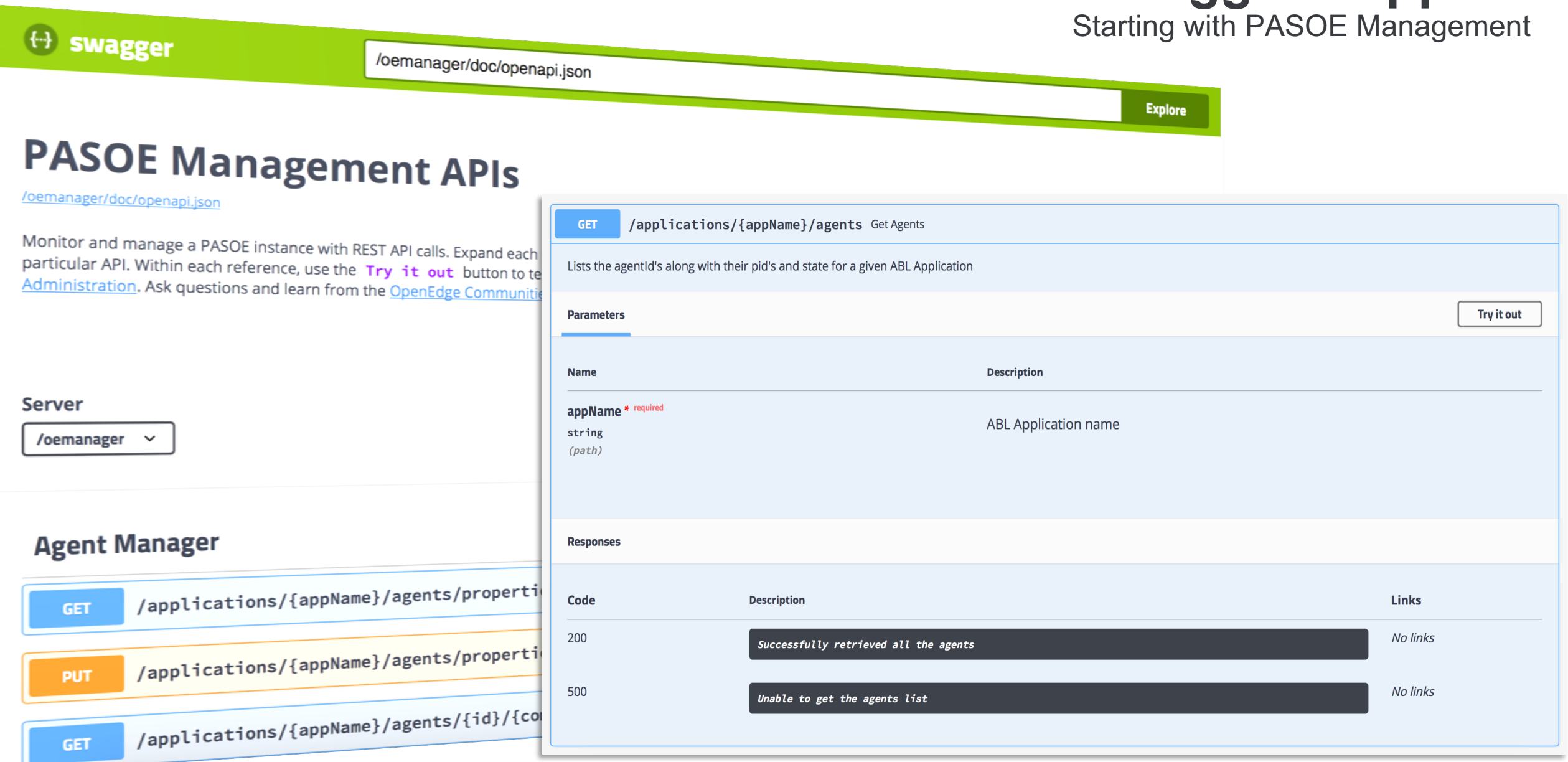
Exceptional

Whole Server Health Check for PASOE

Swagger Support

Starting with PASOE Management



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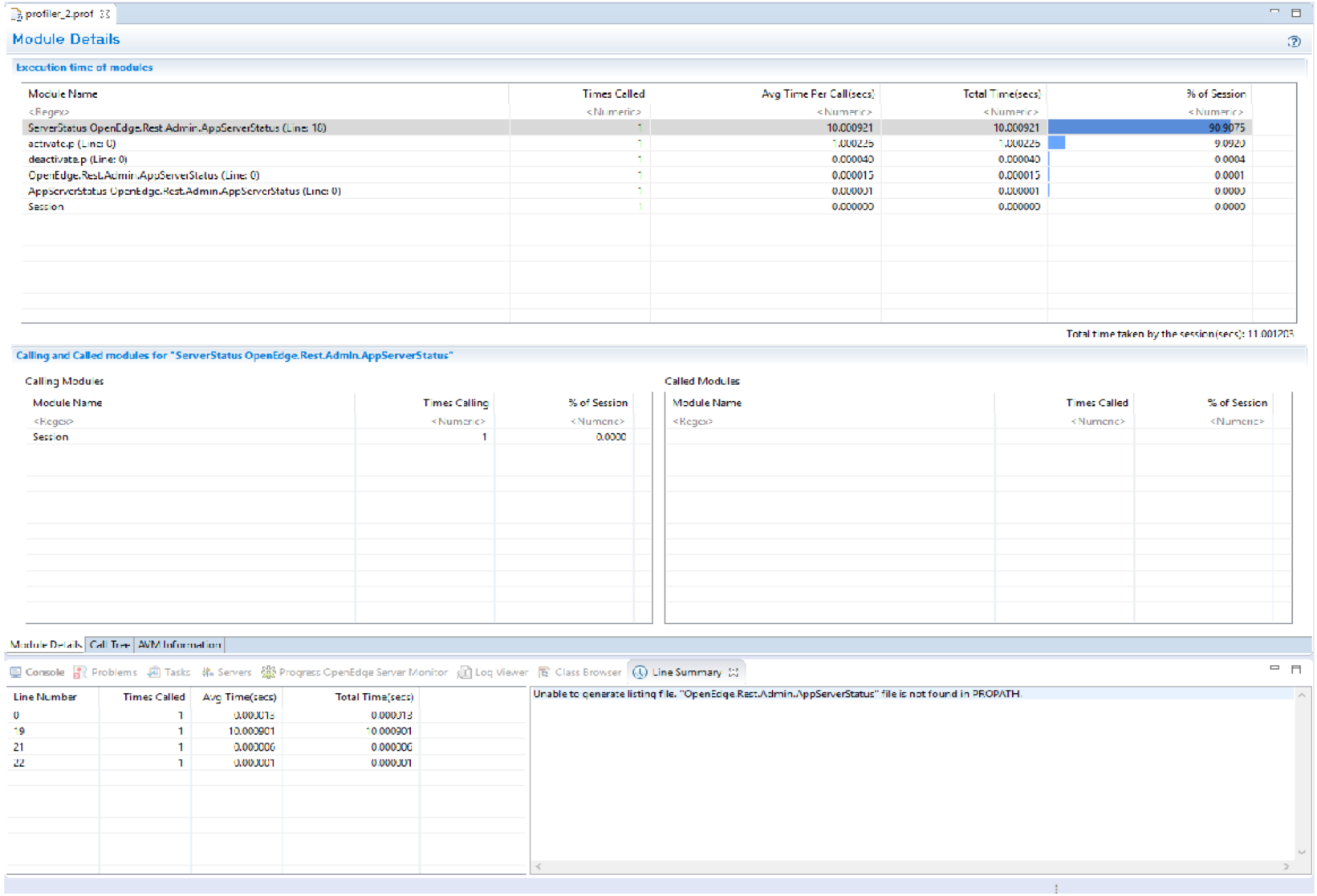
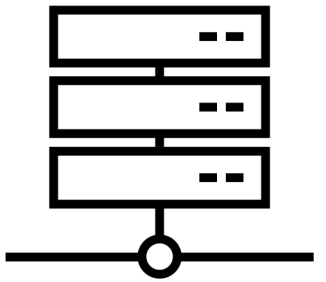
Server-side ABL Profiling



