

OpenEdge® 11 Platform & Product Availability Guide

Current version: February 11, 2014

Previous version: January 2, 2014

Update Summary (new content indicated by red text within the document):

- SQL Native Client 11 certification with MS SQL Server DataServer
- Updated several links to reference documents in their new locations on the Progress Community

Introduction

The OpenEdge® Platform & Product Availability Guide reflects the current commercial releases for Progress Software's OpenEdge 11 products. This document does NOT address unannounced future product release plans. The information contained in this document is updated on a regular basis and is subject to change without notice.

For platform and product information relating to earlier OpenEdge releases please go to the Availability Guide homepage on the Progress Community:

<https://community.progress.com/technicalusers/w/openedgegeneral/1501.openedge-lifecycle-and-platform-availability-guide.aspx>

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OpenEdge 11 Platforms

						OpenEdge	
OS Vendor	CPU Architecture	Port Code	JDK*	Compiler	Certification Platforms (Version numbers are the minimum supported)	32 bit	64 bit
HP	HP-UX 11iv3 64Bit (PA-RISC)	0036	1.6.0.07**	aCC 3.90	HP-UX 11i v3 (Build platform)		✓°
	HP-UX 11i v3 64 bit (ITANIUM)	0040	1.7.0_02** 1.6.0.07	aCC 6.25	HP-UX 11i v3 (Build platform)		✓
Microsoft	Windows 2003 R2 32bit (INTEL/AMD)	0031	1.7.0_05** 1.6.0_27	Visual Studio 2010	Windows XP Professional SP3	✓	
					Windows 7	✓	✓
					Windows 2003 R2 (Build platform)	✓	✓
					Windows Server 2008 R2	(L)	✓
					Windows 8 (OpenEdge 11.1 and higher)	(L)	✓
					Windows Server 2012 (OpenEdge 11.1 and higher)	(L)	✓
	Windows 2008 R2 64bit (INTEL/AMD)	0033	1.7.0_05** 1.6.0_27_x64	Visual Studio 2010	Windows Server 2008 R2 (Build platform)	(L)	✓
					Windows 8 (OpenEdge 11.1 and higher)	(L)	✓
					Windows Server 2012 (OpenEdge 11.1 and higher)	(L)	✓
Sun	Solaris 10 64Bit (SPARC)	0039	1.7.0_07** 1.6.0_27	Sun Studio 12.2	Solaris 10 (Build platform)		✓
					Solaris 11 (OpenEdge 11.1 and higher)		✓
IBM	AIX 5.3 64Bit (POWER)	0037	1.7.0_20110810_1208** 1.6.0_20071205_64	XL C/C++ 11.0	AIX 5.3 (Build platform for OE 11.0 only – AIX 5.3 dropped for OE 11.1 and higher)		✓
					AIX 6.1 (Build platform for OE 11.1 and higher)		✓
					AIX 7.1 (Certified on OE 11.2 and higher)		✓
Linux	Linux 5.4 32Bit (INTEL)	0034	1.7.0_07** 1.6.0_27	GCC 4.1.2	SuSE Enterprise Server 11		✓
					Oracle Linux 5.4	✓	✓
					CentOS 5.4	✓	✓
					CentOS 6.1	✓	✓
					Red Hat 5.4 (Build platform)	✓	✓
					RedHat 6†‡	✓	✓
	Linux 5.4 64Bit (INTEL)	0043	1.7.0_07** 1.6.0_27	GCC 4.1.2	SuSE Enterprise Server 11		✓
					Oracle Linux 5.4		✓
					CentOS 5.4		✓
					CentOS 6.1		✓

						OpenEdge	
OS Vendor	CPU Architecture	Port Code	JDK*	Compiler	Certification Platforms (Version numbers are the minimum supported)	32 bit	64 bit
					Red Hat 5.4 (Build platform)		✓
					Red Hat 6.1†		✓

*Beginning with OpenEdge 11.1, the JDK is embedded in every platform. Previously it was embedded only in Windows and Solaris.

†To run the 32-bit OpenEdge product on a Red Hat Enterprise Linux 6.x operating system, you must first install the libstdc++-4.4.4-13.el6.i686.rpm RPM, which can be found on the Red Hat installation media.

‡If using IPV6 with OpenEdge on a Red Hat Enterprise Linux 6.x operating system, you will need to add -agenthost 0::0 to the agent connection string (srvrStartupParam) in the ubroker.properties file. This forces a specific Application Server and all of its agents to communicate only with IPV6. If you have a mixed environment of IPV4 and IPV6, you will need to have dedicated Application Servers for each protocol version.

