpenEdge Product Roadmap Survey?

As someone who is closely involved with leveraging the OpenEdge platform, your opinion matters. The OpenEdge team takes the feedback collected from the survey and works to improve the product in response to customer demands.

The survey also invites survey respondents to weigh in on the applicability, relevance, and value of some of the proposed improvements under consideration by the OpenEdge team. Participants in the survey have interacted with OpenEdge in various capacities over the years, and you have the knowledge and experience to help make the product better.

About The Survey
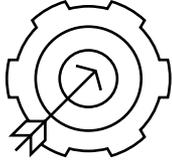
Purpose

Gain deeper insights into the utilization of OpenEdge

Solicit input from customers to inform the future Roadmap & guide OpenEdge R&D priorities
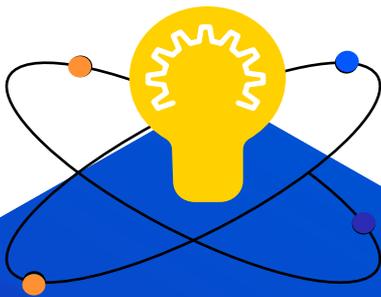
Discover new trends and unmet needs

Logistics

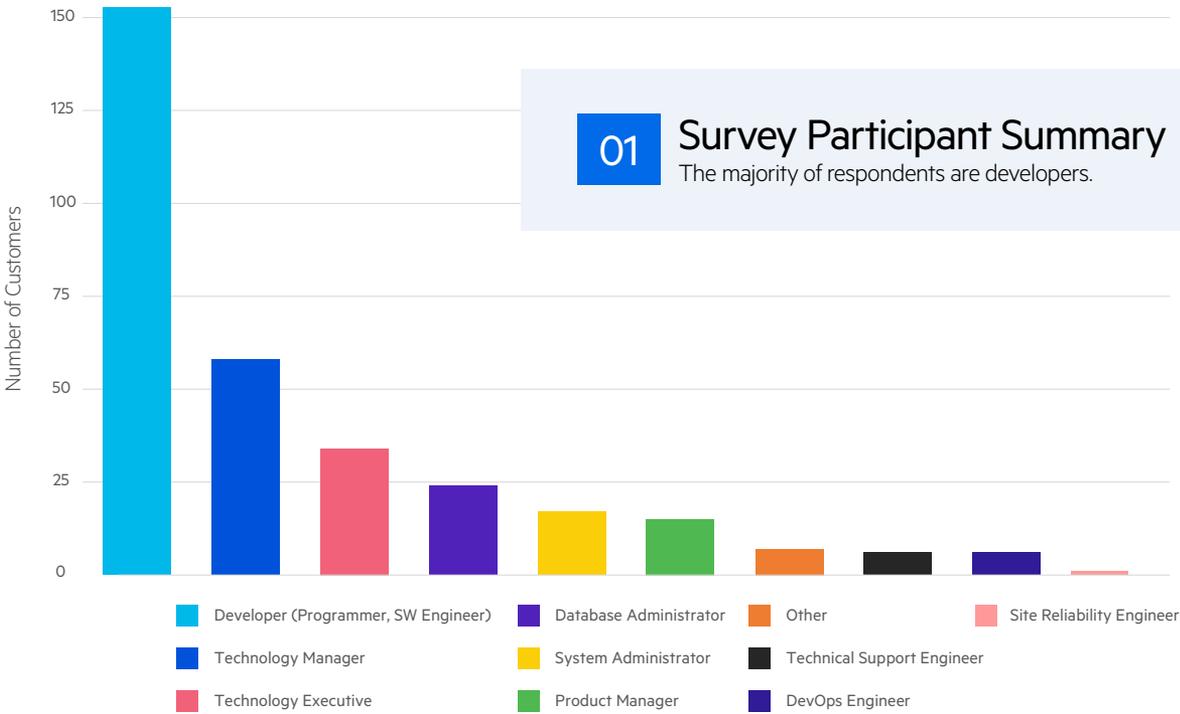Survey began August 25 and closed November 11, 2022