- ✓ Run supplied code to retrieve profiler data
- ✓ View in PDSOE

Diagnostic Store

PAS for OpenEdge



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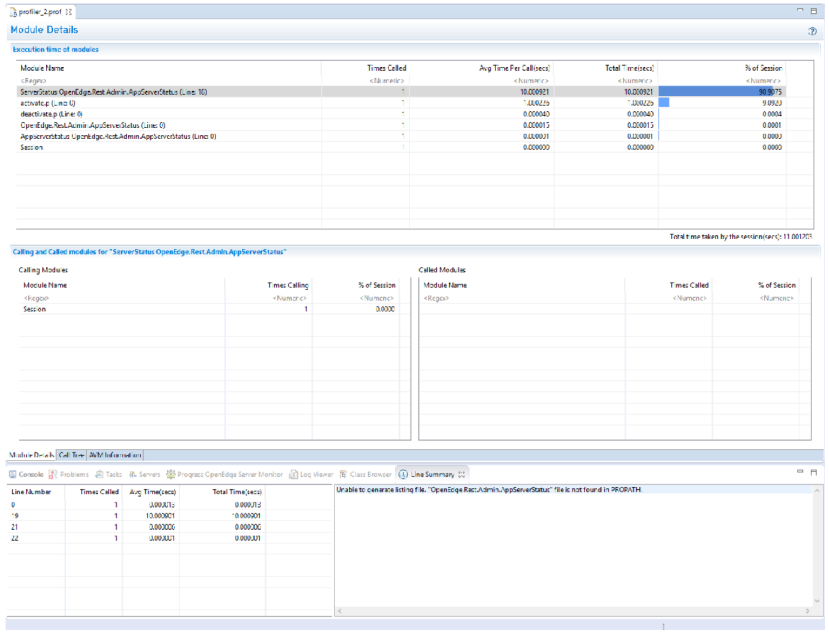
Online Production Profiling

- Growing MS-Agent memory
- Inconsistent or long execution times
- Analyze code faults
- Capture Application logic flow in Production



PASOE Application

✓ Using OEJMX

✓ Enable pushing of profiler information

Diagnostic Store

PAS for OpenEdge

✓ Run supplied code to retrieve data

✓ View in PDSOE

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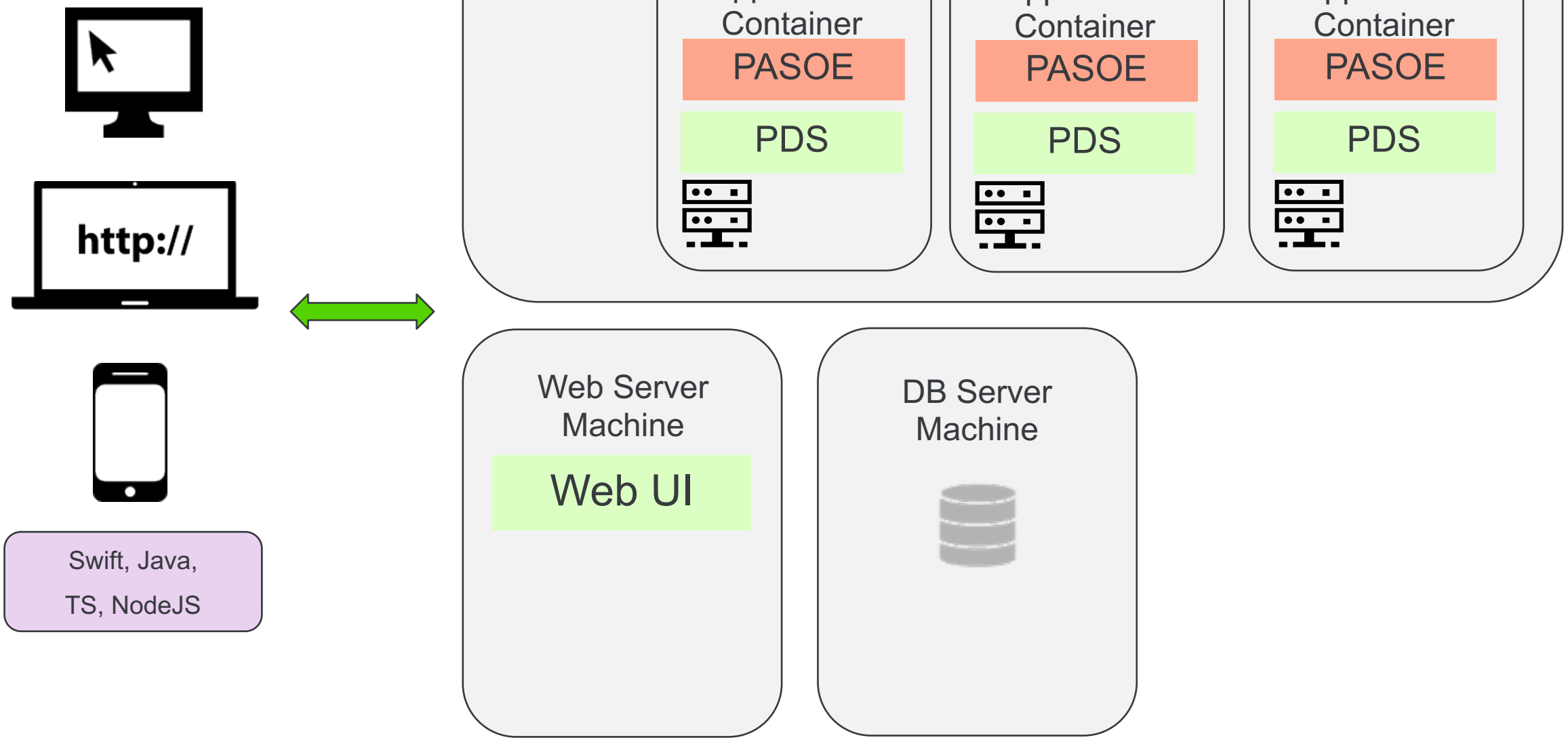

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Sample App available via Progress Community