**Java 1.7 is certified for OpenEdge 11.2 and higher with the exception of PDSOE, which is certified for Java 1.7 on OpenEdge 11.3 and higher. For OpenEdge 11.0 and 11.1, Java 1.6 is certified. For the HP PA-RISC platform only, Java 1.7 is unavailable. Note that for OpenEdge 11.2, the one exception to Java 1.7 certification is Progress Developer Studio for OpenEdge (PDSOE). PDSOE for OpenEdge 11.2 is still certified only for Java 1.6.

°Support for the HP PA-RISC platform is discontinued beginning with OpenEdge 11.3. This de-support impacts only OpenEdge 11.3 and higher. Support for HP PA-RISC will continue on all prior releases where it already exists, including OpenEdge 10.x, OpenEdge 11.0, OpenEdge 11.1, and OpenEdge 11.2.

OpenEdge 11 Cloud Certifications

Cloud Technology	Supported Platforms (Version numbers are the minimum supported)	32 bit	64 bit
Amazon EC2	CentOS 5.2 and above	✓	✓
	Windows 2003 R2	✓	✓
	Windows 2008 R2	✓	✓
	RedHat 5.4	✓	✓
	RedHat 6.1	✓	✓
	Linux AMI 2012.03.3	✓	✓

OpenEdge 11 Product Availability by Platform

Product Category	Product Name	Certification and key functionality details	MS Windows Intel		Linux x86 Intel		IBM AIX	Solaris	HP UX PA-RISC	HP-UX Itanium	Notes
			32 Bit	64 Bit	32 Bit	64 Bit	64 Bit	64 Bit	64 Bit	64 Bit	
OpenEdge Development	WebSpeed® Workshop		✓	✓ ^a							
	4GL Development System		✓	✓ ^a	✓	✓	✓	✓	✓	✓	
	Translation Manager		✓	✓ ^a							
	Visual Translator		✓	✓ ^a							
	OpenEdge Studio	Includes Progress Dynamics®	✓	✓ ^a							
	OpenEdge Development Server		✓	✓	✓	✓	✓	✓	✓	✓	
	Progress Developer Studio		✓	✓ ^a							
	OpenEdge Ultra Controls for .NET		✓								
OpenEdge Deployment	Client Networking		✓	✓ ^a	✓	✓	✓	✓	✓	✓	
	Query/Results		✓	✓ ^a	✓	✓	✓	✓	✓	✓	
	OpenEdge Personal RDBMS OpenEdge Workgroup RDBMS OpenEdge Enterprise RDBMS	OpenEdge RDBMS (Workgroup and Enterprise) 4GL & SQL RDBMS support	✓	✓	✓	✓	✓	✓	✓	✓	
		OpenEdge RDBMS (Personal only) 4GL & SQL RDBMS support	✓	✓ ^a	✓	✓	✓	✓	✓	✓	
		Support for SQL Stored Procedures	✓	✓	✓	✓	✓	✓	✓	✓	
		Native JDBC Drivers Type-4 v3.7	✓	✓	✓	✓	✓	✓	✓	✓	
		Native JDBC Drivers Type-4 v4.0	✓	✓	✓	✓	✓	✓	✓	✓	
		Native JDBC Drivers Type-5 v5.0 (Starting with OpenEdge 11.1)	✓	✓	✓	✓	✓	✓	✓	✓	
		Cluster Manager Integration (OpenEdge Enterprise RDBMS only)	✓	✓			✓	✓	✓	✓	A
		Native ODBC Drivers (embedded) v5.3	✓	✓	✓	✓	✓	✓	✓	✓	
		Native ODBC Driver (embedded) 7.0 (Starting with OpenEdge 11.1)	✓	✓	✓	✓	✓	✓	✓	✓	
	Transparent Data Encryption	OpenEdge Enterprise RDBMS only	✓	✓	✓	✓	✓	✓	✓	✓	
	Multi-tenant Tables	OpenEdge Enterprise RDBMS only	✓	✓	✓	✓	✓	✓	✓	✓	
	WebClient™		✓								
	NameServer Load Balancer		✓	✓	✓	✓	✓	✓	✓	✓	
	OpenEdge DataServer for Oracle	Oracle 11g R2 (OE 11.1 and higher)	✓	✓	✓	✓		✓		✓	B
		Oracle 11g R1	✓	✓	✓	✓	✓	✓		✓	B
		Oracle 10gR2	✓	✓	✓	✓	✓	✓	✓	✓	B
		Oracle 10g R1	✓		✓	✓	✓	✓	✓	✓	B
		Oracle 9i	✓						✓		B
	OpenEdge DataServer for ODBC (Mature)	Sybase Adaptive Server 12.5	✓	✓							
		Sybase Adaptive Server 15.0.3	✓	✓							
		DB2 UDB 8.1	✓	✓							
		DB2 UDB 9.1	✓	✓							
		DB2 UDB 9.5	✓	✓							
		DB2 UDB 9.7	✓	✓							
		DB2/400 (V5R1-V5R3)	✓	✓							
		DB2/400(V5R3-V5R4)	✓	✓							
	OpenEdge DataServer for Microsoft SQL Server	MS SQL Server 2000	✓								
		MS SQL Server 2005	✓	✓							
		MS SQL Server 2008	✓	✓							

