



OpenEdge® 12 Platform & Product Availability Guide

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The OpenEdge® Platform & Product Availability Guide reflects the current commercial releases for Progress Software's OpenEdge 12 products. This document does NOT address unannounced future product release plans. The information contained in this document is updated regularly and is subject to change without notice.

A *platform* is a collective term referring to a computing environment explicitly validated by Progress to deploy and use a given OpenEdge release. For this document, a platform includes operating systems, Java, Microsoft .Net, and, where relevant, other third-party products such as Apache Tomcat server and Perl. Expect some of these products to be supplied and maintained by OpenEdge customers, while Progress ships others with OpenEdge. In each case, this guide clarifies the expectations on the minimum supported versions and recommended patching/upgrade practices to ensure our ability to help you.

For platform and product information related to earlier Progress OpenEdge releases, please refer to the Availability and Compatibility information posted on Progress Information Hub at

<https://docs.progress.com/category/openedge-get-started>

Update Summary:

- Updated the list of supported operating systems. Added a column for supported processor architecture.
 - Added a note about support for different OS variants in the Operating Systems section.
 - Updated the Java section.
 - Added CentOS 8.x to the list of de-supported Operating Systems.
 - Removed the deprecation scheduled release for Supplemental PROMSGS from the table De-supported Features and Functionality. Supplemental PROMSGS will remain in the de-supported state without any plans for deprecation.
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1 OpenEdge Supported Platforms

1.1 Operating Systems

Table 1. Supported Operating Systems

Certified Operating Systems	OpenEdge Version	Supported Processor Architecture
Microsoft Windows Server 2019 (Version 1809)	12.0+	x86-64
Microsoft Windows Server 2016	12.0+	x86-64
Microsoft Windows 10 (Version 1903)	12.0+	x86-64
Microsoft Windows 8.1	12.0+	x86-64
Ubuntu 18.04 LTS	12.0+	x86-64
Ubuntu 20.04 LTS	12.2+	x86-64
Oracle Linux 8.2	12.2+	x86-64
Oracle Linux 8.1	12.2+	x86-64
Oracle Linux 7.6	12.0+	x86-64
Red Hat Enterprise Linux 8.2	12.2+	x86-64
Red Hat Enterprise Linux 8	12.0+	x86-64
Red Hat Enterprise Linux 7.6	12.0+	x86-64
CentOS 8.1	12.2+	x86-64
CentOS 7.6	12.2+	x86-64
SUSE Enterprise Server 15	12.0+	x86-64
SUSE Enterprise Server 12	12.0+	x86-64
SUSE Enterprise Server 15 SP2	12.2+	x86-64
SUSE Enterprise Server 12 SP5	12.2+	x86-64
Oracle Solaris 11.4 (SPARC)	12.2+	SPARC
Oracle Solaris 10 (SPARC)	12.1	SPARC
IBM AIX 7.2 TL3	12.0+	POWER

All supported Operating Systems are 64-bit. For information on supporting 32-bit Windows client application refer to section 1.1.2.

The “x86-64” architecture is also known as x64 or x86_64 and includes both AMD64 and Intel64.

Many Operating Systems have various offerings for a particular release optimized for different operating environments; for example, Microsoft Windows Server has Standard, Datacenter, and Essentials editions. Progress generally only certifies the OS vendor’s standard variation and trusts the OS vendor to guarantee binary compatibility with other editions.

Note, Operating Systems vendors regularly issue critical and security patches and updates (“Patches”) for their releases. Progress relies on the Operating System vendors to guarantee binary compatibility between their patches and kernel versions and therefore does not explicitly certify these patches.

1.1.1 Supporting Microsoft Windows Client Operating Systems (Effective June 2019)

Microsoft offers two flavors of its Windows Operating System (OS):

- a) Client OS (e.g., Windows 10) designed to run on personal computers, and
- b) Server OS (e.g., Windows Server 2019) optimized to handle mission-critical, heavy computing loads on production-grade servers.