- Using the Container Image for PAS for OpenEdge 11.7 with a Sample Application
  - https://community.progress.com/community_groups/openedge_general/m/documents/3610
- Using the Container Image for PASOE for OpenEdge 11.7 with EFK Stack Logging (Sample App)
  - https://community.progress.com/community_groups/openedge_general/m/documents/3650
- Docker Container for PASOE – FAQ
  - https://community.progress.com/community_groups/openedge_deployment/w/openedgedeployment/3280.docker-container-for-pasoe-faq

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Progress Developer Studio for OpenEdge

OpenEdge 12.0 – Evolution Tooling

- Coding:
  - Execute FINALLY blocks during STOP processing
  - Set a return code on application exit
- Compilation:
  - Supply Progress Compilation Tools (PCT)
  - Prevent Methods/Functions with no RETURN,
  - Prevent RETURN from inside a FINALLY block
- Upgraded Eclipse to version 4.9
  - Exploring Che for hosted development

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Developer Studio

- Performance Profile Enhancements
  - Show true call-tree data and PROPATH
- Exporting/Importing Workspace Settings
- New ABL Editor Options
  - Code formatting
  - Compile Shortcut
  - Refactoring
- 3rd Party Enhancements
  - Code analyzer for ABL
  - Progress Compilation Tools (PCT) Update
  - Infragistics Controls Update
- Telerik UI for Winforms Controls Upgrade

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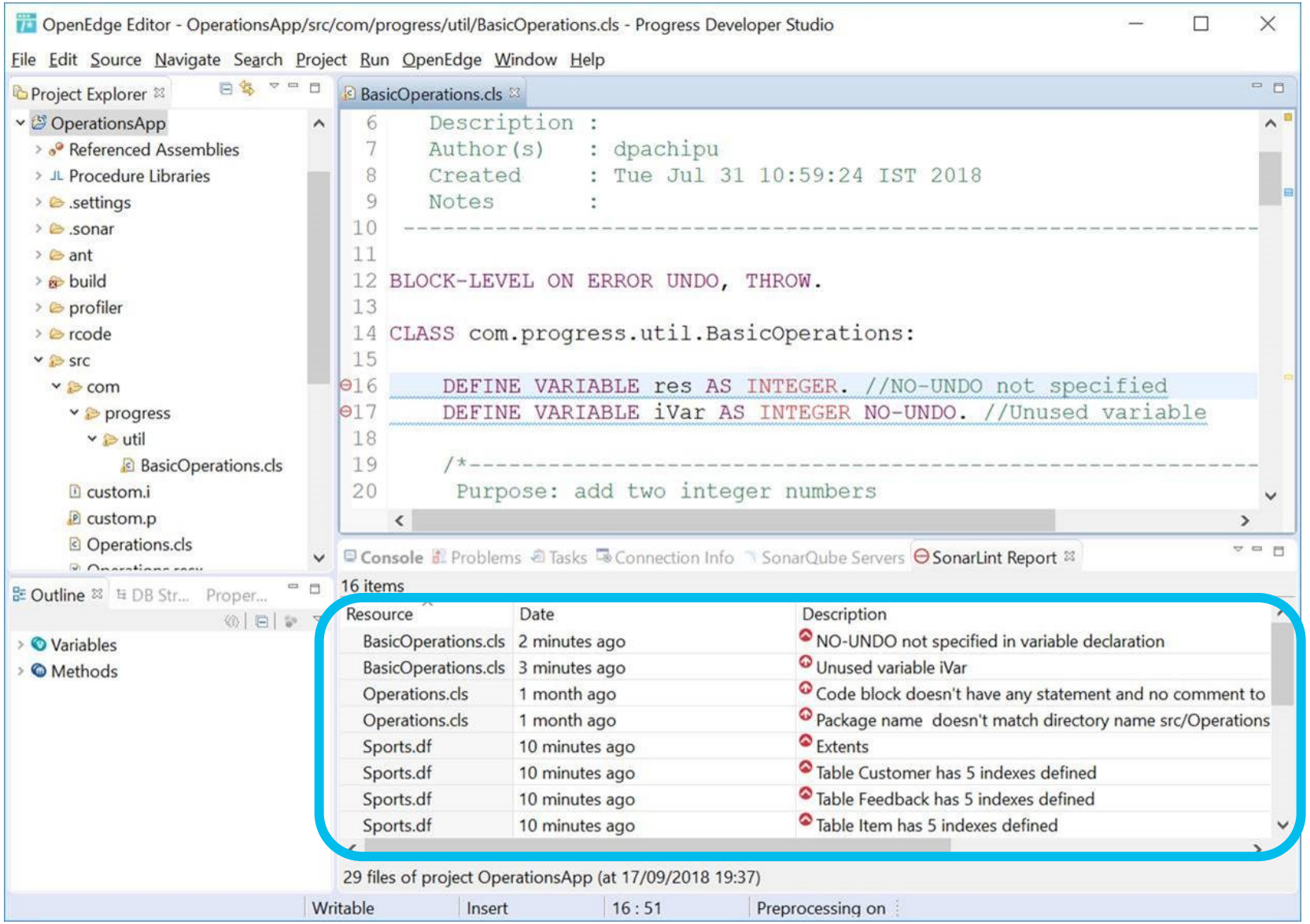
OpenEdge 12.0 – Evolution Tooling

- 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



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Progress OpenEdge ABL and SQL

ABL

- New Memory Stream Classes
- Resize a fixed indeterminate array
- Error and stop object enhancements for Java open client
- Stop condition processing
- Empty FIELDS list behavior change
- R-Code updates
- Client Principal Object updates
- Migrate Database Permissions to New SQL Model

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OpenEdge 12.0 – Available

- Additional Online Operations:
  - SQL Drop Index, Column or Trigger
  - SQL Rename Index or Column
  - SQL – JVM management and configuration
  - Database log file archive and truncate

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SQL

- Online DDL/Schema changes
- Online JVM Configuration
- SQL – Specific information added to Protrace Crash report on Linux
- Autonomous Update Statistics (AUS)

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OPENEDGE 12

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Available
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Getting Started
Progress Application Server for OpenEdge
Introducing PAS for OpenEdge
Configuration Guide
Administration Guide
Application Migration and Development Guide
Preface
Migrating AppServer and WebSpeed Applications
Introduction
ABL application code migration
Migrating server configuration and management
WebSpeed
Application Development with PAS for OpenEdge
OpenEdge Business Process Management
OpenEdge Business Rules
Data Management
Multi-tenancy
OpenEdge Management and OpenEdge Explorer
Application Server
ABL
Development Tools
OpenEdge GUI for .NET
Integration and General Business Interfaces
Open Client

Introduction

Migrating an application from the classic OpenEdge AppServer or the WebSpeed Transaction Server to the Progress Application Server for OpenEdge (PAS for OpenEdge) should involve minimal changes to ABL application code. However, an OpenEdge application may encompass many distributed components including AppServers, Adapters, various types of OpenEdge and non-OpenEdge clients, NameServers, and so forth. In fact, an application may actually be composed of multiple ABL applications, where an ABL application is identified by a unique ABL code base, AppServer, and database.