Product Category	Product Name	Certification and key functionality details	MS Windows Intel		Linux x86 Intel		IBM AIX	Solaris	HP UX PA-RISC	HP-UX Itanium	Notes
			32 Bit	64 Bit	32 Bit	64 Bit	64 Bit	64 Bit	64 Bit	64 Bit	
		MS SQL Server 2008 R2	✓	✓							
		MS SQL Server 2012 (11.1+)	✓	✓							
	OpenEdge Application Server	Basic Edition	✓	✓	✓	✓	✓	✓	✓	✓	
		Enterprise Edition	✓	✓	✓	✓	✓	✓	✓	✓	
	OpenEdge Explorer		✓	✓	✓	✓	✓	✓	✓	✓	
	Adapters (not all of the operating systems supported by the OpenEdge 11 platform are available, please refer to the Sonic Software website for more details)	OpenEdge 11 Adapter for SonicMQ OpenEdge 11 Adapter for Sonic ESB	Sonic Software Adapters are packaged with the products listed in Note C below, only for the platforms supported by Aurea Software								D
	OpenEdge Replication	OpenEdge Replication	✓	✓	✓	✓	✓	✓	✓	✓	
		OpenEdge Replication Plus	✓	✓	✓	✓	✓	✓	✓	✓	
	OpenEdge Management	Standard Edition Console & Trending Database	✓	✓	✓	✓	✓	✓	✓	✓	
		Remote OpenEdge and operating system monitoring	✓	✓	✓	✓	✓	✓	✓	✓	
		SNMP Adapter	✓	✓	✓	✓	✓	✓	✓	✓	

^aBeginning with OpenEdge 11.3, native Windows 64-bit support is extended to include the complete Windows Client, including the GUI runtime, PDSOE, and ADE Tools. The exception is the WebClient which will have native 64-bit Windows support in a later release.

Notes on 64-bit MS Windows GUI support on OpenEdge. (For additional programming-related considerations please see the ABL Reference for OpenEdge 11.3.) *These differences are all permanent unless otherwise noted.*

1. ProTools – The OpenEdge 64-bit Windows GUI Client does not support the following ProTools: Screen Capture, ProSpy Plus, and XML Schema Mapping.
2. AppBuilder – For the Structured Procedure object, you can create a structured procedure and use the Section Editor to modify it, however this is no tree view available in the structured procedure's window.
3. AppBuilder – For WebSpeed Remote Development, you can use the WebSpeed development tools with a local Web server, but not with a remote Web server on another system.
4. OCX's included with OpenEdge – The pstimer.ocx is the only 64-bit OCX control shipped with OpenEdge 11.3. The following OCX controls are no longer supported in the OpenEdge 64-bit Windows GUI Client: cscomb32.ocx, cslist32.ocx, and csspin32.ocx.
5. Applications utilizing third-party OCX controls – If an application includes third-party OCX controls, it is necessary to use a 64-bit version of the control on the OpenEdge 64-bit Windows GUI Client. Developers should contact the OCX provider to determine whether a 64-bit version of the control is available.
6. "Bit-ness" for OCX and DLL files must match the "bit-ness" of the Windows O/S. E.g., 32-bit OCX files are supported only on the 32-bit Windows O/S, and 64-bit DLL's are supported only on the 64-bit Windows O/S.
7. Image file types – The OpenEdge 64-bit Windows GUI Client supports only the following image file types:
BMP (Windows Bitmap)
GIF (Graphics Interchange Format)
ICO (Microsoft Icon File Format)
JPEG (Joint Photographic Experts Group)
PNG (Portal Network Graphics)
TIF (Tag Image File)
8. TranMan – The screen capture facility in TranMan is not supported on the OpenEdge 64-bit Windows GUI Client.
9. Progress.ini settings – The UseNative3D and UseSourceEditor settings are ignored or unavailable when using the OpenEdge 64-bit Windows GUI Client.

10. Report Engine – The Report Engine has not been ported to 64-bit Windows. The 32-bit Report Engine continues to ship with any product that includes the Report Engine.

Progress Developer Studio for OpenEdge (PDSOE)

The table below summarizes component versions within PDSOE.