Results

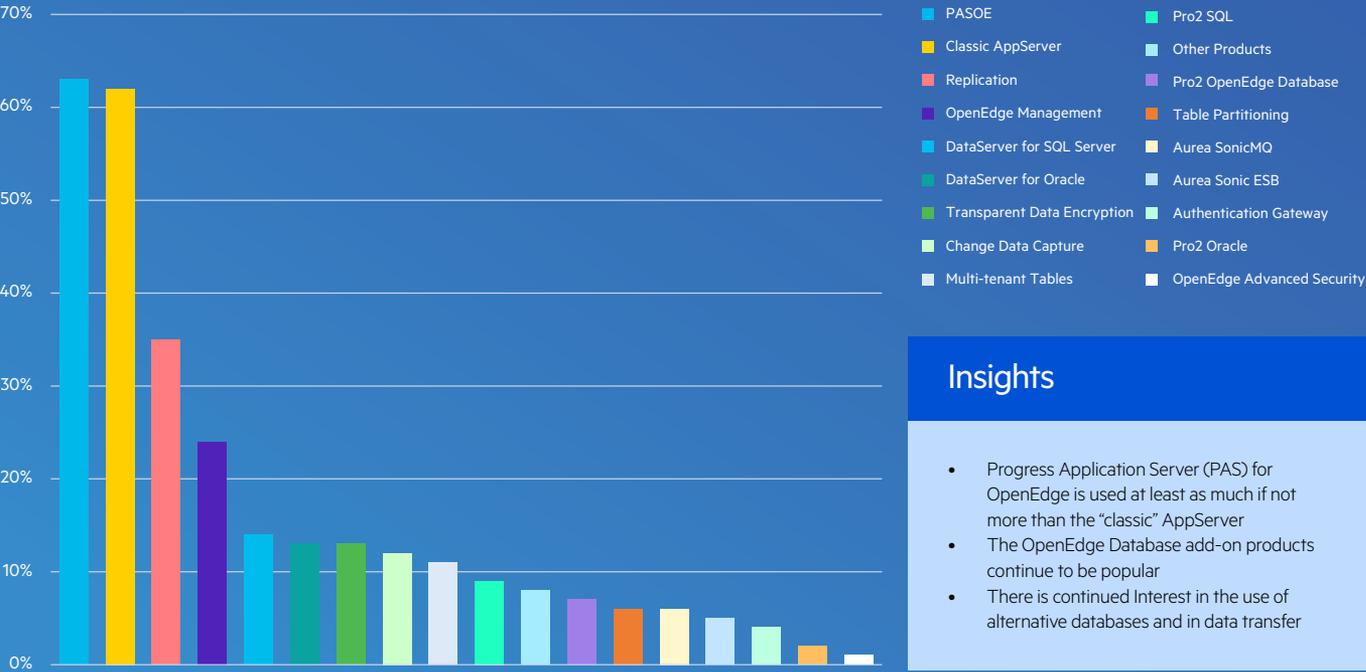321 individuals responded - **Thank You!**

Key findings from the 2022 OpenEdge Product Survey

01 Survey Participant Summary
The majority of respondents are developers.

Number of Customers

Legend:
- Developer (Programmer, SW Engineer)
- Technology Manager
- Technology Executive
- Database Administrator
- System Administrator
- Product Manager
- Other
- Technical Support Engineer
- DevOps Engineer
- Site Reliability Engineer

02 Products Used in Production
A key trend is the migration to Progress Application Server (PAS) for OpenEdge.

Legend:
- PASOE
- Classic AppServer
- Replication
- OpenEdge Management
- DataServer for SQL Server
- DataServer for Oracle
- Transparent Data Encryption
- Change Data Capture
- Multi-tenant Tables
- Pro2 SQL
- Other Products
- Pro2 OpenEdge Database
- Table Partitioning
- Aurea SonicMQ
- Aurea Sonic ESB
- Authentication Gateway
- Pro2 Oracle
- OpenEdge Advanced Security

Insights

- Progress Application Server (PAS) for OpenEdge is used at least as much if not more than the "classic" AppServer
- The OpenEdge Database add-on products continue to be popular
- There is continued Interest in the use of alternative databases and in data transfer
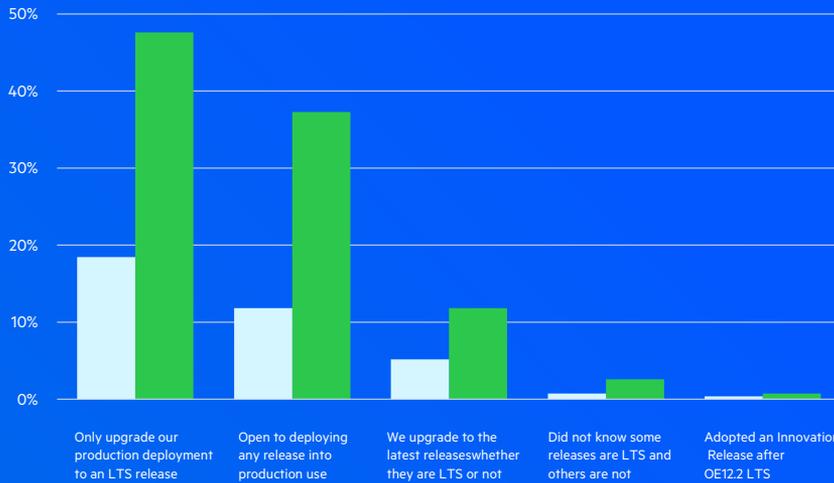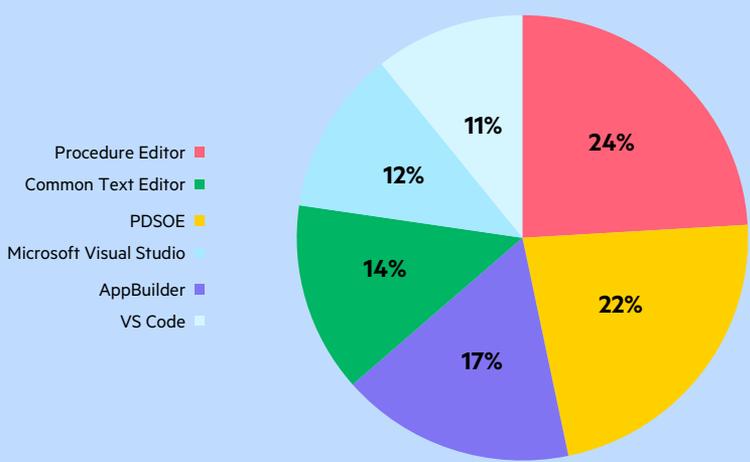
LTS vs Innovation Releases

The majority of respondents are developers. About half of the customers are open to adopt Innovation Releases (about 20% actually adopt.)