Therefore, the process of migrating an application to use PAS for OpenEdge instead of the classic OpenEdge AppServer or WebSpeed Transaction Server can be more involved than just moving the ABL code base and database configurations. PAS for OpenEdge is based on a server platform that is entirely different from the classic OpenEdge AppServer. PAS for OpenEdge is, however, designed for use with both current and future applications, with backwards compatibility to ease the burden of migrating current applications.

OpenEdge AppServer

When migrating an ABL application from the OpenEdge AppServer to PAS for OpenEdge, changes to the application should be minimal. However, it is helpful to be aware of the following considerations:

- **PAS for OpenEdge installation compared to the AppServer** — Unlike the classic AppServer, OpenEdge business applications do not run in the PAS for OpenEdge that you install as part of the OpenEdge installation. Instead, applications run in one or more *PAS for OpenEdge instances* that you create from your OpenEdge PAS for OpenEdge installation as a template. Among other benefits, this means that when you upgrade OpenEdge, you do not lose your previous PAS for OpenEdge instances, as you do any local AppServer instances that you must restore from backup after upgrading.
- **Migrating to PAS for OpenEdge development and production servers** — OpenEdge supports two different types of PAS for OpenEdge installation, a development server where you develop ABL business applications, and a production server where you can deploy business applications that are ready for release. You can develop ABL business applications in a PAS for OpenEdge project that you create in Progress Developer Studio for OpenEdge much as you do in an AppServer project for the classic AppServer. However, unlike the classic AppServer, you cannot deploy non-compiled ABL source code to a PAS for OpenEdge production instance, because, as a security feature, the PAS for OpenEdge production server has no ABL compiler. Therefore, to a PAS for OpenEdge production server you can only deploy compiled r-code.
- **Client connections compared to the AppServer** — There is no direct or "native mode" connection to PAS for OpenEdge from an ABL client (and a Java or .NET Open Client) as there is to the classic AppServer. Because PAS for OpenEdge is a Web server, all clients of PAS for OpenEdge are Web clients and must connect using an HTTP or HTTPS URL to a PAS for OpenEdge Web application (an *OE ABL Web application*). This connected OE ABL Web application then manages the execution of all server ABL code on behalf of all supported OpenEdge clients.
- **Supported client types and transports in PAS for OpenEdge** — For PAS for OpenEdge, there are no separate adapters (like the WSA or the AIA for the classic AppServer) to allow different types of OpenEdge clients to access an OE ABL Web application over the Internet. Instead, every OE ABL Web application supports up to three separate transports that provide access for the following types of PAS for OpenEdge clients:
  - **ABL clients (and Java or .NET Open Clients)** — Using the OpenEdge APSV transport
  - **SOAP Web service clients** — Using the OpenEdge SOAP transport

Personas and Journey Maps

SF Journey Map

Sitefinity Partner: Back-End Developer at Agency

Diligent Dan

Age: Let 20's
Occupation: Back-End Developer for Digital Agency
Family: Single
Lifestyle: Lives and works in downtown Toronto.

GOAL:
To produce clean and reliable code, to complete my tasks within the estimated time period, to meet all customer requirements, and to please both the client and my management.

MEMORABLE QUOTE
"SupportLink is a total disaster! Entering a support ticket is so painful."

MEMORABLE QUOTE
"The documentation is all over the place. I have to piece all of this information together that I find in different articles, on the forum, KB articles... sometimes I feel like bashing my head against the wall."

	Exploration	Development-Project #1	Side project – Project #2	Development - Project #1	Customer Escalation
ACTIONS	• Asks manager for Sitefinity course(s) • Gets overview of SF from peer • Searches for free courses online • Reads description of Falafel courses • Searches for documentation, videos, just to see what is available • Bookmarks docs.sf.com • Watches some videos	•He meets with manager about his assigned tasks, requirements, and timelines. He has a few preliminary team planning meetings. •He starts to code •He has questions about a specific topic •He uses his docs.sf.com bookmark, and looks for the topic – he sees the Widgets doc section and clicks on it since widgets are relevant to the topic. •He sees mostly links and some text. He starts to read and click on the links in the Widget section, reading and clicking, reading and clicking. •He clicks on a link in the Widget section that takes him to the Thunder section •Via the search field, he searches for and then looks at docs in the Architecture section and the Feather section that are also relevant to his topic.	•He meets with his manager about a side project, (he must migrate Sitefinity from a dev to a staging environment, and then deploy from the staging environment to a load balanced product environment using SiteSync) •He googles for info on topic and finds 3 relevant documents: https://docs.sitefinity.com/deployment https://docs.sitefinity.com/deploy-projects-to-shared-hosting https://docs.sitefinity.com/configure-the-iis-to-host-sitefinity-projects Adobe Acrobat Document • He reads the documents	•Continues to work on Project #1 •Has questions about a specific topic and googles for answer •Clicks on first search match which takes him to document on docs.sf.com. •He reads doc but does not find answer •He searches within doc.sf.com but does not find answer •He googles again and clicks on forum link. •He looks at abundance of info on forums, much of it outdated. He finds posting from someone who asked question he has but answer was emailed to poster and not posted on forum •He googles again and clicks on 3rd search match which takes him to KB articles	• While he is still working on Projects #'s 1 and 2, he meets with his manager about a customer escalation issue for a live site that his manager has assigned to him • He explores the issue and tries out various solutions, to no avail. • He discusses the issue with his peers and his management. He shows them the solutions he has tried. • After various unsuccessful attempts by his manager and peers to solve the issue he will need to open a support ticket. • He attempts to access SupportLink, and enters and submits a ticket. Adobe Acrobat Document • He describes all of the solutions he has tried • He opens email from tech support 24 hours late, and they tell him they are working on the case
TOUCHPOINTS	• His manager and peer • Sitefinity product • Google search term matches • Sitefinity.com site, docs.sf.com • Videos	• His manager • Design brief • His team • Visual Studio • Browser • docs.sf.com	• His manager • Browser • docs.sf.com		
FEELINGS	• Excited to work on SF project after working on other CMS projects • Grateful for overview of SF from peer • Disappointed that there is no funding for courses, especially after reading Falafel course description on SF site • Annoyed that hard for him to find docs section on Sitefinity.com (does not associate "Support" with documents – associates it with Tech Support/people to contact for help) Adobe Acrobat Document • Happy to see that there are several videos he can watch but disappointed that there are no transcripts	• Disappointed that each article often consists of relatively small chunks of text and multiple referral links that require him to visit many pages in order to get answer to his question. • Confused – he feels lost after a while • Frustrated as he tries to piece information on different pages together • Frustrated that understanding info on some pages is dependent on having visited previous pages • Surprised and disoriented when he winds up in Thunder section of site • Forgets which other document sections exist (does not know that clicking on drop down to right of page title will reveal navigation menu) Adobe Acrobat Document	• Overwhelmed and anxious that h been assigned to side project wh also work on Project #1. • Initially happy and relieved to fin documentation on deployment, d projects to shared hosting, and co the iis to host Sitefinity projects • Frustrated and anxious that, once has to piece these separate piece information together, and does n which order to do things in • Desiring a documentation site or by high-level tasks, containing all needs		
EMOTIONS					
OPPORTUNITIES	• Provide pre-recorded SF basic course for free (for different roles) • Send email to all developers on customer team with personalized list of suggested courses, videos, webinars... free learning plan. • Send weekly/monthly personalized bundles of doc titles and links/video descriptions and links/tips and tricks/best practices • Consider doing what Pavliks does – 30 minute daily call to take questions from people who call in • Change name of main menu item from "Support" to something that users will associate with Documentation – do moderated usability testing with users to understand more about this issue and then usability test options. • Provide transcripts with videos	• Perform remote moderated usability testing to understand all sources of confusion and to test alternative designs • Consider redesigning documentation such that there are fewer reference links, more text. If this is not possible: • If a document can only be understood after reading another document, consider integrating those documents • Consider redesigning navigation so that the navigation menu in left pane does not change from section to section, and so users always know navigation menu options (the drop-down arrow next to doc title does not necessarily communicate navigation menu to them • Users should always know where they are and where they are going when they click on link (they should not be thrown into other sections of documentation when clicking on links within a section)	Create documents for top high-leve and have separate Tasks document menu item (if we do not know top t query user community)		