OE Release	Eclipse (Shipped)	Eclipse (Supported)	XML Version	.Net Framework	JVM Version
11.3	3.7.1	3.8.0	3.3.1	4.0	1.7.0_02
11.2.1	3.7.1	3.8.0	3.3.1	4.0	1.6.0_27
11.2	3.7.1	3.8	3.3.1	4.0	1.6.0.27
11.1	3.6	3.7.1	3.2	4.0	1.6.0.27
11.0	3.6	-	3.2	4.0	1.6.0.27

Product Lifecycle Status and Schedule

The following table summarizes the Product LifeCycle profiles of the latest Progress and OpenEdge releases. LifeCycle change dates are platform-specific, therefore retired or de-supported platforms may have earlier Progress LifeCycle change dates than those listed below. [Such platforms include AS/400, DG/UX (Intel), IBM NUMA Sequent PTX, Siemens RM, SGI (Silicon Graphics), Unisys UNIX, HP Tru64 (EV7 Alpha), Linux PPC, and Solaris Intel.]

OpenEdge & Progress Versions	Lifecycle by Product Releases		
	Active	Mature	Retired
OpenEdge 11.3	July-13	-	-
OpenEdge 11.2	Feb-13	July-13	-
OpenEdge 11.1	Jun-12	Feb-13	-
OpenEdge 11.0	Dec-11	Jun-12	Jun-13
OpenEdge 10.2B	Dec-09	Dec-11	-
OpenEdge 10.2A	Nov-08	Dec-09	Feb-10
OpenEdge 10.1C	Feb-08	Aug-09	-
OpenEdge 10.1B	Dec-06	May-08	May-08
OpenEdge 10.1A	Dec-05	Mar-07	Mar-07
OpenEdge 10.0B	Aug-04	Mar-06	Mar-06
OpenEdge 10.0A	Dec-03	Nov-04	Nov-04
Progress V9.1E	Nov-04	Nov-06	-
Progress V9.1D	May-02	Feb-05	Feb-05
Progress V8.3E	Dec-01	Mar-02	Feb-10
Progress V8.3D	Jan-00	Mar-02	Mar-02

Notes on Platforms and Products

Build Platform: This Operating System edition is used for the compilation and building of the OpenEdge Binaries. Custom binary creation using OpenEdge Build Scripts should be performed using this Operating System.

Certification: This Operating System edition has been tested using the binaries created under the 'Build Platform'

Limited: Certain restrictions apply. Please refer to the 'Platforms and Product Notes' chapter for more details.

LifeCycle Status: For full details refer to:

http://download.progress.com/open/openedge/pag/OpenEdge_Product_Life_Cycle_Guide-May_2010.pdf?_ga=1.75901269.1580303873.1391075563

OS Service Pack / Maintenance Pack Support: OS updates are not automatically certified but are supported where the OS vendor guarantees backwards compatibility with the base line OS level. Certification of OS updates may be performed if the backwards guarantee compatibility of the OS Service Pack / Maintenance Pack is questionable.

- A. Failover Cluster Managers certified and supported by OpenEdge 11:
- Microsoft Windows Server 2008 R2 Failover Clusters (64-bit OpenEdge only)
 - Microsoft Cluster Services MSCS V5.2 Windows Server 2003 R2 Enterprise Edition
 - IBM HA Cluster (HACMP) 5.3
 - IBM HA Cluster (HACMP) 5.4.1 with OS AIX 5.3
 - IBM HA Cluster (HACMP) 6.1 with OS AIX 6.1
 - Sun Solaris Sun Cluster 2.2, 3.0, 3.1, & 3.2
 - HP-UX Service Guard 11i (PA-RISC)
 - HP-UX Service Guard 11i (Itanium2)
- B. 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 11g, Oracle 10g and Oracle 9i release 2 are only available as a 64-bit product. The 32-bit based OpenEdge DataServer for Oracle is able to access a 64-bit Oracle Database instance via 32-bit Oracle Client software.
- C. OpenEdge & Sonic: OpenEdge & Sonic: OpenEdge and Sonic compatibility is documented at the following page on the Progress Community:

<https://community.progress.com/technicalusers/w/openedgegeneral/1519.openedge-adapters-for-sonic-platform-support-and-compatibility.aspx>

- D. 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 filesystems for use as OpenEdge RDBMS storage. Filesystems 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 the standpoint of correct functionality and does not take performance metrics into account. Different file systems may have performance-related side effects that are a by-product of how the file system operates. Users are advised to carry out extensive acceptance testing and seek vendor guidance when performance issues are observed. Progress Software is unable to assist customers with configuring any file system to manage performance or other characteristics.

