



Caché Supported Platforms

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Table of Contents

Introduction	1
1 Supported Technologies	3
1.1 Supported Server Platforms	3
1.2 Supported Windows Client Platforms	5
1.3 CSP Supported Web Servers	6
1.4 Caché Supported Web Browsers	6
1.5 Supported Client Platforms	8
1.6 Supported SQL Gateway Databases	9
1.7 Supported Java Technologies	10
1.8 Other Supported Features	10
2 Supported Languages	13
3 Discontinued Platforms	15
3.1 Discontinued Server Platforms	15
3.2 Discontinued Web Servers	16
3.3 Discontinued Web Browsers	16
3.4 Discontinued SQL Gateway Databases	16
4 Supported Caché Version Interoperability	17

Introduction

InterSystems products run on several operating systems on various platforms. Caché works with many types of technologies and provides support for several national languages. This document describes the details of what is supported in this version and also indicates which versions of technologies are no longer supported that have been in previous releases. The information is presented in the following chapters:

- *Supported Technologies* — Describes which operating systems support which features including server platforms, client platforms, Web servers and browsers, language bindings, SQL and Java interfaces, LDAP, multithreaded callin, and T-SQL programming extensions.
- *Supported Languages* — Provides a list of supported languages and character sets and indicates whether or not InterSystems provides utility translations for each language.
- *Discontinued Platforms* — Provides information on which technologies supported in the previous version of the product have been discontinued.
- *Supported Caché Version Interoperability* — Provides information on the cross-version compatibility of selected components and technologies within the most recent releases of Caché.

1

Supported Technologies

The technologies that Caché supports are categorized by the following:

- [Supported Server Platforms](#)
- [Supported Windows Client Platforms](#)
- [CSP Supported Web Servers](#)
- [CSP Supported Web Browsers](#)
- [Supported Client Platforms](#)
- [Supported SQL Gateway Databases](#)
- [Supported Java Technologies](#)
- [Other Supported Features](#)

1.1 Supported Server Platforms

Important: InterSystems does not certify its products for specific operating system patches or service packs because we rely on the operating system vendor to ensure compatibility. In the rare event that a specific patch or service pack (SP) is required to run InterSystems products, the Supported Server Platforms table notes contain the explicit requirement.

This release supports the following server platforms and operating system releases:

Platform	Notes
Apple Mac OS X 10.4, 10.5* for x86	WebLink not supported; only ECP network protocol supported
HP HP-UX 11i v1 for PA-RISC-32	SSL and Kerberos not supported; only single-threaded ODBC supported
HP HP-UX 11i v2 ¹ , v3 for PA-RISC-64	Only single-threaded ODBC supported; v2 requires patch bundle BUNDLE11i (Sept. 04) or later
HP HP-UX 11i v2 ¹ , v3 for Itanium	
HP OpenVMS 7.3-2, 8.2, 8.3 for Alpha	MultiNet and HP TCP/IP Services for OpenVMS both supported; no MultiValue server support
HP OpenVMS 8.2-1, 8.3 ² for Itanium	HP TCP/IP Services for OpenVMS supported; no MultiValue server support
HP Tru64 UNIX 5.1B for Alpha	
IBM AIX 5L V5.2 ³ , V5.3, 6.1 for System p5-32	Certified with Simultaneous Multithreading (SMT) enabled
IBM AIX 5L V5.2 ³ , V5.3, 6.1 for System p5-64	
Microsoft Windows ^{4,5} 2000, XP Pro, Server 2003, Server 2008, Vista for x86-32	
Microsoft Windows ⁵ Server 2003, Server 2008, Vista for x86-64	Supports Intel Extended Memory (EM64T), and AMD Opteron processors
Microsoft Windows ⁵ Server 2003, Server 2008 for Itanium	
Red Hat Enterprise Linux ⁶ AS v.4, 5* for x86-32	V.4 requires update RHSA-2006:0575 or later
Red Hat Enterprise Linux ⁶ AS v.4, 5* for x86-64	V.4 requires update RHSA-2006:0575 or later; supports Intel Extended Memory (EM64T), and AMD Opteron processors
Red Hat Enterprise Linux ⁶ AS v.4, 5* for Itanium	V.4 requires update RHSA-2006:0575 or later

Platform	Notes
Sun Solaris 10 for SPARC-64	Both 32-bit and 64-bit ODBC drivers provided
Sun Solaris 10 for x86-64	
SUSE Linux Enterprise Server 9, 10 for x86-32	
SUSE Linux Enterprise Server 9, 10 for x86-64	Supports Intel Extended Memory (EM64T), and AMD Opteron processors
SUSE Linux Enterprise Server 10 for Itanium*	

* New with this release

¹ Requires Kerberos Client version 1.3.5 to use Kerberos. See the *HP-UX* Special Considerations section of the “Installing Caché on UNIX and Linux” chapter of the *Caché Installation Guide* for details.