SF Journey Map

Partner Client: Content Editor – Manager Editor, Digital Publications & Public Relations at Illinois Dental Association (IDA)

Collaborative Cathy

Age: 50's
Occupation: Managing Digital Editor for Illinois Dental Association
Family: Married
Lifestyle: Lives and works in small, quaint town, about 50 miles north of Chicago. Cathy and her partner own an alternative bookstore, which her partner runs.

GOAL:
I need to keep our online publications and my section of the Association website populated with new and compelling content. I have daily and quarterly drop-dead dates, and it can be tough juggling the overlapping deadlines.

MEMORABLE QUOTE
"There is nothing more exciting than the creative process of writing content that both engages and informs the reader."

MEMORABLE QUOTE
"Sitefinity is my new normal"

	Informed	Mentally Prepares	Motivated	Learns	Uses Skill to Edit Content
ACTIONS	• Attends All Hands meeting – Hears about plan to switch to new CMS Sitefinity system in 6 months, and design new website in the process. CEO and Department Head talk about how wonderful this will be, and that they will use Sitefinity Premier Partner Axiom to help with this work. • After meeting, talks to Web Project Manager Joe, and to Product Manager Sally, who have both been assigned to the Sitefinity project. They reiterate the benefits of Sitefinity, and are very excited about working with Axiom. • Talks to her direct reports about the fact that they will need to learn a new system for updating, deleting, and posting new content.	•Googles, looking for any learning materials on Sitefinity. •Finds video and watches part of it before she is called into a meeting. •After meeting, continues to watch video but stops when a colleague drops by to chat. •She receives an email requesting that content owners delete all outdated content from their current CMS during the next few months. •She casually chats with her direct reports who are in adjacent cubicles to pass on this request.	•After several months, she receives an email about the training schedule. The training will be delivered by Joe. The training has been scheduled during the week of her vacation, and before the week of a week-long conference she will attend. •She reschedules her vacation •She searches for and looks at Sitefinity online materials for new users again. Her search directs her to a forum site. •She talks to anxious direct reports who drop by and reassures them that they will learn together.	•She takes internal training for Sitefinity with her direct reports •During lunch, she reassures overwhelmed direct reports. She checks her email and replies to urgent requests. •After the 8 hour training session, she checks her email again, replies to a few more, and drives home. •During the drive home, she stops at McDonalds for a quick meal – it is already 7 pm. •She helps her kids with their homework, says hello to her partner, and spends 2 hours working, and another hour reviewing course materials.	• Two weeks later, after the content has been successfully migrated to Sitefinity, and the website goes live, she and her direct reports attempt to edit content on the new site. • She reviews her users manual to refamiliarize herself with Sitefinity. • She successfully uploads and formats new content, and edits current content. • Before she leaves for the day, she attempts to duplicate a form, and the system throws an error. • She consults her course manual and does not find an answer. • She googles and she clicks on a link for Sitefinity form documentation. • She reads the documentation and cannot find the answer to her question • She contacts the Web Manager Joe, but he has gone home for the day. • She leaves the office at 7, gets a McDonalds meal, and goes home.
TCHPOINTS	• IDA employees at All Hands meeting • Web Manager, Joe • Product Manager, Sally • Her direct reports	• Browser, matching search results • YouTube • YouTube Video • Her direct reports • Her content	• MS Outlook • Email • Training Schedule • Sitefinity forum • Outlook calendar • Personal calendar	• Training content and manual • Direct reports • MS Outlook, emails • iPhone	• Sitefinity • Her content • Training manual • Browser, matching search terms • Docs.Sitefinity.com documentation on forms • Skype