The OpenEdge RDBMS works well with most filesystems as long as the operating system's file access API is properly implemented and the filesystem's options are properly configured and the supplier's patches have been applied. Only in very rare instances has Progress Software certified filesystems or other storage products for use 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. No formal certification of Encrypted File System Technology is planned. The EFS technology transparently allows files to be stored encrypted on NTFS file systems.

ZFS is the default file system for Sun Solaris 11 and the OpenEdge certification of that operating system was carried out using this default.

- E. Software support policy for Windows Tablet XP 2005: The Microsoft Windows XP Tablet 2005 operating system is a superset of the Windows XP Professional operating system; applications that are compatible with Windows XP Professional also run on Windows XP Tablet 2005 Edition. Progress Software does not guarantee support for Windows Tablet XP 2005 features that are not part of the Windows XP Professional operating system and any issues found with these Tablet XP features relating to Progress Software products, will need to be proven against the Windows XP Professional operating system before contacting Progress technical support. For more details on Windows Tablet XP 2005 features, support and compatibility please refer to the following on-line Microsoft documentation:
<http://support.microsoft.com/default.aspx?scid=kb:en-us;327160>

F. Application Virtualization software support and certification policies: Application Virtualization Software such as Citrix Metaframe, Citrix Presentation Server, HOBLink, VMware, and MS Windows Terminal Server are products that provide an abstraction layer that decouples the physical hardware from the ‘guest’ operating system to deliver greater IT resource utilization and flexibility. Progress OpenEdge provides full support with Application Software environments. The versions noted on the list below indicate support for the entire “family” of releases within the version. For example, support for “Citrix XenApp 6.x” extends to all Version 6 releases of XenApp and is not limited specifically to any particular one. With this in mind, here are the *minimum* supported vendors and versions of virtualization technologies:

- Citrix MetaFrame XPe
- Citrix XenServer Virtualization (formally known as XenSource) (4.1, 5.5, and 5.6)
- Windows Terminal Server (2003R2)
- Citrix Presentation Server (3.0 & 4.0 MS Windows)
- Citrix XenApp 5.x
- Citrix XenApp 6.x
- VMware Workstation 5, 6, 7, 8, 9
- VMware ESX/ESXi 3.5
- VMware vSphere v4.x (ESX 4.x, ESXi 4.x)
- VMware vSphere v5.x (ESX 5.x, ESXi 5.x)
- Solaris Zones/Containers
- HOBLink (MS Windows)
- IBM Logical Partitions for AIX
- HP Itanium Virtualization
- Microsoft Hyper-V Server 2008*
- Microsoft Hyper-V Server 2012*

*Due to manner in which Hyper-V technology manages shared memory, Progress Software recommends that performance testing be carried out to verify that there is not a negative performance impact on OpenEdge applications.

G. OpenEdge DataServer for Oracle certification table. The table below provides information on 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.

Oracle Version	Oracle Certified Version	Windows		Linux x86 on Intel		IBM AIX PPC		Solaris SPARC		HP-UX PA-RISC		HP-UX Itanium	SCO UnixWare
		32 Bit	64 bit	32 Bit	64 bit	32 Bit	64 bit	32 Bit	64 bit	32 Bit	64 bit	64 Bit	32 Bit
11g R2	11.2.0.1	10.2A	10.2A	10.2A	10.2A	✗	10.2B	✗	10.2A	✗	10.2B	10.2B	✗
11g R1	11.1.0.6	10.1C	10.2A	10.1C	10.1C	✗	10.1C	✗	10.1C	✗	10.1C	10.1C	✗
10g R2	10.2.0.1	10.1A	10.2A	10.1A	10.1A	10.1A	10.1A	10.1A	10.1A	✗	10.1A	10.1A	✗
10g R1	10.1.0.2	10.1A	✗	10.1A	10.1A	10.1A	10.1A	10.1A	10.1A	✗	10.1A	10.1A	✗
9i	9.0.1.1	9.1E	✗	✗	✗	✗	✗	9.1E	9.1E	✗	9.1E	✗	✗

✗ : Not certified

H. Web browser support: OpenEdge does not certify any specific Web browser with any release of OpenEdge product. If a problem arises using a specific Web browser, please contact Progress Global Customer Support for assistance.

I. Savvion and OpenEdge compatibility table

Savvion Version	OpenEdge Version	Savvion Uses OE DB	Dev Tool Integration Available	Comment
7.6.3	10.2B06	Y	N	
8.0.x	10.2B06	Y	N	

Savvion Version	OpenEdge Version	Savvion Uses OE DB	Dev Tool Integration Available	Comment
8.0.x	11.0	Y	Y	
8.0.x	11.1	Y	Y	The OE BPM integration features that are available in OE BPM 8.0 are supported.