² Requires patch VMS83I_INSTAL-V0100, available from the HP IT Resource Center site: <http://www2.itrc.hp.com/service/patch/mainPage.do>.

³ Requires Directory Server version 5.1 or later which is available in the [AIX 5L Expansion Pack](#).

⁴ Caché does not support DDP, LAT, or DCP over Raw Ethernet on Windows Vista; on other supported Windows versions these protocols are only supported on the x86-32 bit platform.

⁵ InterSystems products support Microsoft terminal server capabilities as well as Citrix MetaFrame XP in the following environments: Windows 2000, Windows XP Professional, and Windows Server.

⁶ To use Kerberos on the Red Hat platform, you must install the krb5-devel package in addition to the krb5-libs package. See the *Red Hat Linux* Special Considerations section of the “Installing Caché on UNIX and Linux” chapter of the *Caché Installation Guide* for detailed information on obtaining these components.

1.2 Supported Windows Client Platforms

Caché includes Windows-based client components which are supported on the following Microsoft Windows versions:

Client Platform	Notes
Windows 2000	
Windows XP	
Windows Server 2003, 2008	32- and 64-bit versions
Windows Vista	

1.3 CSP Supported Web Servers

This release supports the Caché Server Pages (CSP) technology on the following Web servers for the indicated platforms. This does not necessarily mean that Caché runs on these platforms, but rather that the CSP Web server component does.

Web Server	Platform
Apache 2.0, 2.2	Apple Mac OS X
	HP HP-UX
	HP Tru64 UNIX for Alpha
	IBM AIX for System p5
	Microsoft Windows
	Red Hat Enterprise Linux
	Sun Solaris
	SUSE Linux Enterprise
Microsoft IIS	Microsoft Windows
Secure Web Server 2.1	HP OpenVMS
Sun Java System Web Server 6.1	Sun Solaris

1.4 Caché Supported Web Browsers

Caché supports CSP on the following Web browsers:

Web Browser (Platform)	Versions	Java Virtual Machine (JVM) Requirements †	Notes
Internet Explorer (Windows)	5.0, 5.5, 6.0, 7	a current JVM	
Mozilla (Linux, Mac OS X, Windows)	1.7, 1.8	Sun JVM 1.4.x	
Mozilla Firefox (Linux, Mac OS X, Windows)	1.5, 2.0	Sun JVM	See /support/firefox/faq#q2.2 at mozilla.org for detailed information regarding JVM versions for each platform
Netscape	7.0, 7.1	Sun JVM 1.4.x or higher	Version 7.0 does not support XMLHttpRequest
Safari (Mac OS X)	2.0	Sun JVM 1.4 .x or higher	

† JVM restrictions deal with hyperevents and not core CSP functionality. When using Java, cookies and Java applets must be enabled.

Zen Web Browsers

The InterSystems Zen feature requires SVG and is available for development on the supported Web browsers indicated in the following table.

Web Browser (Platform)	Versions	Notes
Internet Explorer (Windows)	6.0, 7	
Mozilla Firefox (Linux, Mac OS X, Windows)	1.5, 2.0	

For detailed information see the “[Introducing Zen](#)” chapter of *Using Zen*.

1.5 Supported Client Platforms

ODBC Support

Caché supports both single and multithreaded ODBC on most platforms. The following special conditions apply to Caché ODBC support:

- Only single-threaded ODBC is available on the HP-UX operating system.
- Caché provides both 32-bit and 64-bit ODBC drivers for Sun Solaris for SPARC.
- The InterSystems ODBC driver on UNIX platforms requires the iODBC driver manager (see <http://www.iodbc.org>), and it does not support Unicode wide interface.

Important: ODBC and JDBC *clients* on this release are compatible with all supported server platforms on product versions beginning with Caché 5.0.13; *servers* on this release support ODBC and JDBC clients on versions beginning with Caché 5.0.13.

