



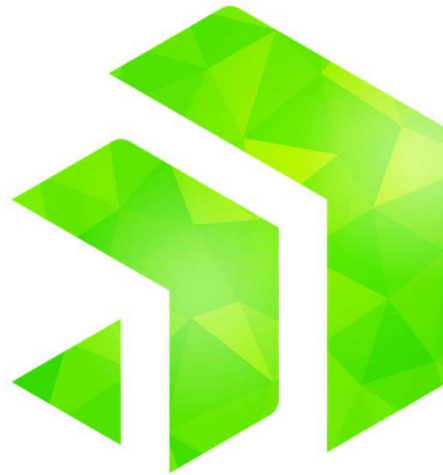
# OpenEdge 12.0

Powerful. Available. Exceptional.

**Piotr Tucholski**  
Senior Consultant

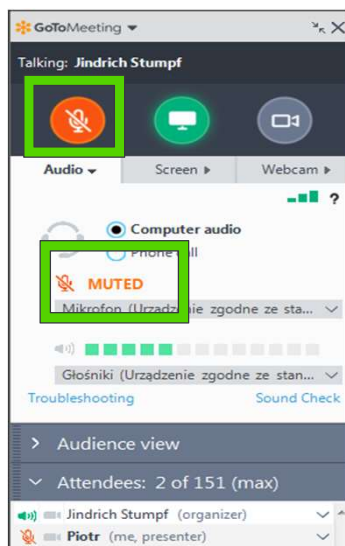
**Jindřich Štumpf**  
CIO Galeos

Warszawa 12.03.2019



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## GoToMeeting: Ustawienia



- Proszę wejść do panelu
- Upewnić się, że mikrofon jest wyłączony: **muted**
- **Sesja nie może być anonimowa. Proszę podać swoje nazwisko i nazwę firmy, w przeciwnym razie sesja zostanie rozłączona. Dziękujemy.**



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 Progress® OpenEdge®

# 12

**Powerful. Available. Exceptional.**

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**Powerful – Wydajność & Skalowalność**



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# OpenEdge 12.0 – Wydajność & Skalowalność

OpenEdge Database Server: *Multi-threaded Processing*



Today, DB access requests are handled one-at-a-time

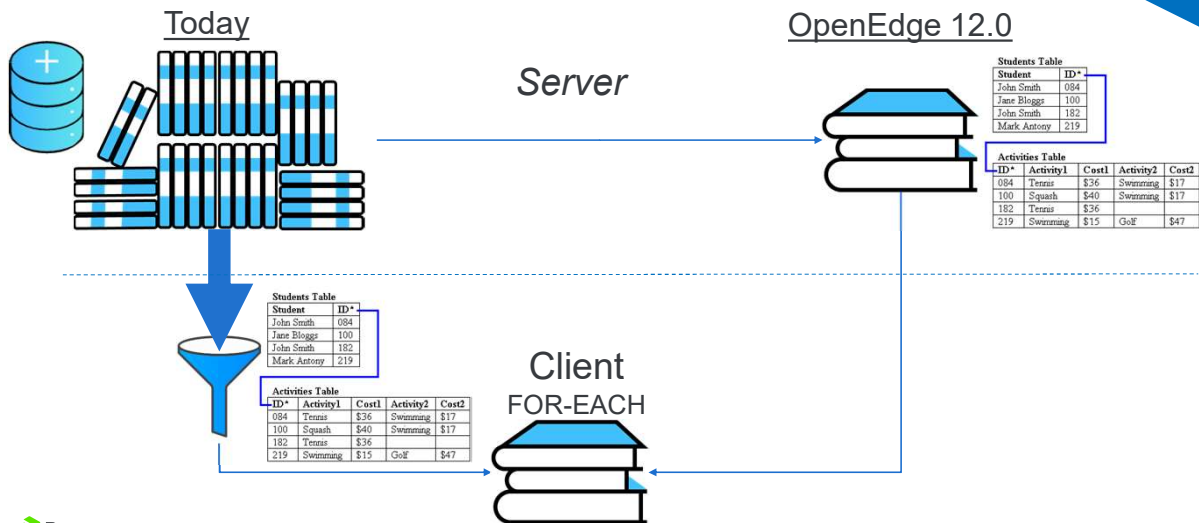
In 12.0, DB access requests are handled **Concurrently** for Remote Clients



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# OpenEdge 12.0 – Wydajność & Skalowalność

Language: *Resolve Table JOINS on the Server*



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# OpenEdge 12.0 – Wydajność & Skalowalność



- ABL & OpenEdge Database
  - Reduce contention on the database buffer hash table
  - Streamline Server-side Table JOINS Phase 1 – FOR-EACH queries
  - Multi-threaded Database Server
  - **No coding changes required!**
- SQL
  - Autonomously update statistics