J. OE BPM Runtime Support table

Platform	32-bit	64-bit
Windows XP	X	
Windows 7	X	
Windows 7		X
Windows 2003 R2	X	
Windows 2008 R2		X
AIX 6.1		X
AIX 7.1		X
HP-UX 11i v3 PA-RISC		X
HP-UX 11i v3 Itanium		X
RH Linux 5	X	
RH Linux 5		X
RH Linux 6	X	
RH Linux 6		X
Suse Linux 11	X	
Suse Linux 11		X
CentOS 5.5		X
OEL 5.5		X
Solaris 10 Sparc		X
Solaris 11 Sparc		X

K. The following versions of Windows SBS (Small Business Server) are supported: Windows SBS 2003 R2, Windows SBS 2008, Windows SBS 2011.

L. Note on 32-bit and 64-bit x86 environments (Operating System and CPU): OpenEdge 11 32-bit products are supported on operating systems that can sustain either 32-bit or 64-bit kernel modes. However, for ODBC clients using the 32-bit OpenEdge ODBC driver, the SQL application must be compiled in 32-bit mode.

M. Certification of Microsoft SQL Server 2012 for OpenEdge 11.1 and higher.

Drivers Certified with MS SQL Server 2012 :

- **SQL Native Client 11.0 (OpenEdge 11.3 and higher)**
- SQL Native Client 10.0
- SQL Native Client 9.0
- SQL Server
- Data direct driver 6.1

N. Mobility support, beginning with OpenEdge 11.2. The following mobile operating systems are supported:

- Apple iPhone – iOS 5 or higher
- Apple iPad – iOS 5 or higher

- Android devices – Android 4.0 or higher (Ice Cream Sandwich, Jelly Bean)
- Web browser (HTML5/CSS3/JavaScript) – latest versions

Notes on Linux

- General Linux Coverage: The Linux Operating System supports the following hardware platforms:
 - Intel x86 (32-Bit) ^(NB)
 - AMD64 (64-Bit) ^(NB)
 - Intel EM64T (64-Bit) ^(NB)
 - Itanium Processor Family
 - IBM zSeries (64-Bit)
 - IBM S/390 (31Bit)
 - IBM on POWER (IBM iSeries 64-Bit)

^(NB) Linux environments supported by OpenEdge

To support the seven different Linux platforms, there are an indeterminate number of Linux distributions in the market. Customers have consistently asked for stability, better performance, and reliability of the Linux platform as well as enterprise-class support. Progress Software cannot be effective in servicing customers if we attempt to support a large number of different Linux distributions. It is our intent is to support a selected set of distributions that have long lifecycles and that are well supported by the distributors and their partners. The primary Linux distributions supported are those from Red Hat and Novell SUSE (Enterprise editions only).

- Patches and Updates: Commercial updates are not automatically certified, Progress Software relies on the Operating System vendor to guarantee binary compatibility between their updates and kernel versions.
- Linux environment details: Support of the Network File System (NFS) protocol version 3 (NFSv3) under the Linux Intel x86 platform for Progress OpenEdge products, in particular the support of RDBMS files (physical and recovery) on a NFS partition, requires updates and features found within the 2.4.21 Linux Kernel and OpenEdge Service Packs. Network File System (NFS) protocol versions NFSv2 and NFSv4 under Linux have not been certified and are therefore unsupported.

OpenEdge Feature and Functionality obsolescence life cycle

The OpenEdge platform has a well-defined life cycle at the product (packaging) level. Products can have one of four life cycle statuses: Active, Functionally Stable, Mature and Retired¹. Such a life cycle is appropriate for major releases of products. It is necessary, however, to have a finer level of granularity independent of the product life cycle which addresses the feature or functionality level. This includes operating system as well as features. Features and functionality move through various phases from commercial introduction to obsolescence. As features become obsolete, they are handled one of two ways: They can be *Deprecated* or *De-Supported*.

Definition of Deprecation: *Features/Functionality is identified as obsolete, but not removed from the supporting technology*

Definition of De-Support: *Features/Functionality identified as obsolete, and removed from the supporting technology.*

For example, the English Language, like computer software, is ever evolving and certain ‘olde’ words drop out of fashion and are replaced. These ‘olde’ words are never removed but deprecated and may not be recognized by modern-day spell and grammar checkers, although they are still commonly understood, while de-support of the phrase 'couch potato' has been requested by a number of potato farmers due to the negative image the term portrays, with the hope that this term drops out of dictionaries *and* usage.

The backward compatibility of OpenEdge-based applications and deployments are some of the key factors in determining if obsolete features can be *Deprecated* or *De-Supported*.