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OpenEdge Knowledge Network

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System Administrator

Dev Ops Engineer

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What's new

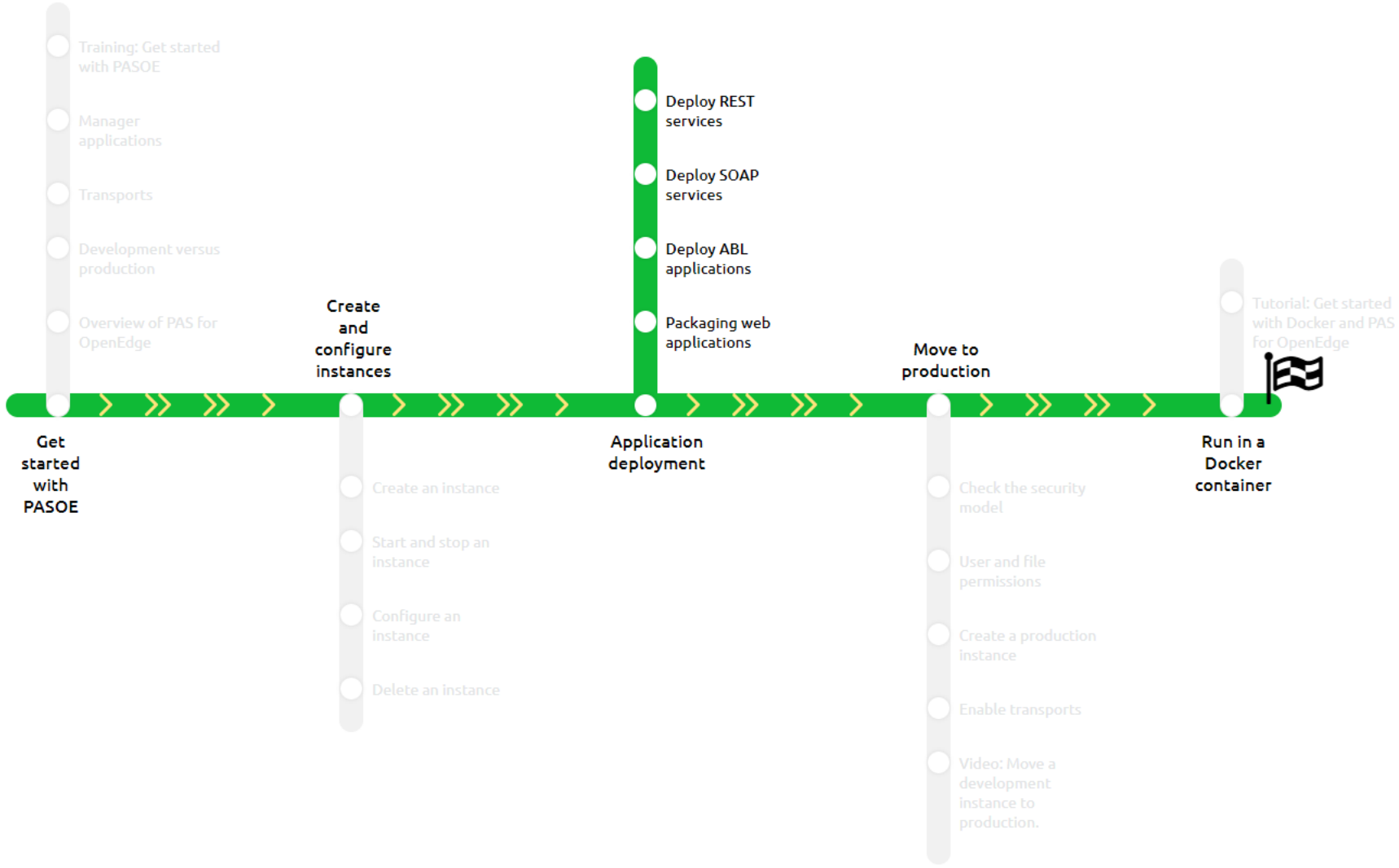
Get started

Develop applications

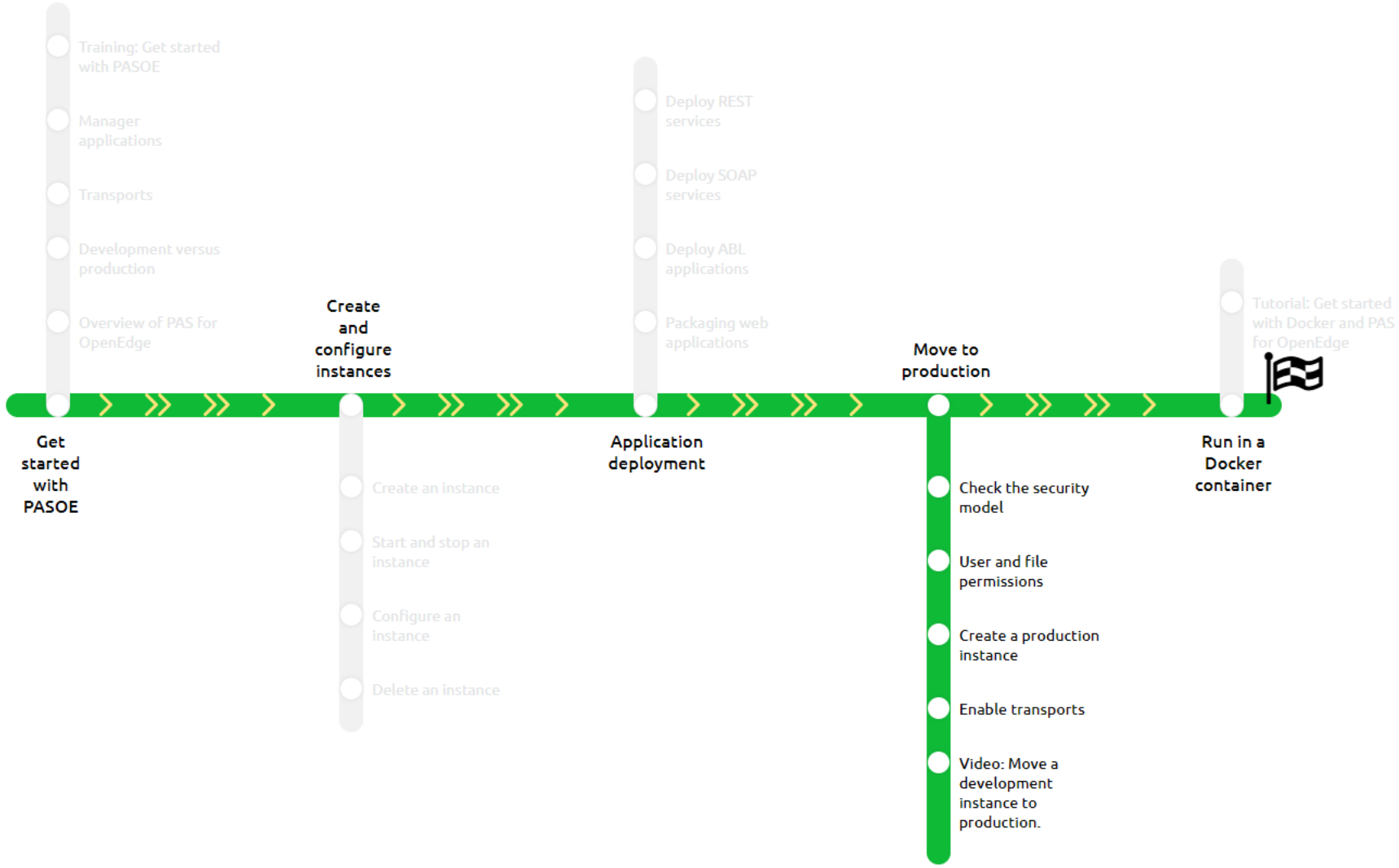
OpenEdge Knowledge Network

OpenEdge Knowledge Network

OpenEdge Knowledge Network

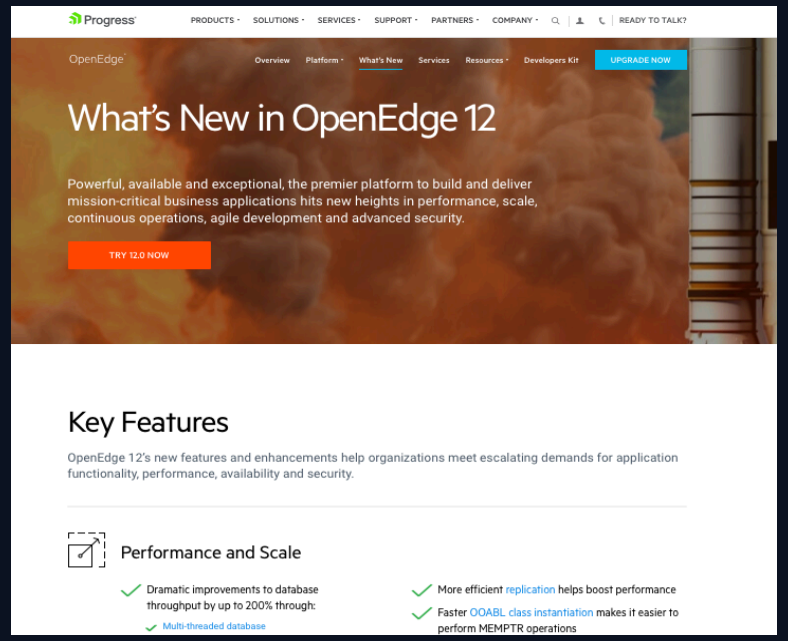