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# Powerful

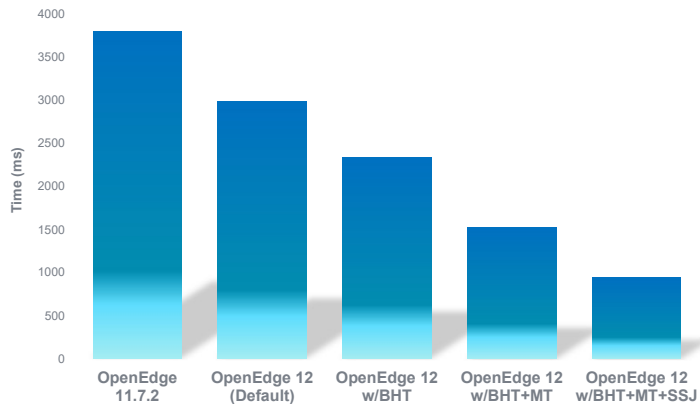


Up to **3x**

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)



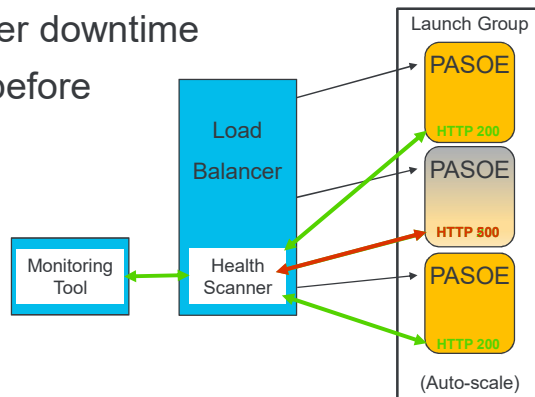
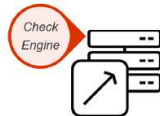
8

# Available



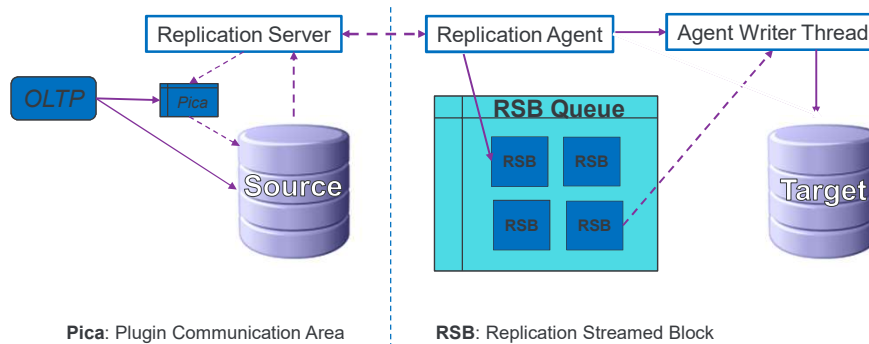
## OpenEdge 12.0 – Available

- Monitor PAS for OpenEdge health
  - CPU, memory, disk, swap space, etc.
  - Tomcat, JVM, etc.
- Improve resilience, and lower downtime
- Supports corrective action before failure happens



## OpenEdge 12.0 – Available

- Improved protection from data loss – Replication AI file streaming



## OpenEdge 12.0 – Available

- Improved Resilience:
  - Monitor PAS for OpenEdge health
  - Replication AI file streaming
- Additional Online Operations:
  - SQL Drop Index, Column or Trigger
  - SQL Rename Index or Column
  - SQL – JVM management and configuration
  - Startup parameters: default settings, increasing online, auto-tuning (autonomics)
  - Database log file archive and truncate, index build, BI space reclamation
- Container Support
  - PAS for OpenEdge pre-configured and supported in Docker



## OpenEdge 12.0 – Available - Bezpieczeństwo



- Use external authentication providers – OAuth2 and SAML support in PAS for OpenEdge
- Most-current Spring security, OpenSSL and SOAP libraries
- Removed vulnerable security ciphers – RC4 and MD5
  - Data (Transparent Data Encryption) and communication (SSL/TLS)
  - User authentication (Authentication Gateway, Client Principal)
  - Security Migration Guide

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## Exceptional – Ewolucja Aplikacji



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## OpenEdge 12.0 – Ewolucyjne Narzędzia



- Coding:
  - Execute FINALLY blocks during STOP processing
  - Set a return code on application exit
- Compilation:
  - Supply Progress Compilation Tools (PCT)
- Refactoring
  - Rename parameters, properties and more