This section describes how Progress supports OpenEdge-based applications deployed on Windows Client Operating Systems on different support cycles.

For its Client OS products, Microsoft offers a choice of lifecycle support options:

A. Windows Client OS Semi-Annual Channel (SAC)

The Semi-Annual Channel (SAC), introduced with Windows 10, targets users who wish to stay current on the latest features. In SAC, the cumulative updates are pushed out (often automatically) twice per year. For example, Windows 10 1903 release was made available on May 21, 2019.

What this means to you:

- Progress will not explicitly certify OpenEdge on new Windows Client OS SAC updates.
- Should you encounter a problem using OpenEdge after the latest Microsoft Windows SAC update is applied, you may open a support case with our Technical Support. Progress will make a reasonable effort to investigate the issue and help find a solution or a workaround, including, if necessary, working with Microsoft. In case a solution or a workaround is identified, we will share it proactively with our customers.
- If your deployment is mission-critical, to minimize the risk of incompatibility between the latest OS updates and your OpenEdge version, you should consider using Windows LTSC instead of SAC.

B. Windows Client OS Long Term Servicing Channel (LTSC)

The Enterprise Long Term Servicing Channel (LTSC) edition is more stable of the two and is appropriate for mission-critical use, with releases made available approximately once every three years.

What this means to you:

- Progress will make every effort to certify all then active and mature OpenEdge releases within **60 days** of Microsoft making Windows LTSC updates publicly available. Upon completing this certification, Progress will update this document (OpenEdge PAG).
- When you open a support case with our Technical Support, you may have to reproduce the reported issue on the certified Windows Client OS LTSC update. In some cases, updating to the latest certified LTSC version may be the only remedy available to you.

1.1.2 Supporting 32-bit Microsoft Windows Client Applications

Legacy OpenEdge client applications compiled to run on 32-bit Windows often depend on 32-bit ActiveX (or OCX) controls not supported on modern 64-bit Windows. To help our customers maintain these 32-bit applications,

1. OpenEdge's latest development tools generate platform-independent output to use on both 64 and 32-bit Windows.
2. The development tool supports 32-bit client-side AVM to validate the changes made by running updated or modified applications on their native 32-bit platform.

For additional information, please refer to the Knowledge Base Article "[HOW TO COMPILE AND RUN AN OPENEDGE APPLICATION WITH 32-BIT OCX USING OPENEDGE 12?](#)"

Note, If your application uses the 32-bit OpenEdge ODBC driver, you should compile the corresponding SQL application in 32-bit mode.

1.1.3 Supporting Linux

- OpenEdge is supported on Linux Operating System for the following processor architectures:
 - Intel x86
 - AMD64
 - Intel EM64T
- Support of the Network File System protocol version 3 (NFSv3) under the Linux Intel x86 platform for Progress OpenEdge products, mainly, the support of RDBMS files (physical and recovery) on an NFS partition, requires updates and features found within the 2.4.21 Linux Kernel and OpenEdge Updates (Service Packs in the past). Network File System (NFS) protocol versions NFSv2 and NFSv4 under Linux have not been certified and are therefore unsupported.

1.2 Web Browsers

OpenEdge does not certify any specific Web browser with any OpenEdge product release. Except as noted below, if a problem arises using a particular Web browser, please contact Progress Support for assistance.

Note, Microsoft Internet Explorer is known to have issues with modern web technologies, and we don't recommend using it.

1.3 Microsoft .NET

OpenEdge 12.2 is certified to work with Microsoft .NET v4.8.

Progress recommends you monitor Microsoft's critical updates for your supported version of Microsoft Windows and apply them as needed to stay current. As always, before updating your production environment, validate that the change will not cause issues.