- Managers and Executives
- All

Chart categories:
- Only upgrade our production deployment to an LTS release
- Open to deploying any release into production use
- We upgrade to the latest releaseswhether they are LTS or not
- Did not know some releases are LTS and others are not
- Adopted an Innovation Release after OE12.2 LTS

OE Release Adoption – Ideal Timeframe

The majority of respondents are interested in upgrading to OpenEdge more frequently and would like to adopt a new release within 3 months.


Chart categories: Under 1 Month, 1-3 Months, 4-6 Months, 7-9 Months, 10-12 Months, Over 12 Months

- 2020 Survey
- 2021 Survey
- 2022 Survey

- Procedure Editor — 24%
- Common Text Editor — 14%
- PDSOE — 22%
- Microsoft Visual Studio
- AppBuilder — 17%
- VS Code — 11%, 12%

Development Tools Used

The legacy Procedure Editor and AppBuilder continue to be used stand-alone, even though they are available in PDSOE.

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Development Tool Features

The majority of respondents say that the most prominent preference is for code analysis.

Percentage of Responses
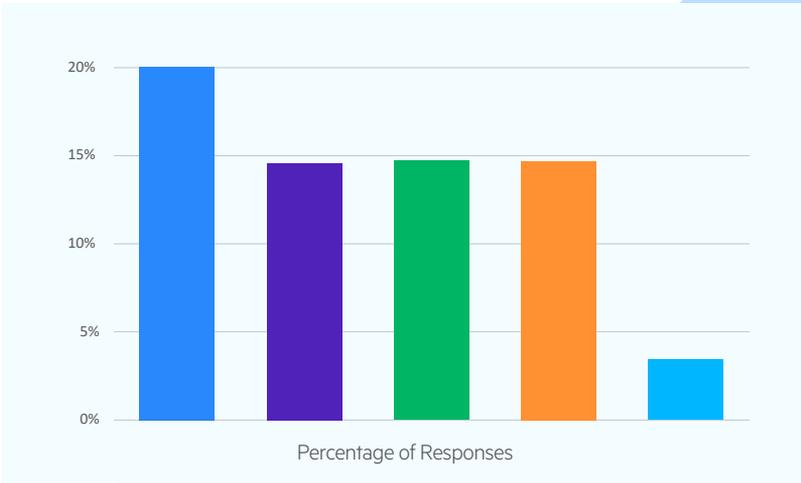
- **Code Analytics for code organization and interdependencies**
- **Intelligent code refactoring**
- **Development in the IDE of your choice**
- **Profile and visualize memory allocation**
- **Other**