Other Client Support

This release supports C++, Perl, Python, and .NET clients on the platforms indicated in the following table. (Supported operating system versions are those listed in the [Supported Server Platforms](#) table.)

Platform	C++	Light C++	Perl and Python ¹	.NET ²
Apple Mac OS X for x86	Yes*	No	No	No
HP HP-UX for PA-RISC	No	No	No	No
HP HP-UX for Itanium	No	No	No	No
HP OpenVMS for Alpha ³	No	No	No	No
HP OpenVMS for Itanium ⁴	No	No	No	No
HP Tru64 UNIX for Alpha	No	No	No	No
IBM AIX 5L for System p5	No	No	No	No
Microsoft Windows for x86-32	Yes	Yes	Yes	Yes
Microsoft Windows for x86-64	Yes*	Yes	No	Yes
Microsoft Windows for Itanium	No	No	No	Yes
Red Hat Enterprise Linux for x86-32	Yes	Yes	Yes	No
Red Hat Enterprise Linux for x86-64	Yes	Yes	No	No

Platform	C++	Light C++	Perl and Python ¹	.NET ²
Red Hat Enterprise Linux for Itanium	No	No	No	No
Sun Solaris for SPARC-64	No	No	No	No
Sun Solaris for x86-64	Yes	Yes	No	No
SUSE Linux Enterprise for x86-32	Yes	Yes	Yes	No
SUSE Linux Enterprise for x86-64	Yes	Yes	No	No
SUSE Linux Enterprise for Itanium	No	No	No	No

* New with this release

¹ For Perl client requirements see the [Installation and Configuration](#) section of *Using Perl with Caché*; for Python client requirements see the [Installation and Configuration](#) section of *Using Python with Caché*.

² Supports the 2.0 .NET framework, including Visual Studio 2005.

³ Supports MultiNet as well as the HP TCP/IP Services for OpenVMS TCP/IP implementation.

⁴ Only supported TCP/IP implementation is HP TCP/IP Services for OpenVMS. Applications attempting to access OpenVMS Itanium servers that use Kerberos authentication must install the ECO patch, HP-I64VMS-TCP/IP-V0505-11ECO1-1. The ECO is for TCP/IP, not the actual operating system. Without this patch, the server often transmits erroneous response packets back to clients using the C++ binding, ODBC, JDBC, or Studio

1.6 Supported SQL Gateway Databases

The [Caché SQL Gateway](#) supports the following legacy relational database systems:

Database System	Versions
IBM DB2	8.1, 9*
Informix OnLine	5.2
Microsoft SQL Server	2005
MySQL	5.0
Oracle	8i, 9i, 10g

Database System	Versions
Sybase Adaptive Server Enterprise	12.5.2

* New with this release

Important: The Caché SQL Gateway is *not* available on OpenVMS and Tru64 systems and does *not* support Unicode on UNIX platforms.

This release supports the JDBC-based gateway on all UNIX-based and Windows supported platforms. The ODBC-based gateway is only supported on Windows systems.

1.7 Supported Java Technologies

This release supports JDBC clients on the following:

- Sun Java 2 SDK 1.4 (JDK)
- Sun JDK 5.0 (also referred to as JDK 1.5)
- Sun JDK 6.0 (JDK 1.6)

Support for Enterprise JavaBeans (EJB) is available for the following EJB servers:

EJB Server	Versions (Tested service packs)
BEA WebLogic	9.1
JBoss	4.0.3 (SP1)

Important: This release requires Sun JDK 5.0 on the supported EJB servers

1.8 Other Supported Features

InterSystems products support the LDAP protocol, multithreaded callin, and T-SQL programming extensions as indicated in the following table. (Supported operating system versions are those listed in the [Supported Server Platforms](#) table.)