1.4 Java

⚠ Starting with OpenEdge release 12.1 Java Development Kit (JDK) is no longer included with the product. Instead, the **supported JDK version must be available as a pre-requisite to the installation of OpenEdge.**

Table 2. JDK versions certified for OpenEdge 12.1

OS Platform	AdoptOpenJDK OpenJDK (Hotspot)	Oracle Java SE Development Kit	IBM SDK, Java Technology Edition
Microsoft Windows	jdk1.8u222-b10	1.8.0_221-b11	-
Linux	jdk1.8u222-b10	1.8.0_221-b11	-
Oracle Solaris	jdk1.8u222-b10	1.8.0_221-b11	-
IBM AIX	-	-	8.0.5.20

Table 3. JDK versions certified for OpenEdge 12.2 and later

OS Platform	AdoptOpenJDK OpenJDK	Oracle Java SE Development Kit
Microsoft Windows	jdk-11.0.4+11 (x64)	11.0.4+10
Linux	jdk-11.0.4+11 (x64) for Linux	11.0.4+10
Oracle Solaris	-	11.0.4+10
IBM AIX	jdk-11.0.6+10_openj9-0.18.1	-

The certified Java versions receive regular security patches from their vendors. Progress recommends customers to,

- Monitor Java vendor's updates for the latest security patches
- If you decide to apply the latest security patches, test in a non-production critical environment first

For your convenience, we list the sources where you can find security fixes and updates for the below recommended Java distributions,

- AdoptOpenJDK OpenJDK - <https://adoptopenjdk.net/index.html>
- Oracle JDK - <https://www.oracle.com/java/technologies/javase-downloads.html>
- IBM SDK, Java Technology Edition - <https://www.ibm.com/support/pages/java-sdk-downloads-version-110>

If you are using OpenEdge on Docker containers, refer to the relevant supplied documentation for recommended JDK.

1.5 Cloud and Virtualization Support Policy

Modern computing infrastructure technology continues to evolve towards virtualization and cloud to support growing scalability and performance demands. As a result, our customers are facing new choices and considerations when it comes to deployment and operating OpenEdge, including

- Server Virtualization including capabilities like VMware® VMotion™
- Virtual Desktop Infrastructures (VDI), for example, from Citrix
- Containerization, for instance, from Docker
- Cloud Computing, including AWS, Azure, and others

Unless explicitly stated, Progress supports OpenEdge on Operating Systems listed in this document, irrespective of any given cloud or virtualization technology. In case of any issue, the same problem should be reproducible on a standard OS installation to get support in line with the customer's support agreement, i.e., you must ensure that changes/customization of the cloud virtualization platform isn't causing the issue.

2 OpenEdge Product Availability by Platform

Note, this also covers File Systems. Refer to Note A in *Platforms and Product Notes*.

Table 4. OpenEdge Product Availability by Platform

Product Category	Product Name	Certification and key functionality details	Microsoft Windows Intel		Linux x64 Intel	Oracle Solaris SPARC	IBM AIX	Notes
			32 Bit	64 Bit	64 Bit	64 Bit	64 Bit	
OpenEdge Development	4GL Development System		✓	✓	✓	✓	✓	
	OpenEdge Studio			✓				
	Progress Developer Studio for OpenEdge			✓				
	OpenEdge Ultra Controls for .NET			✓				
OpenEdge Deployment	WebClient™		✓	✓				
	Client Networking		✓	✓	✓	✓	✓	
	Query/Results		✓	✓	✓	✓	✓	
	OpenEdge Personal RDBMS	OpenEdge RDBMS 4GL & SQL RDBMS support		✓	✓	✓	✓	
	OpenEdge Workgroup RDBMS	Support for SQL Stored Procedures		✓	✓	✓	✓	
	OpenEdge Enterprise RDBMS	Native JDBC Drivers (embedded)		✓	✓	✓	✓	
	OpenEdge Advanced Enterprise Edition RDBMS	Type-4 v4.0 and Type-5 v5.1		✓	✓	✓	✓	
		Native ODBC Drivers (embedded) v5.3 and v7.1		✓	✓	✓	✓	
	Transparent Data Encryption			✓	✓	✓	✓	
	Multi-tenant Tables			✓	✓	✓	✓	B
	Table Partitioning			✓	✓	✓	✓	B
	OpenEdge DataServer for Oracle	OpenEdge 12.2 and higher – Oracle 19c (19.3.0.0)	✓	✓	✓	✓	✓	C
		OpenEdge 12.1 and higher - Oracle 18c (18.3.0.0)	✓	✓	✓	✓	✓	C
		Oracle 12c R2 (12.2.0.1)	✓	✓	✓	✓	✓	C
		Oracle 12c R1 (12.1.0.2)	✓	✓	✓	✓	✓	C
	OpenEdge DataServer for Microsoft SQL Server	OpenEdge 12.2 and higher - Azure SQL Database (ODBC17 driver for SQL Server, SQL Native Client 11, Data Direct ODBC driver)	✓	✓				D
		OpenEdge 12.1 and higher - MS SQL Server 2019 (ODBC17 driver for SQL server, SQL Native Client 11, Data Direct ODBC driver, SQL server)	✓	✓				