DevOps Activities

The overwhelming responses relate to updating the Database schema.
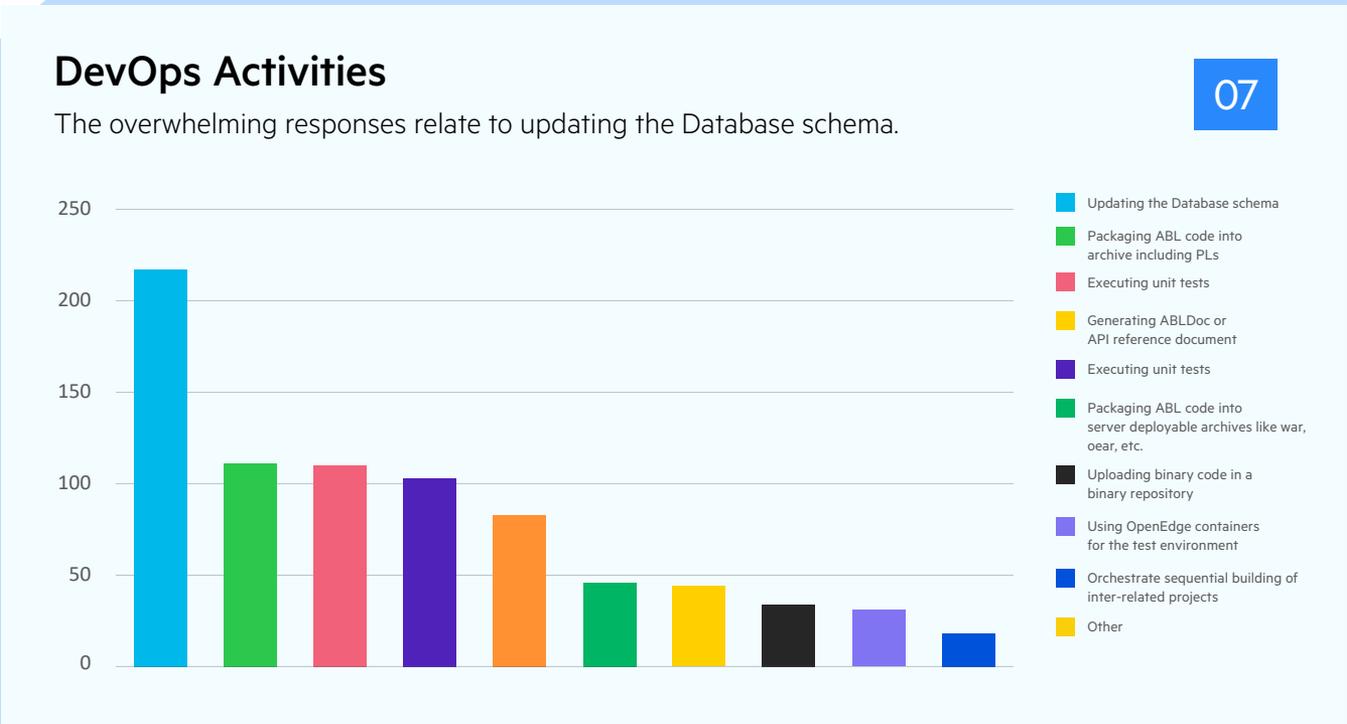
- Updating the Database schema
- Packaging ABL code into archive including PLs
- Executing unit tests
- Generating ABLDoc or API reference document
- Executing unit tests
- Packaging ABL code into server deployable archives like war, oear, etc.
- Uploading binary code in a binary repository
- Using OpenEdge containers for the test environment
- Orchestrate sequential building of inter-related projects
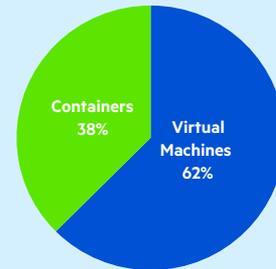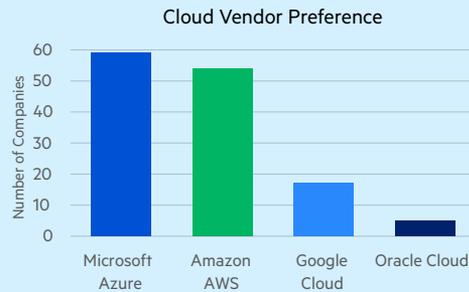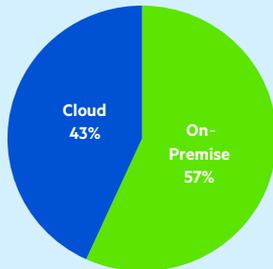- Other

DevOps Requirements

The OpenEdge DevOps Framework currently solves the top three DevOps problems.

- Reduce time to build OpenEdge applications
- Simplify management of application dependencies
- Generate deployable packages during the build process
- Automate Container-based test environment creation including server and database
- Consistent DevOps for applications based on different OpenEdge versions
- Other

146
125
111
63
59
14

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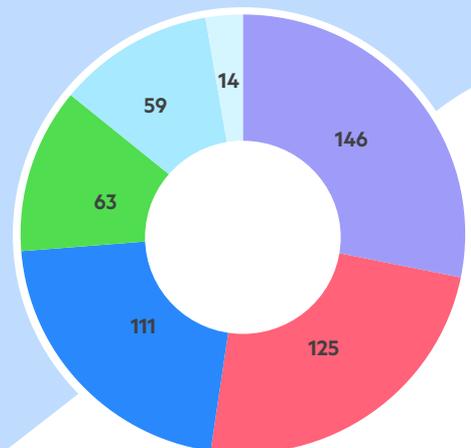
Deployment Preferences in 2023

On-premise servers and virtual machines continue to be the choice for deployment among respondents. There is also interest in a variety of Cloud providers.

Cloud 43%

On-Premise 57%

Cloud Vendor Preference

Number of Companies

Microsoft Azure	~59
Amazon AWS	~54
Google Cloud	~17
Oracle Cloud	~5

Containers 38%

Virtual Machines 62%

OpenEdge Command Center Database Management Features

The highest interest is in configuring database startup settings, and there is also clear support for managing settings for security and for the database add-on products. OpenEdge Command Center is a modern cloud-ready web-based console to manage OpenEdge resources.