Typically OpenEdge language features are deprecated to ensure the support of existing applications where as de-support is used for functionality where the loss does not force application re-work.

Benefits of the Deprecated and De-Support lifecycles phases include:

- Set appropriate customer's expectations regarding backwards/forwards compatibility
- Give customers sufficient time to consider and plan changes in their applications
- Promote rejuvenation and upkeep of applications, advantageous to partners and customers
- Better alignment with non OpenEdge technology partners such as Operating Systems vendors
- Encourage customers to use modern replacement features as appropriate

Deprecated Features and Functionalities:

Deprecation provides the ability to identify, communicate and manage obsolescence (and the possible eventual de-support) of features and functionality, independent of the products and versions in which they may be included and how are they packaged.

Progress' recommendation is that deprecated features should no longer be used. Customers should consider substituting deprecated features over time with the newer replacement ones. Please note that:

- Deprecated features continue to function.
- Limited basic support will be available for deprecated features and functionalities.
- Deprecated features will not include further enhancements
- Communications will follow the 'Obsolescence Life Cycle Guidelines' as described below

De-Supported Features and Functionalities

De-support is used where changes in technology or standards have made a feature obsolete and it is removed from the OpenEdge product. De-supported features have replacement equivalents and have zero impact on backwards compatibility.

Key details of De-Support include:

- OpenEdge dependant features will be removed, such as RAW partition support.
- Third Party dependant features, such as platform support may continue to function
- There will be no Limited basic support for de-supported features
- Communications will follow the 'Obsolescence Life Cycle Guidelines' as described below

Obsolescence Life Cycle Guidelines:

The following are the phases for the deprecation or de-support life cycle of features as they become obsolete:

- Prior to assigning one of the obsolescence statuses, features that are candidates for deprecation or de-support will be published to partners and customers for comment, potentially polling for information on the impact that the deprecation or de-support may cause to current applications.
- OpenEdge Product Management will use the information gathered from this process to assess the obsolescence of each feature or functionality.
- Details about de-supported and deprecated features will be included in this *OpenEdge Platforms and Products Availability Guide*
 - Announcements will be made to inform the Progress community of updates to features' status.
 - Deprecated and de-supported features will be identified as such in the Product Documentation.

Deprecated Features and Functionality List

The following table contains the current list of deprecated features and operating systems for OpenEdge 11. 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.

Deprecated Feature or Functionality	Replacement Feature	Deprecation Information	
		Announced OpenEdge version	Notes
Progress Explorer	OpenEdge Explorer	OpenEdge 10.1C	OpenEdge Explorer replaces Progress Explorer
SQL in 4GL	4GL	OpenEdge 10.0A	SQL statements in 4GL code require the Progress V9 SQL-89 product. The SQL-89 interface is obsolete.
CHOOSE statement	Selection lists, Data browsers	OpenEdge 10.1A	Selection lists and data browsers are available on ChUI and GUI (Windows desktop); the functionality of the CHOOSE statement has been superseded by the new constructs, easier to use and with additional, more complete built-in behaviors.
EDITING clause in UPDATE, SET PROMPT-FOR	WAIT-FOR	OpenEdge 10.1A	EDITING blocks were required for ChUI procedural applications, prior to event-driven programming which provides much more flexibility, additional functionality and that are easier to learn by users. EDITING blocks are not appropriate for event-driven, multi-tier or Service-Oriented applications
GATEWAYS statement	DATASERVERS	OpenEdge 10.0A	GATEWAYS was an early term (V6) to refer to DataServers. The term was fully replaced by DATASERVERS, which provides identical functionality.
GO-PENDING statement	See notes	OpenEdge 10.1A	Dependency with EDITING
IS-ATTR-SPACE statement	Obsolete, not needed	OpenEdge 10.0A	ATTR-SPACE hardware terminals have been long ago superseded. They are not available, nor used anymore. IS-ATTR-SPACE adds product maintenance costs and backwards compatibility requirements not required by the market anymore.
PUT SCREEN statement	DISPLAY	OpenEdge 10.0A	This feature has become obsolete, and will not be enhanced. If needed, its functionality can be achieved with the DISPLAY statement.
SCROLL statement	See CHOOSE	OpenEdge 10.1A	See CHOOSE
Open Client ActiveX	Open Client. NET	OpenEdge 10.0A	Refer to the Open Client ActiveX statement of direction available on PSDN (http://psdn.progress.com/index.ssp)
RECID	ROWID	10.1B (this entry was posted on May 17 2006)	Supported mainly for backward compatibility. For most applications, use the ROWID function, instead. Excerpts from the Product Documentation: "ROWID function replaces the RECID function for most applications. However, you must use the RECID function for maintaining schema objects (file and field relationships) in the Progress metaschema files." NOTE: As with all deprecations, current RECID support and related ABL functionality remains 'as is'. No future RECID functionality enhancements are planned.
WORKFILES / WORKTABLES	ABL Temp-Tables	10.1B (this entry was posted on June 26 2006)	It is recommended to use ABL Temp-Tables or ProDataSets
PROMPT-FOR (this feature will be removed from this deprecated feature list)	SET or UPDATE	10.1B (this entry was posted on June 26 2006)	It is recommended to use the SET and UPDATE ABL commands in place of the PROMPT-FOR statement Aug 6 2006 Update - PROMPT-FOR removed as ENABLE and WAIT-FOR are only viable alternatives for event-driven applications
DDE	Use Microsoft's Component Object Model (COM)	10.1B (this entry was posted on June 26 2006)	Dynamic Data Exchange (DDE). Use Component Object Model (COM) instead. See product documentation: OpenEdge Development: Programming Interfaces
WIDGET-HANDLE	HANDLE	10.1B (this entry was posted on June 26 2006)	There is absolutely no difference between WIDGET-HANDLE and HANDLE
Java applets	NONE	10.2B	Remove the ability for Java applets to call ABL via the Java Open Client