Product Category	Product Name	Certification and key functionality details	Microsoft Windows Intel		Linux x64 Intel	Oracle Solaris SPARC	IBM AIX	Notes
			32 Bit	64 Bit	64 Bit	64 Bit	64 Bit	
		MS SQL Server 2017 (ODBC17 driver for SQL server, SQL Native Client 11, Data Direct ODBC driver, SQL server)	✓	✓				
		MS SQL Server 2016 (ODBC17 driver for SQL server, SQL Native Client 11, Data Direct ODBC driver, SQL server)	✓	✓				
		MS SQL Server 2014 (ODBC17 driver for SQL server, SQL Native Client 11, Data Direct ODBC driver, SQL server)	✓	✓				
		MS SQL Server 2012 (SQL Native Client 11, Data Direct ODBC driver, SQL server)	✓	✓				
	Progress Application Server for OpenEdge	Production and Development		✓	✓	✓	✓	
	OpenEdge Explorer			✓	✓	✓	✓	
	OpenEdge Management	Standard Edition Console & Trending Database		✓	✓	✓	✓	
		Remote OpenEdge and operating system monitoring		✓	✓	✓	✓	
		SNMP Adapter		✓	✓	✓	✓	
	OpenEdge Replication	OpenEdge Replication		✓	✓	✓	✓	
		OpenEdge Replication Plus		✓	✓	✓	✓	

2.1 Progress Application Server (PAS) for OpenEdge

The table below lists the Apache Tomcat versions supplied with PAS for OpenEdge.

Table 5. Apache Tomcat versions

OpenEdge Release	Tomcat Version
12.0 , 12.1	9.0
12.2	9.0.30
12.3	9.0.37

2.1.1 Tomcat Update Policy

Progress OpenEdge embeds a version of the Apache Tomcat Web server in the Progress Application Server (PAS) for OpenEdge product and recognizes customer requirements to keep up-to-date with Apache Tomcat security patches. The best way to get the latest security fixes for Tomcat is to upgrade to the newest version of PAS for OpenEdge.

Suppose you cannot upgrade to the latest version. In that case, you can try to replace the core Apache Tomcat server libraries that you may update from an official Apache Tomcat distribution (e.g., <http://tomcat.apache.org/migration.html>) of *the same release version*. The patch is applied must be a higher version. The core Tomcat server libraries contain most of the security patches.

Note: An Apache Tomcat distribution also contains configurable text files that *cannot* be updated without invalidating the PAS for OpenEdge security configuration, ABL language support, and its integration with the overall OpenEdge product set. Please review the “Tomcat configuration file differences” section in the correct version of the link above. Please consult with Progress Technical Support before altering these text files.

The possible list of files that may be safe to update from an official Apache Tomcat distribution includes:

```
$DLC/servers/pasoe/bin/bootstrap.jar
$DLC/servers/pasoe/lib/*.jar
$DLC/servers/pasoe/bin/catalina.{sh|bat}
$DLC/servers/pasoe/bin/daemon.{sh|bat}
$DLC/servers/pasoe/bin/setclasspath.{sh|bat}
```

Patching the PAS for OpenEdge SSL/TLS capability may require updating the JDK version. Please refer to the *Java* section for information on updating JDK versions.