53% 40% 32% 25% 24% 19% 19% 19%

Percentage of Respondents
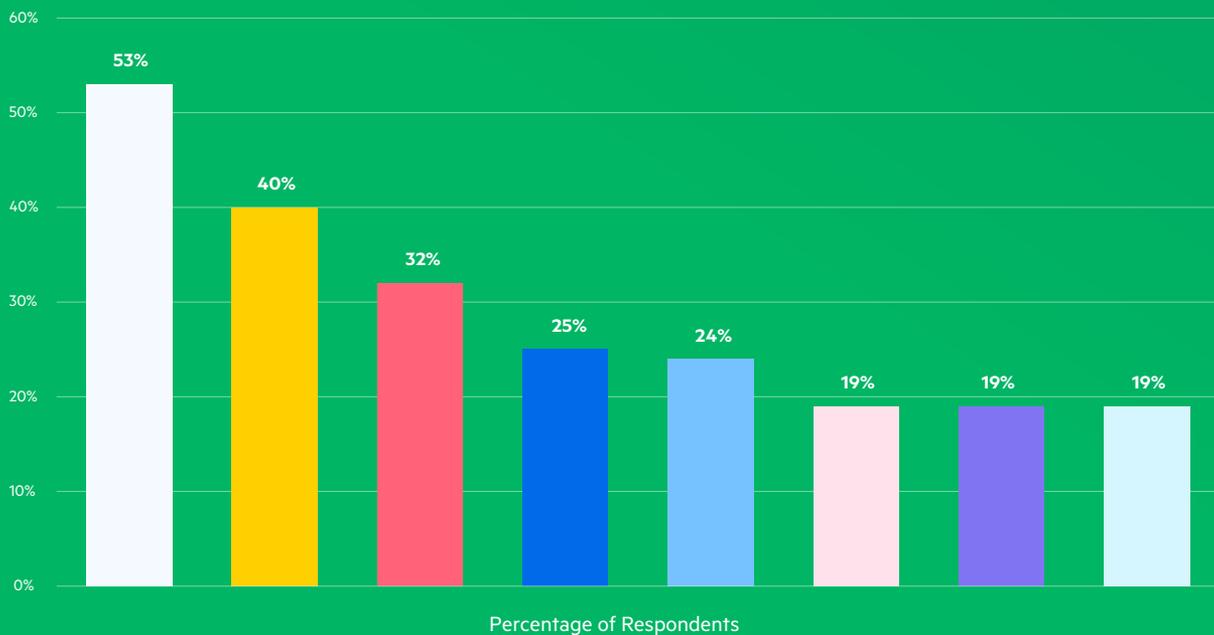
- Config of all DB startup parameters
- Manage user security for a DB
- Ability to create DB from scratch
- Support for Change Data Capture
- Support for Transparent Data Encryption
- Support for Dynamic Data Masking
- Support for Table Partitioning
- Support for Multi-tenancy

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OpenEdge Command Center PAS for OpenEdge Management Features
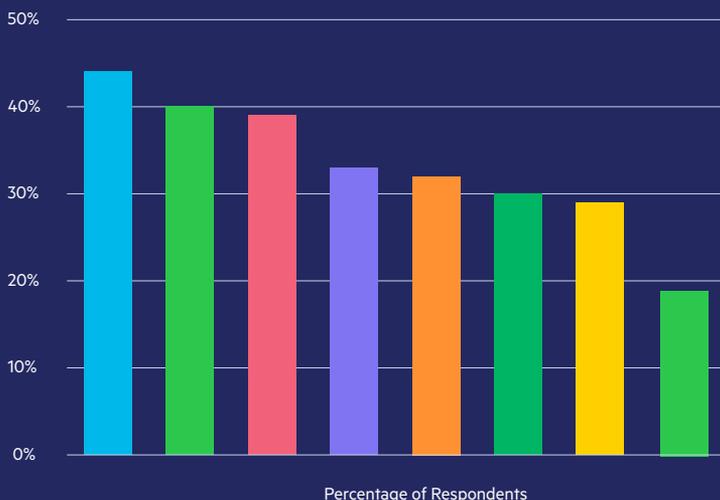
The responses help prioritize the PAS for OpenEdge management features that can be added to OpenEdge Command Center in the future.

- Update PASOE runtime properties
- Export/Import PASOE config between two releases
- Monitor PASOE multi-session agent requests
- Configure/manage end-to-end PASOE security
- PASOE diagnostics to get thread dump, collect logs
- Difference between 2 PASOE environments
- Apps/Services migration between two PASOE releases
- OE install visibility & support for updates

Percentage of Respondents

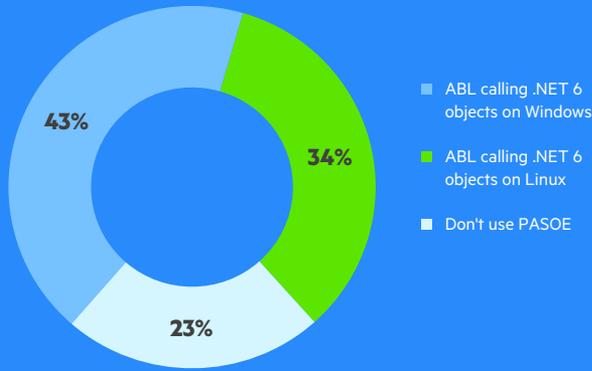## Distributed Tracing for OpenEdge Application Performance Monitoring
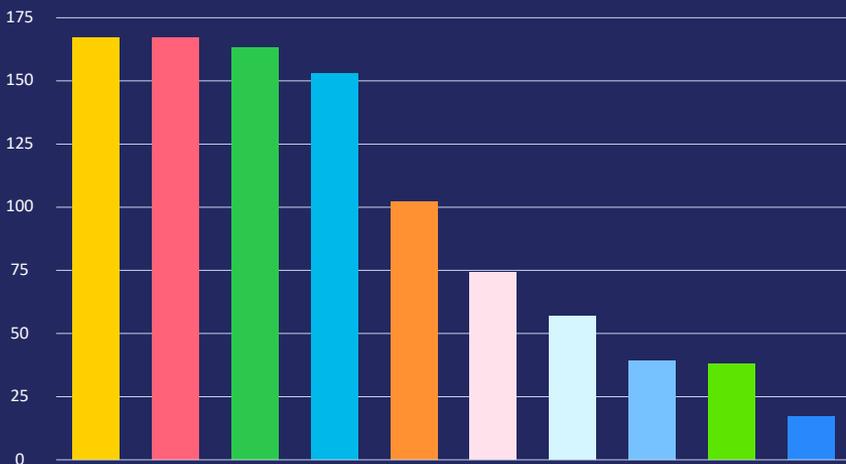
- Application performance analytics and alerting
- Understand DB & AppServer issues caused by ABL
- Trace an ABL execution times to find problems
- Trace a Database query for execution times
- Trace error events in my application
- Monitor & trace Database transactions
- Trace temp table operations
- Trace & monitor web transports in AppServer
- Trace Database connect/disconnect/reconnect operations
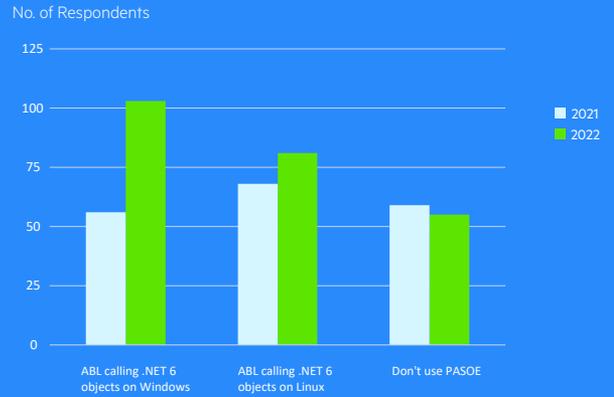- Action and rollback times for optimization