OpenEdge Knowledge Network

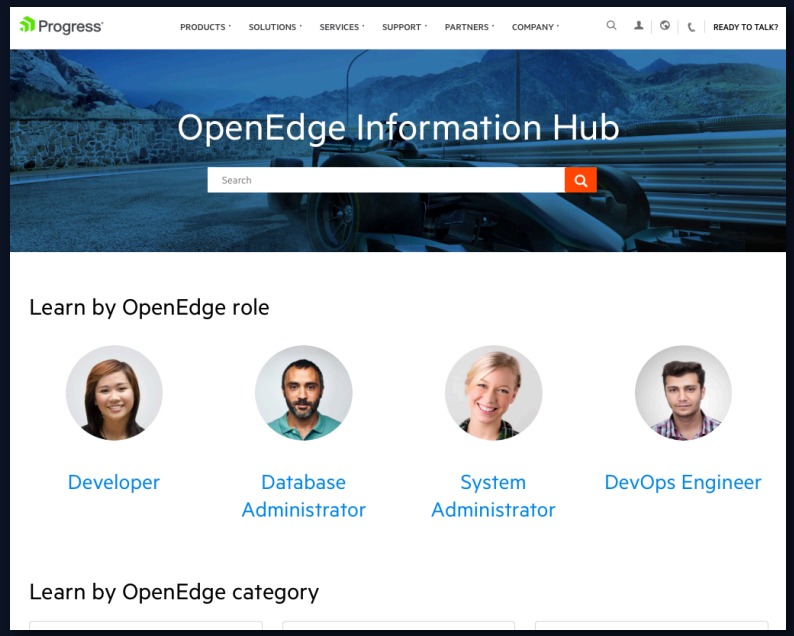


OpenEdge Knowledge Network

Learn More



Progress.com/openedge/whats-new



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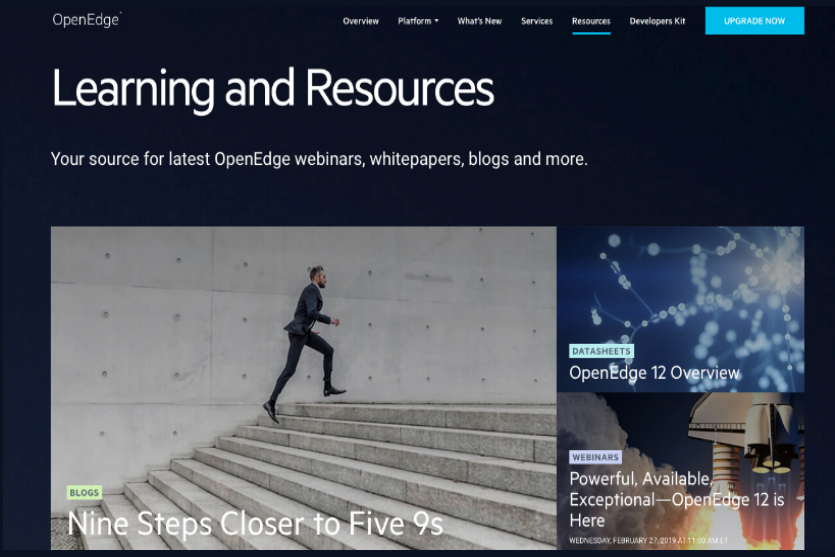

Resources Page

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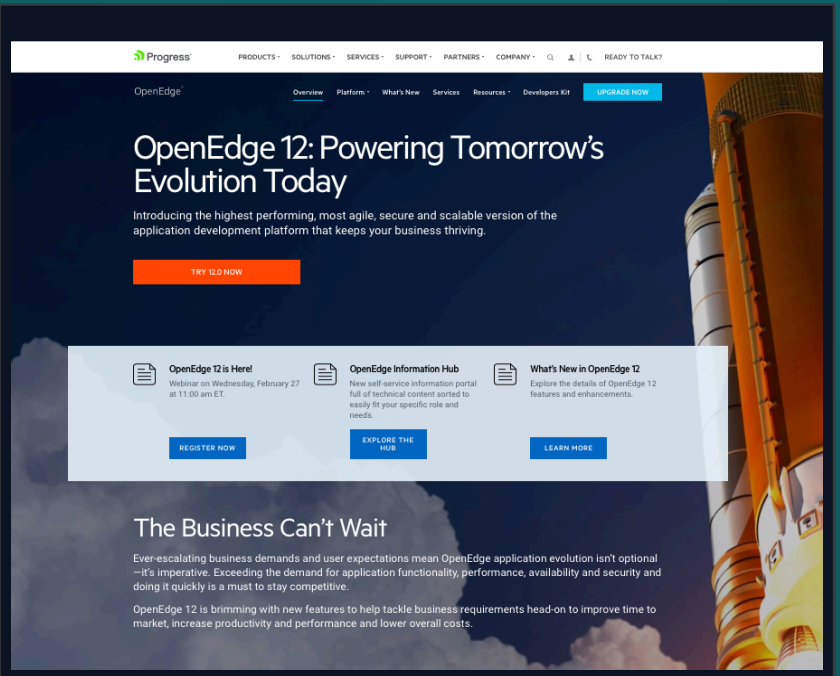
Learn More



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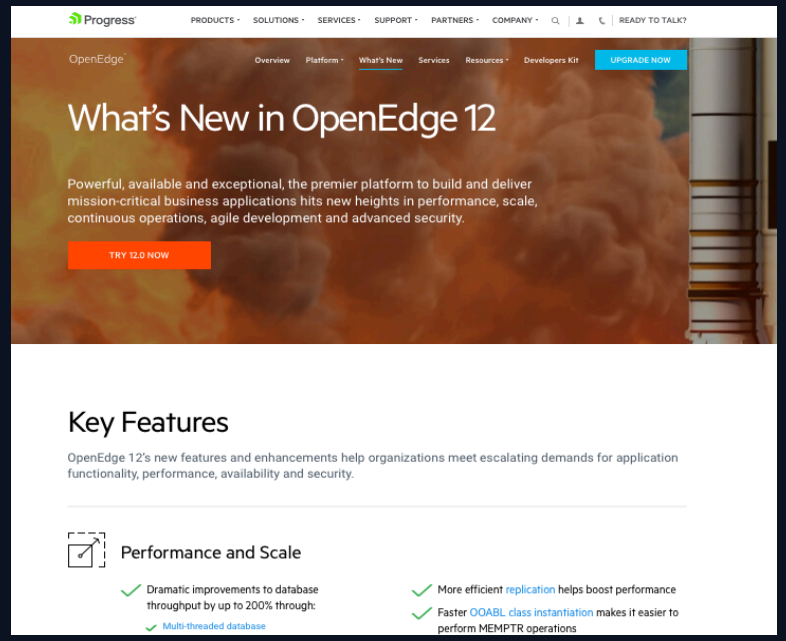