Please note that Progress cannot formally certify each security patch released by Apache. You can report the issues that arise from installing these patches to Progress Technical Support for further assistance, so long as they are part of the same major Tomcat release version. But realize Progress may not resolve the issue without requiring you to upgrade to the latest version of OpenEdge.

2.2 Progress Developer Studio (PDS) for OpenEdge

The table below summarizes component versions within PDS for OpenEdge.

Table 6. Eclipse IDE Versions

OpenEdge Release	Eclipse Version
12.0 and 12.1	4.9
12.2 and 12.3	4.13

2.2.1 Eclipse Update Policy

Progress ensures the version of Eclipse shipped with OpenEdge is fully supported. We advise you against changing the Eclipse version as it may render the product inoperable and/or lead to difficult troubleshoot issues. If, despite this advice, you change the Eclipse version and then contact Progress Technical Support with problems caused by this change, we may ask you to reproduce the reported issue with the supported Eclipse version.

2.3 Progress OpenEdge Adapters

Starting with OpenEdge release 12.2, both JMS Adapter and Sonic ESB Adapter have separate installers.

Unlike other OpenEdge products that require JDK 11, these adapters require JDK 8 as a prerequisite. *Table 2. JDK versions certified for OpenEdge 12.1* lists the certified versions for JDK 8.

2.3.1 Progress OpenEdge JMS Adapter

Progress OpenEdge JMS Adapter supports any JMS1.1 or higher compliant vendor implementation. Progress validated this with Aurea Messenger MQ (formerly known as Aurea SonicMQ), ArtemisMQ, and WebsphereMQ.

2.3.2 OpenEdge Adapter for Sonic ESB

Table 7. Compatibility between OpenEdge Adapter for Sonic ESB and Aurea Messenger ESB (formerly known as Aurea Sonic ESB). Other vendors are not supported.

OpenEdge Adapter for Sonic ESB	Aurea Messenger ESB
12.1 and higher	2018 R2 and higher

2.4 New Relic

Customers with the New Relic APM subscription can benefit from complementary OpenEdge plugins. These plugins collect the availability and performance metrics for OpenEdge Database and PAS for OpenEdge, making it easier to monitor OpenEdge applications using the New Relic tool, side by side with other relevant Information Technologies.

Table 8. New Relic Plugin for PAS for OpenEdge

New Relic Plugin for PAS for OpenEdge	Compatible OpenEdge Version
pasoenr-2020.1.0-release.zip	12.2.0
pasoenr-2019.3.0-release.zip	12.1.0,11.7.5,11.7.4,11.7.3

Table 9. New Relic Plugin for OpenEdge Database

New Relic Plugin for OpenEdge Database	Compatible OpenEdge Version
oedbnr -2020.1.0-release.zip	12.2
oedbnr-2019.3.0-release.zip	12.1, 12.0, 11.7.5

2.5 Apache Ant

The Apache Ant build tool is used by Progress OpenEdge, by the installer for tailoring, by PDS for OpenEdge, and is required with PCT.

OpenEdge 12.2 ships with and is certified to work with Apache Ant 1.10.6. Progress does not recommend replacing the shipped version of Ant with another version.

2.6 Gradle

The OpenEdge DevOps Framework version 1.0.0 is certified on Gradle 5.6.1.

2.7 Perl

Some of the Progress OpenEdge tools (e.g., PAS for OpenEdge Migration Wizard) use Perl programming language.

OpenEdge 12.2 ships with Perl version 5.26.1 compiled by Progress directly from the source code. Progress does not recommend replacing the shipped version of Perl with another version.

Note, except for Linux and AIX- based distributions, a 32-bit version of Perl is shipped with OpenEdge 64-bit Product. Before using Perl (or utilities using Perl), install all dependent libraries (32-bit) of Perl as specified in the corresponding documentation.