The majority of respondents have a continued interest in locating application performance issues in their ABL code.

Microsoft .NET Insights

For Windows-based applications, there is strong interest in support for .NET 6 on both the Windows and Linux platforms.
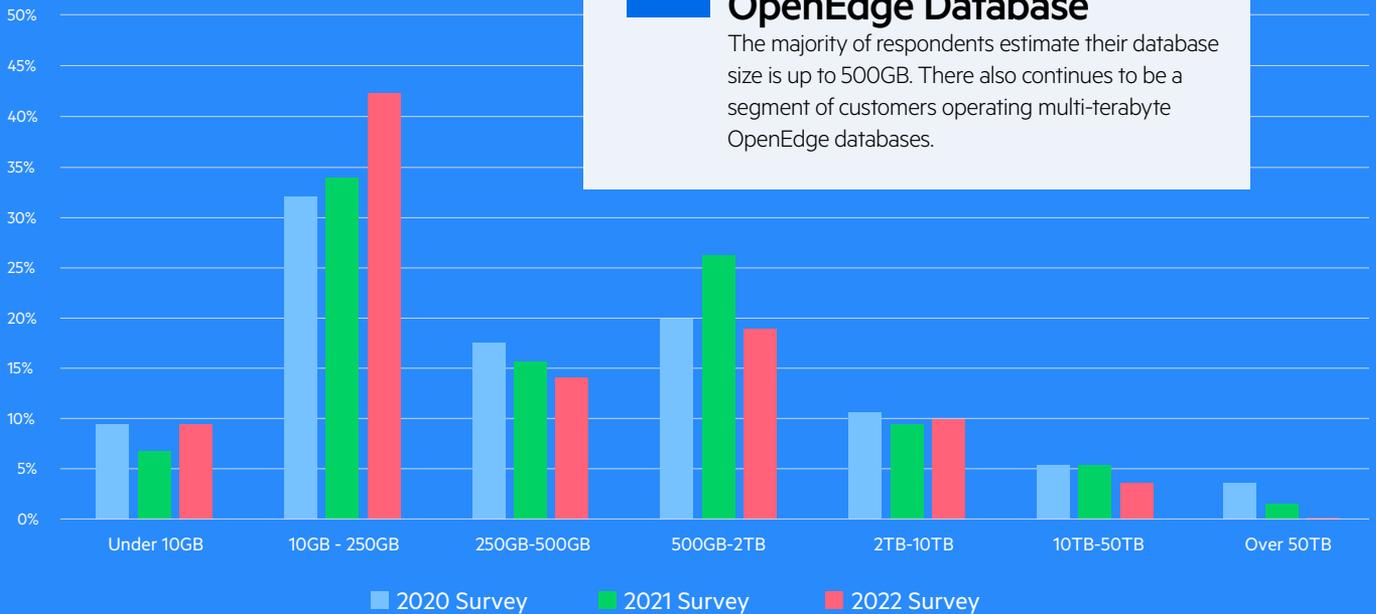
43%

34%

23%

- ABL calling .NET 6 objects on Windows
- ABL calling .NET 6 objects on Linux
- Don't use PASOE

Your .NET Strategy for PASOE - Multi-select

No. of Respondents

- 2021
- 2022

ABL calling .NET 6 objects on Windows | ABL calling .NET 6 objects on Linux | Don't use PASOE