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## OpenEdge 12.0 – Ewolucyjne Narzędzia

- Improve ABL code quality as early as possible in the dev cycle
- SonarQube ABL plug-in for code inspection
- Integrated into PDS for OpenEdge
- Extensible

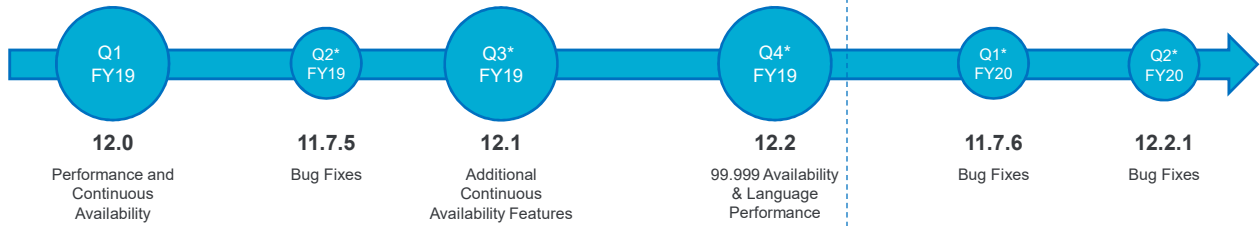
The screenshot shows the OpenEdge Editor interface. The main window displays the source code for 'BasicOperations.cls'. The code includes a class definition and two variable declarations. Below the code, the '16 Items' panel shows a list of SonarLint issues:

Resource	Date	Description
BasicOperations.cls	2 minutes ago	NO-UNDO not specified in variable declaration
BasicOperations.cls	3 minutes ago	Unused variable iVar
Operations.cls	1 month ago	Code block doesn't have any statement and no comment to
Operations.cls	1 month ago	Package name doesn't match directory name src/Operations
Sports.df	10 minutes ago	Extends
Sports.df	10 minutes ago	Table Customer has 5 indexes defined
Sports.df	10 minutes ago	Table Feedback has 5 indexes defined
Sports.df	10 minutes ago	Table Item has 5 indexes defined

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# Kalendarz OpenEdge

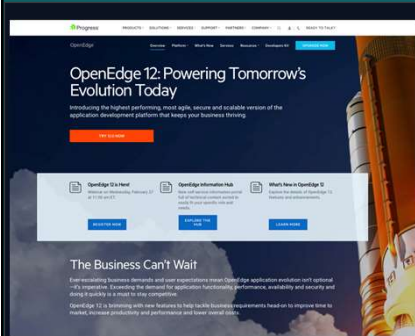


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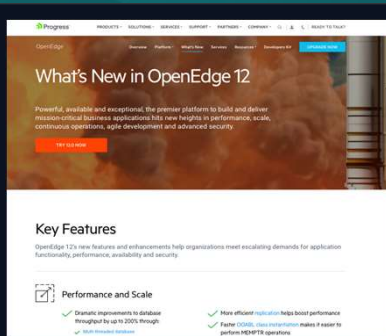
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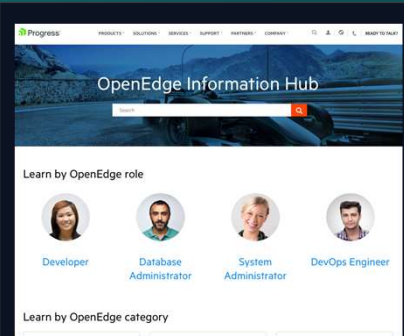
# Więcej Informacji



[Progress.com/openedge](https://progress.com/openedge)



[Progress.com/openedge/whats-new](https://progress.com/openedge/whats-new)



[Docs.progress.com](https://docs.progress.com)

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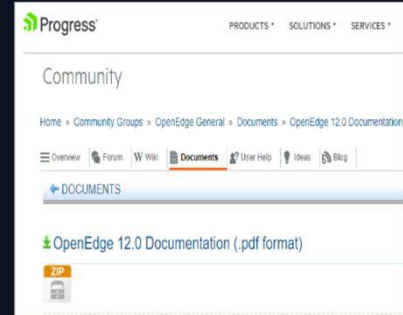
# Więcej Informacji



[support.galeos.eu](http://support.galeos.eu)



[blog-progress.pl](http://blog-progress.pl)



[community.progress.com/  
community\\_groups/openedge\\_general/  
m/documents/3682](http://community.progress.com/community_groups/openedge_general/m/documents/3682)

Pytania proszę kierować na serwis  
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## OpenEdge 12.0 Zmiany licencjonowania – Podsumowanie

- Machine & CPU License -> Deprecated
- Development Tools -> Named User Model Only with one exception
- EULA 12.0 -> Recap
- Order conditions -> Schema/Picture is required