3 Feature / Functionality Obsolescence

Progress OpenEdge Life Cycle Policy Guide defines the terms for De-Support and Deprecation.

3.1 De-supported Features and Functionality

The following table contains the current list of de-supported features and operating systems for OpenEdge 12. Timeframe details are published to help partners and customers with their planning. We recommend substituting obsolete functionality with appropriate equivalents as indicated in the following table.

Table 10. De-supported Features and Functionality

De-Supported Feature or Functionality	Replacement Feature	De-Support Information	
		Deprecation Scheduled For	Notes
Supplemental PROMSGS	None		In addition to English, OpenEdge supports 13 languages out of the box. OpenEdge also provides 21 downloadable supplemental languages that will no longer be maintained.
CentOS 8.x	N/A	OpenEdge 12.5	Red Hat has discontinued CentOS and has announced an early end of life for CentOS 8 by December 31, 2021. CentOS 7.x will reach its end of life in June 2024.

3.2 Deprecated Features and Functionality

The following table contains the current deprecated features and operating systems for OpenEdge 12.0. Timeframe details are published to help partners and customers with their planning. We recommend substituting obsolete functionality with appropriate equivalents, as indicated in the following table.

Table 11. Deprecated Features and Functionality

Deprecated Feature or Functionality	Replacement Feature	Deprecation Information	
		Announced OpenEdge Version	Notes
Aurea Messenger (Sonic) MQ client jar is included with OpenEdge distribution	None	OpenEdge 12.2	<ul style="list-style-type: none">• Since OpenEdge 12.2 requires Java 11, and Aurea Messenger still requires Java 8, the latest Aurea Messenger MQ client jar is no longer distributed by Progress.• Progress OpenEdge JMS Adapter now supports multiple JMS 1.1 implementations, not just from Aurea. If required, Aurea Messenger MQ client jars are available directly from Aurea.
Enhanced support for Aurea Messenger MQ by Progress OpenEdge Management (OEM) and	None	OpenEdge 12.2	OEM/OEE will continue supporting Aurea Messenger MQ Adapter configuration, management, and monitoring for OpenEdge releases before 12.2.

Deprecated Feature or Functionality	Replacement Feature	Deprecation Information	
		Announced OpenEdge Version	Notes
Progress OpenEdge Explorer (OEE)			
Failover Cluster Managers	None	OpenEdge 12.2	<ul style="list-style-type: none"> Microsoft Windows Server 2016 Failover Clusters (64-bit OpenEdge only) PowerHA 7.1 (HACMP 7.1) with AIX 7.1
Progress OpenEdge Application Server (Basic and Enterprise), including Progress WebSpeed	Progress Application Server (PAS) for OpenEdge	OpenEdge 12.0	Trade-in Value is available for OpenEdge Application Server licenses under a current Maintenance contract towards the purchase of PAS for OpenEdge.
WebSpeed Workshop	Progress Development Studio (PDS) for OpenEdge	OpenEdge 12.0	WebSpeed Workshop was part of Progress WebSpeed, which is already deprecated.
V9 Debugger	V12 Debugger	OpenEdge 12.0	
Embedded SQL-89/C	None	OpenEdge 12.0	
Translation Manager	None	OpenEdge 12.0	
Progress Dynamics	None	OpenEdge 12.0	Progress Dynamics source code can be used and maintained by users in OpenEdge 12.
OpenEdge Replication Synchronous Commit	None	OpenEdge 12.0	Not a performant solution
MD5 & RC4 ciphers	Assorted current ciphers	OpenEdge 12.0	<p>Both ciphers have documented vulnerabilities.</p> <p>While these ciphers are removed from internal use by OpenEdge, they continue to be available for ABL application use. ABL application developers are encouraged to update their products and replace these algorithms because OpenEdge may drop their support in some future release.</p>
Ability to directly link C code to the AVM running on the application server	Host Language Call (HLC) feature in OpenEdge 12.2	OpenEdge 12.0	Progress supported this in Classic AppServer, which is not part of release 12.x. PAS for OpenEdge has never supported this.