.NET Strategy for PASOE by Year
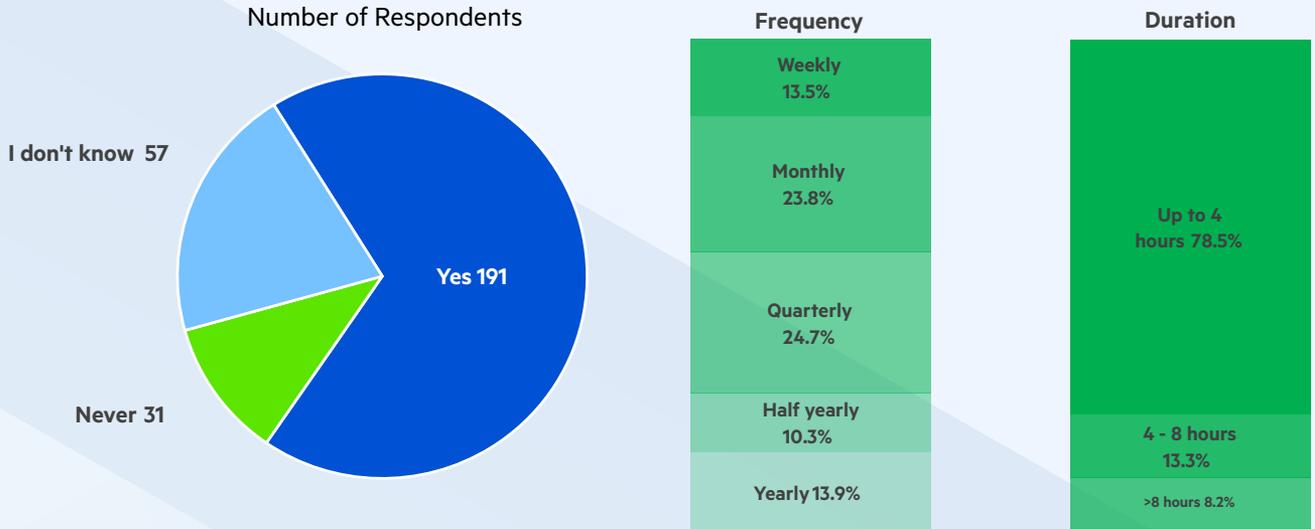
Size of the Largest OpenEdge Database

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The majority of respondents estimate their database size is up to 500GB. There also continues to be a segment of customers operating multi-terabyte OpenEdge databases.
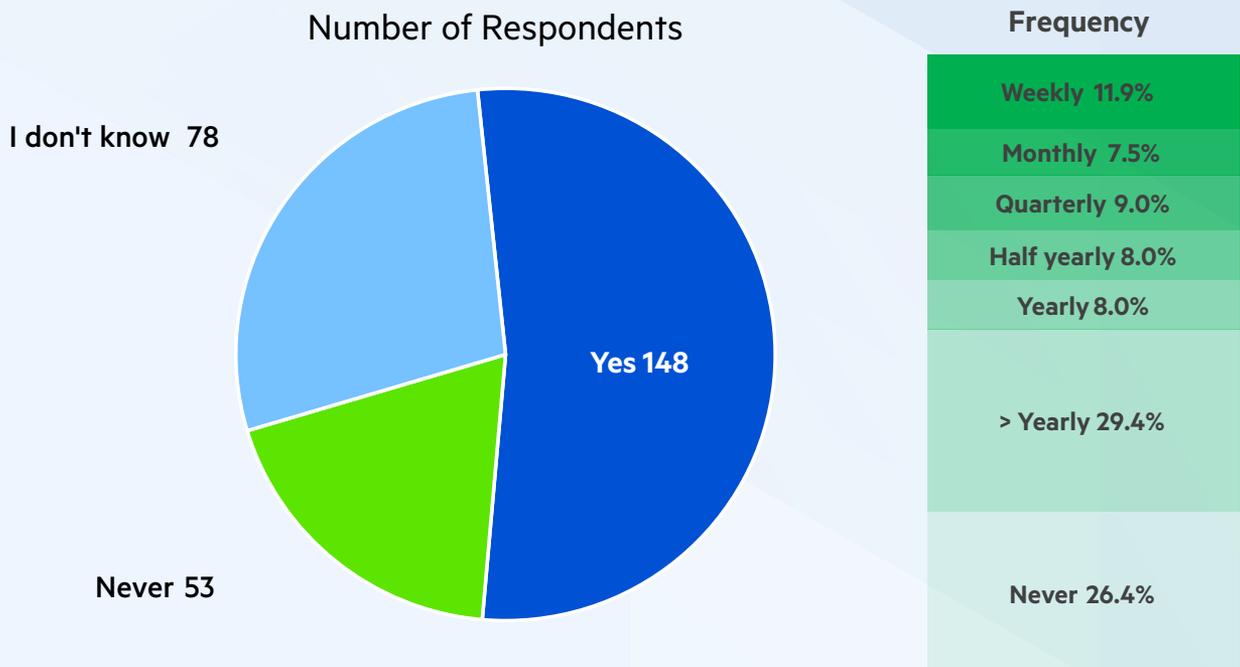

| Under 10GB | 10GB - 250GB | 250GB-500GB | 500GB-2TB | 2TB-10TB | 10TB-50TB | Over 50TB |

- 2020 Survey
- 2021 Survey
- 2022 Survey

15 **Maintenance Outages – Planned**

The majority of respondents have planned outages that are short (up to 4 hours) in duration.