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## No Machine or CPU License Models

- Machine Model comes from the days when a machine had a single CPU
- CPU Model comes from the days when a machine had a single core
- **Starting with OpenEdge 12.0 – both models are deprecated**
  - Machine Model - no conversion available
  - All CPU based licenses will be converted into CORE Model 1:1

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## Development Tools Recap

- Progress V9 - all development tools used Concurrent User
- Progress OpenEdge 10 and 11 – Named User or Registered Device
  - Concurrent were „grandfathered“
- Development tools „should be“ per Named User
- **Starting with OE12.0, only Named User**
  - PDS for OE, OE Studio, ProVision, ProVision Plus
  - 4GL Development = Exception
    - Registered Device model is possible to use

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## Migration Path

- When customer moves to OpenEdge 12.x

Product(s)	License Method	Action
PDS for OpenEdge, OE Architect	Concurrent User	Convert to Named User using Trade-in Value
OE Studio		
ProVision, ProVision Plus		
Multiple Products	Registered Device	Exchange 1-for-1 for Named User at no cost

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## End User License Agreement – EULA recap

- Contract between Progress and you, establishing your right to use the software with its associated terms and conditions of use
- You accept it by installing the software
- License model and its attributes definitions:
  - Single platform?, Single server?, Single core?, Server/Platform transferable?
  - Standard vs. Occasional vs. Unknown Users
  - Is concurrency allowed?
  - Do you create and maintain Disaster Recovery?
- **All server side batch processes are subject of a license excluding:**
  - Progress system processes
  - SQL engine process [SQLUSER] / [SQLDEVICE], sysprogress (if initiated by standard application users)
  - SYSTEM / root – if only used for database startup, shutdown, backups etc. are excluded

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# Warunki zamówień

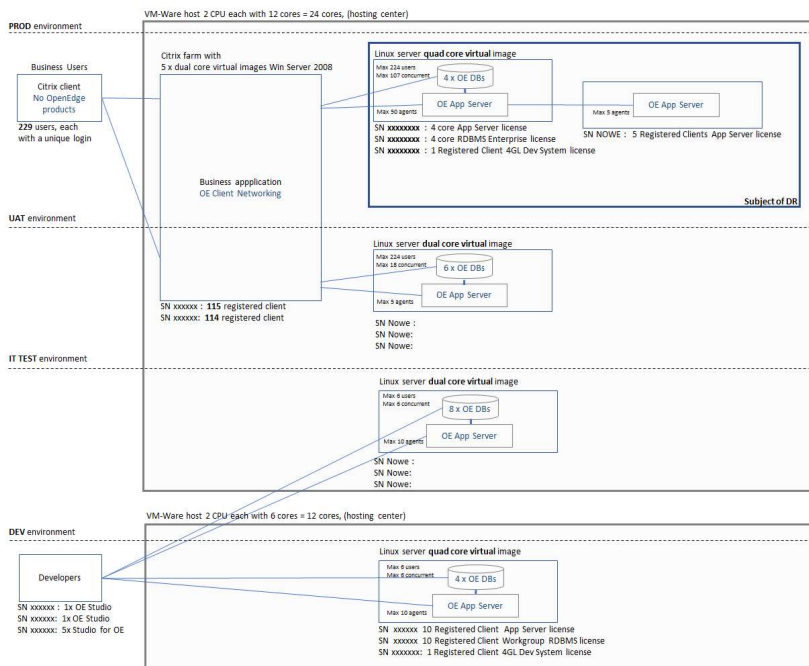
- Nowy cenik Galeosu dla OpenEdge od kwietnia
- Zamawiając nowe licencje, Galeos wymaga zarysu ogólnego wdrożenia.
  - Zarys musi odzwierciedlać sposób korzystania zarówno z nowo zamówionych, jak i używanych już produktów Progress OpenEdge.
- Dla PoA/SaaS partnerów jeden typowy schemat wystarczy

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# Przykład Schematu Architektury

Bez tego nie będą zamówienia akceptowane

Schemat OE Produktów, 2018-11-20 dla PROD + UAT + IT TEST + DEV + DR środowisk



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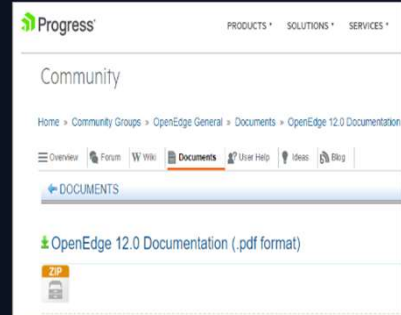
# Więcej Informacji - pytania



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