4 Platforms and Product Notes

- A. File System Support (NFS, iSCSI, CIFS, ZFS, and Encrypted file systems): No matter which operating system you prefer, there are numerous choices for file systems available, each with different performance characteristics and limitations.

In general, Progress Software does not support or certify specific file systems for use as OpenEdge RDBMS storage. File systems are part of an operating system, just as device drivers are, and are supported by their respective operating system suppliers. If there are bugs or defects, Progress cannot correct them - the operating system supplier is responsible for that. Furthermore, certification testing of any operating system using any file system is done from correct functionality and does not consider performance metrics. Different file systems may have performance-related side effects that are a by-product of how the file system operates. Progress advises users to carry out extensive acceptance testing and seek vendor guidance if performance issues arise. Progress Software cannot help customers configuring any file system to manage performance or other characteristics.

The OpenEdge RDBMS works well with most file systems. As long as the operating system's file access API implementation is correct, the file system's options configuration is proper, and the supplier's patches are up to date. Only rare instances have Progress Software certified file systems or other storage products as OpenEdge RDBMS storage. These were done on an exception basis, usually in cooperation with the respective vendors, and include Network File System (NFS), which is supported starting with NFS Version 3; NetApp Filers; EMC SRDF; and iSCSI, which is supported beginning with the OpenEdge 10.1A release.

For leveraging UNIX/Linux/Windows Encrypted File Systems, OpenEdge products have no restrictions provided the encryption technology is truly transparent to the Operating System. There are no plans to certify Encrypted File System Technology formally. The EFS technology transparently allows files to be stored encrypted on NTFS file systems.

XFS is the default file system for RHEL 8.0 64-bit/CentOS 8.0 64-bit, and OpenEdge certifications have been carried out using XFS.

- B. Report Builder Engine is not supported with tables with Table Partitioning, or Multi-Tenancy enabled against them. Also:
- The Report Builder Engine will only work with tables in a partitioned database that is not partitioned. The Report Builder Engine will return an error if the report in question attempts to access a table in a partitioned database that has been partitioned.
 - The Report Builder Engine will only work with tables in a multi-tenant database that is shared tables. The Report Builder Engine will return an error if the report in question attempts to access a table in a database that has been defined as multi-tenant.

- C. Oracle RDBMS Support: Indicates platforms where the Oracle RDBMS product may not be commercially available, but the OpenEdge DataServer can be installed to provide client/server access to remote Oracle RDBMS instances. For operating systems that support 32-bit and 64-bit applications, Oracle 12 and later are only available as 64-bit products. The 32-bit based OpenEdge DataServer for Oracle can access a 64-bit Oracle Database instance via 32-bit Oracle Client software.

The table below provides information on the OpenEdge certification of Oracle for the OpenEdge DataServer for Oracle. The Oracle client version given in the table was used for certification testing. However, other client versions of the same Oracle release are also supported. The same version (listed in the “Oracle Certified Version” column) of Oracle Server and OCI Client Libraries were used for certification.

Table 12. OpenEdge certification of Oracle for the OpenEdge DataServer for Oracle

Oracle Database Version	Oracle Certified Version	Microsoft Windows		Linux x86 on Intel	Oracle Solaris (SPARC)	IBM AIX
		32-bit	64-bit			
19C	19.3.0.0	12.2	12.2	12.2	12.2	12.2
18C	18.3.0.0	12.1	12.1	12.1	12.1	12.1
12c R2*	12.2.0.1	12.0	12.0	12.0	12.0	12.0
12c R1*	12.1.0.1	12.0	12.0	12.0	12.0	12.0

* In addition to the current support for Oracle 19c, the OpenEdge DataServer for Oracle is certified for Oracle 18c with multi-tenant enabled databases.

- D. While migrating OpenEdge sequences to Microsoft Azure SQL Database, the native sequences should be used instead of the revised sequences. The revised sequences do not work with Microsoft Azure SQL Database.