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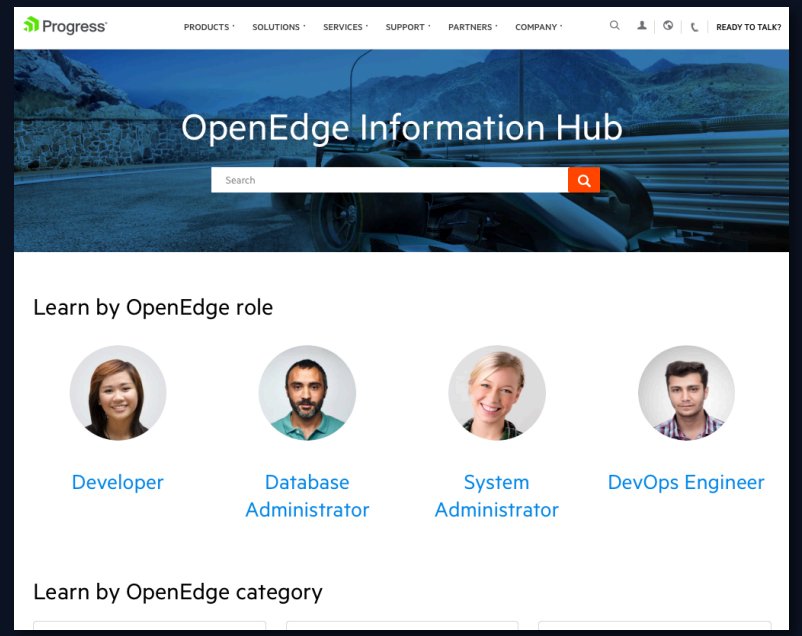

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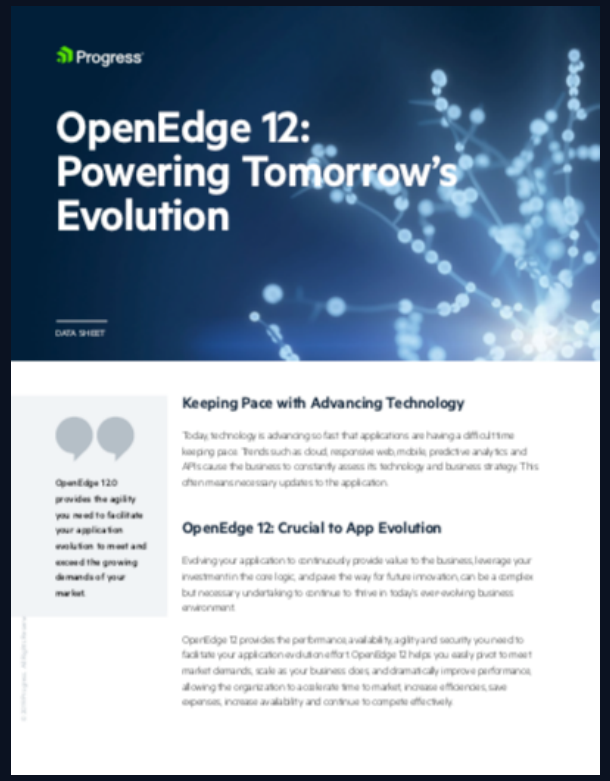
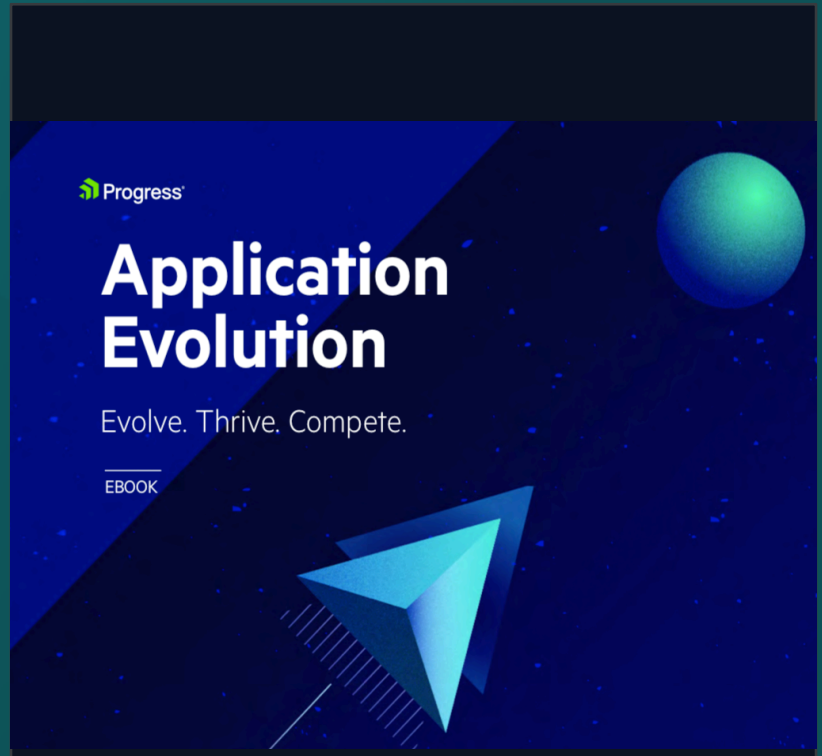
Collateral



12.0 Datasheet

Services Quickstart Eval.



eBook

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Progress® OpenEdge®

12.0

Powering Tomorrow's Evolution

Progress® OpenEdge® 12

- Dramatically increase database performance
- Elevate developer experiences and productivity
- Facilitate more continuous operations
- Lower overall costs

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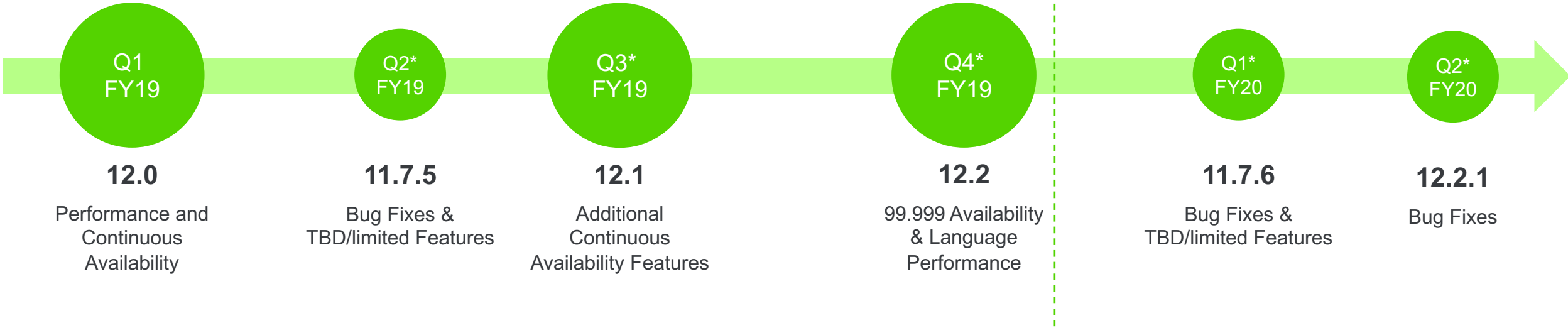
OpenEdge Calendar

Progress® OpenEdge®



* Target Dates

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