Platform	LDAP	Multithreaded Callin	T-SQL
Apple Mac OS X for x86	Yes	No	Yes
HP HP-UX for PA-RISC	Yes ¹	No	Yes
HP HP-UX for Itanium	Yes ¹	No	Yes
HP OpenVMS for Alpha	Yes	No	No
HP OpenVMS for Itanium	Yes	No	No
HP Tru64 UNIX for Alpha	Yes	No	Yes
IBM AIX 5L for System p5	Yes	No	Yes
Microsoft Windows for x86-32	Yes ²	Yes	Yes
Microsoft Windows for x86-64	Yes	Yes	Yes
Microsoft Windows for Itanium	Yes	No	Yes
Red Hat Enterprise Linux for x86-32	Yes	Yes	Yes
Red Hat Enterprise Linux for x86-64	Yes	Yes	Yes
Red Hat Enterprise Linux for Itanium	Yes	No	Yes
Sun Solaris for SPARC-64	Yes	No	Yes
Sun Solaris for x86-64	Yes	Yes	Yes
SUSE Linux Enterprise for x86-32	Yes	Yes	Yes
SUSE Linux Enterprise for x86-64	Yes	Yes	Yes
SUSE Linux Enterprise for Itanium	Yes	No	Yes

¹ To use LDAP on HP-UX, you must install the HP-UX OpenSSL library. See the *HP-UX* Special Considerations section of the “Installing Caché on UNIX and Linux” chapter of the *Caché Installation Guide* for details.

² Not supported on Windows 2000.

2

Supported Languages

InterSystems provides National Language Support (NLS) in an 8-bit character set for selected regions. Caché also has utility translations for some languages. These localizations exist for the languages as indicated in the following table.

Language	Character Sets	Utility Translation
Arabic	CP1256, ISO8859-6, Unicode	No
Chinese (Simplified)	Unicode, GB18030	No
Chinese (Traditional)	Unicode	No
Czech	Latin 2, Unicode	No
Danish	Latin 1, Unicode	No
Dutch	Latin 1, Unicode	Yes
English	Latin 1, Unicode	Yes
Finnish	Latin 1, Unicode	No
French	Latin 1, Unicode	Yes
German	Latin 1, Unicode	Yes
Greek	Latin G, Unicode	No
Hebrew	Latin H, Unicode	No
Hungarian	Latin 2, Unicode	No
Italian	Latin 1, Unicode	Yes
Japanese	Unicode	Yes

Supported Languages

Language	Character Sets	Utility Translation
Korean	Unicode	Yes
Polish	Latin 2, Unicode	No
Portuguese (Brazil)	Latin 1, Unicode	Yes
Russian	CP1251, Latin C, Unicode	Yes
Spanish	Latin 1, Unicode	Yes
Thai	CP874, Latin T, Unicode	No

InterSystems documentation is available in English and Japanese.

3

Discontinued Platforms

The platforms that this release no longer supports are categorized by the following:

- [Discontinued Server Platforms](#)
- [Discontinued Web Servers](#)
- [Discontinued Web Browsers](#)
- [Discontinued SQL Gateway Databases](#)

3.1 Discontinued Server Platforms

This release does *not* support the following versions of previously supported server platforms:

Platform	Operating System Version
Apple Mac OS X for PowerPC	10.4
HP HP-UX for PA-RISC-32	11.0

Important: This release does not support operating systems on Intel processors earlier than the Pentium 4 processor family.

3.2 Discontinued Web Servers

This release does *not* support CSP on the following versions of previously supported Web servers:

Web Server Version	Platform
None	

3.3 Discontinued Web Browsers

This release does *not* support CSP on the following versions of previously supported Web browsers:

Web Browser Version	Platform
None	

3.4 Discontinued SQL Gateway Databases

This release does *not* support the following versions of previously supported legacy relational database systems:

Database System	Versions
None	

4

Supported Caché Version Interoperability

The following table shows the cross-version compatibility of this release with the most recent releases of Caché.

Component	Client/Destination	Server/Source
CSP Gateway	2008.1	2008.1 or earlier
ODBC	2008.1	5.0.13 or later
Studio	2008.1	5.2, 2007.1, 2008.1
Shadowing	2007.1, 2008.1	5.1, 5.2, 2007.1, 2008.1
Journal Restore	2007.1, 2008.1	5.0, 5.1, 5.2, 2007.1, 2008.1

For example, a Caché 2008.1 system can be the shadow destination of Caché 5.1, 5.2, 2007.1, or 2008.1 servers. However, only Caché 2007.1 or 2008.1 can be the shadow destination of journal files created on 2008.1 servers.

Note: Mixed Caché clusters including Caché 5.2 (or earlier) and 2007.1 (or later) servers are not supported nor are mixed clusters containing OpenVMS and Tru64 UNIX members.