Number of Respondents

I don't know 57

Yes 191

Never 31

Frequency

Weekly 13.5%

Monthly 23.8%

Quarterly 24.7%

Half yearly 10.3%

Yearly 13.9%

Duration

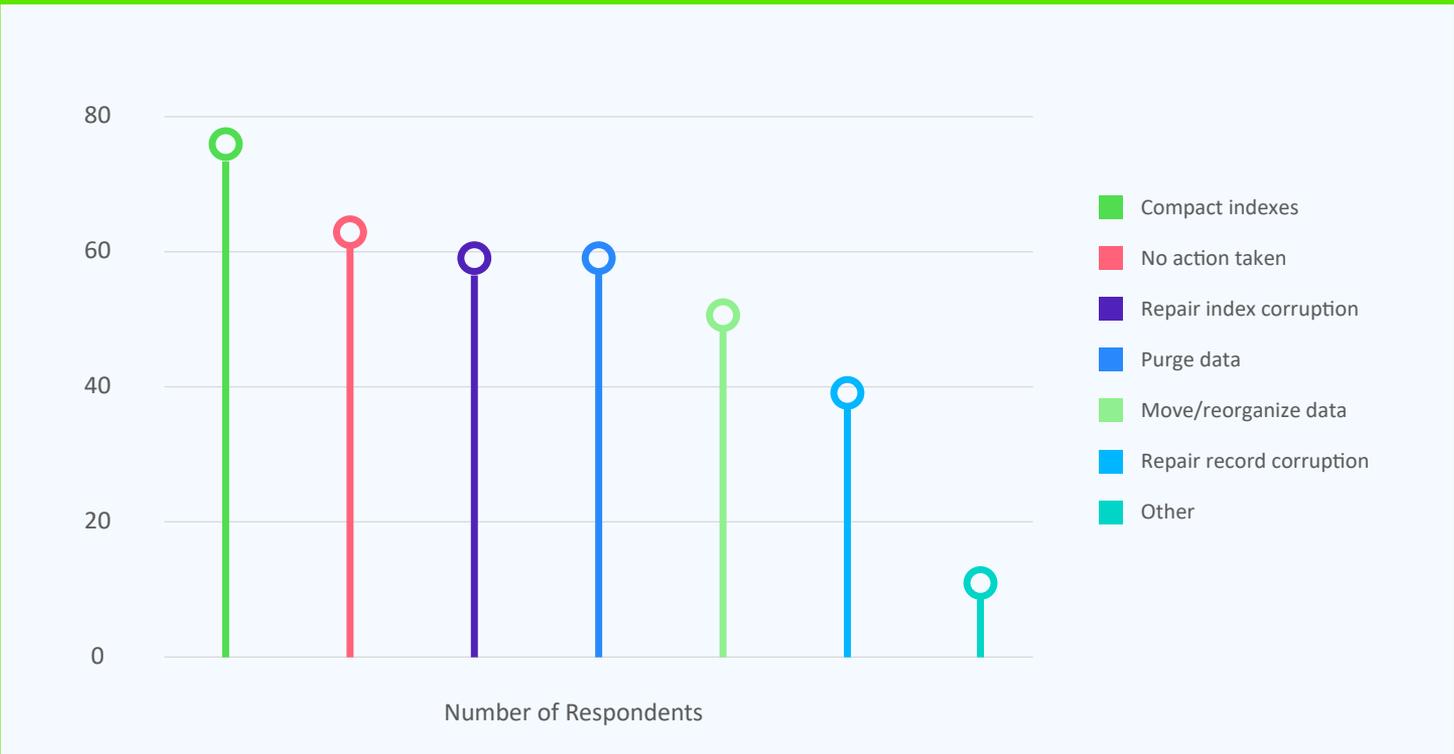Up to 4 hours 78.5%

4 - 8 hours 13.3%

>8 hours 8.2%

16 **Health Checks**

Over 50% of respondents reported using some kind of health check by using the OpenEdge Database tools like DBTOOL, IDXFIX, IDXCHECK.

Number of Respondents

I don't know 78

Yes 148

Never 53

Frequency

Weekly 11.9%

Monthly 7.5%

Quarterly 9.0%

Half yearly 8.0%

Yearly 8.0%

> Yearly 29.4%

Never 26.4%

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Post-Health Check Actions

Legend:
- Compact indexes
- No action taken
- Repair index corruption
- Purge data
- Move/reorganize data
- Repair record corruption
- Other

Number of Respondents

The most frequent activity after a database Health Check is the pre-emptive index compaction, closely followed by no activity at all - there were no issues reported by the health check.

→ **Make sure to take part in the next OpenEdge Product Survey to give your feedback and help shape the future of OpenEdge!**

About Progress

Dedicated to propelling business forward in a technology-driven world, Progress (NASDAQ: PRGS) helps businesses drive faster cycles of innovation, fuel momentum and accelerate their path to success. As the trusted provider of the best products to develop, deploy and manage high-impact applications, Progress enables customers to build the applications and experiences they need, deploy where and how they want and manage it all safely and securely. Hundreds of thousands of enterprises, including 1,700 software companies and 3.5 million developers, depend on Progress to achieve their goals—with confidence. Learn more at www.progress.com

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