De-Supported Features and Functionality List

The following table contains the current list of de-supported features and operating systems for OpenEdge 11. 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.

De-supported Feature or Functionality	Replacement Feature	De-Support Information		
		De-support Scheduled For	Notes	Status
RAW PARTITION support for database files	OS File System storage	OpenEdge 10.1A	Substitute with FILE-SYSTEM extents. With 10.1A, the RAW-PARTITION RDBMS extents are not supported.	Completed
OpenEdge DataServer for Oracle for HP UX 32-bit	None	OpenEdge 10.1C	Oracle is no longer selling the DataServer for the HP UX 32-bit platform	Completed
Windows 2000 Professional SP4	Windows 2003 (SP1)	OpenEdge 10.2A	Windows 2000 (http://support.microsoft.com/lifecycle/?LN=en-us&x=10&y=6) <ul style="list-style-type: none"> General Availability: March 31, 2000 Mainstream support retired: June 30, 2005 Extended support retired: July 13 2010 	Completed
DB2 UDB 7.2 (MVS, RS/6000,NT)	DB2 UDB 8.1 or above	OpenEdge 10.2A	<ul style="list-style-type: none"> General Availability: June 8, 2001 End of support: September 30, 2004 http://www-306.ibm.com/software/support/lifecycle/index_a_z.html#D	Completed
Windows 2000 Server SP4	Windows 2003 (SP1)	OpenEdge 10.2A	Windows 2000 (http://support.microsoft.com/lifecycle/?LN=en-us&x=10&y=6) <ul style="list-style-type: none"> General Availability: March 31, 2000 Mainstream support retired: June 30, 2005 Extended support retired: July 13 2010 	Completed
AIX 5L v5.2 + maintenance update 1 + patch IY43963	AIX 5L 5.3	OpenEdge 10.2A	IBM AIX 5L v5.2 (current build platform for OE 10) (http://www-306.ibm.com/software/support/lifecycle/index_a_z.html#J) <ul style="list-style-type: none"> General Availability: 18 Oct 2002 End of Full Support: 30 Sep 2008 	Completed
HP-Compaq Tru64 Operating System	HP-UX PA-RISC HP-UX Itanium	Next major release after OpenEdge 10.1A	In consultation with Hewlett-Packard, OpenEdge 10.1A will be the last release to support Tru64 UNIX. http://h30097.www3.hp.com/tru64_planning.html June 26 2006 Update: Due to customer demand, it is planned that the upcoming OpenEdge 10.1B release will be the last supported edition for the Tru64 platform.	Completed
Oracle 8i support (DataServer for Oracle)	Oracle 10g	OpenEdge 10.2A	Oracle 8i life cycle summary: <ul style="list-style-type: none"> -Error Correction Support (ECS): 31-DEC-2004 -Extended Support (ES): 31-DEC-2007 -Extended Maintenance Support (EMS): 31-DEC-2006 	Completed
Support for Red Hat Enterprise Linux AS 2.1 and 3.0	Linux x86 Red Hat 4.0	OpenEdge 10.1C	March 2007 update: Deployment Support for RH EL 2.1 has ended and will end in July 2007 for RH EL 3.0 – OpenEdge build platforms are targeted for platforms that have active maintenance. https://www.redhat.com/security/updates/errata/	Completed

- Progress Software Product Lifecycle definitions are available online at:

<https://community.progress.com/technicalusers/w/openedgegeneral/1501.openedge-lifecycle-and-platform-availability-guide.aspx>