

CA Harvest Software Change Manager

Release Notes

Release 12.5



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CA Technologies Product References

This documentation set references the following CA Technologies products:

- CA Harvest Software Change Manager (CA Harvest SCM)
- CA Software Delivery
- CA IT Client Automation (formerly, CA Desktop and Server Management, CA IT Client Manager)
- CA Clarity Agile
- CA Clarity Requirements

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Chapter 1: Welcome

This section contains the following topics:

[What the Release Notes Covers](#) (see page 9)

[Published Fixes](#) (see page 9)

What the Release Notes Covers

The Release Notes provides system information, implementation and general considerations, and known issues, for all standard and optional components for the current release.

- CA Harvest SCM: server, client, agent, and command-line utility
- CA Harvest SCM SDK components: HSDK, Java SDK (JHSDK), and Component Object Model SDK (COM SDK)
- CA Harvest SCM Web Interface (Harweb)
- CA Harvest SCM BOXI Reports
- CA Harvest SCM Plug-In for Eclipse
- CA Harvest SCM Plug-In for Microsoft Visual Studio

Note: At publication time, the current release supports the operating systems, and the third-party software, including DBMS software, application servers, and web browsers, listed in the *Release Notes*. For the latest information, including any updates that may have occurred after publication, see the CA Harvest SCM Compatibility Matrix at <http://ca.com/support>.

The optional add-on components, CA Harvest SCM Plug-In for Microsoft Visual Studio and CA Harvest SCM Plug-In for Eclipse, are available by electronic download only, from <http://ca.com/support> and <http://supportconnectw.ca.com/public/harvesteclipse/>, respectively.

Published Fixes

For all published fixes for CA Harvest SCM, see the Published Solutions provided by Technical Support at <http://ca.com/support>.

Chapter 2: Introduction

This section contains the following topics:

[New Features and Enhancements](#) (see page 11)

[Feature Changes](#) (see page 15)

[Features Removed](#) (see page 16)

[International Support](#) (see page 16)

[Documentation](#) (see page 19)

New Features and Enhancements

This section provides details of the new features and the functional enhancements that the CA Harvest SCM current release provides.

Support Copy or Move of Projects Between Databases

This feature provides the CA Harvest SCM Administrator with a command-line utility that helps in organizing project data by either COPY or MOVE of a project from one database to another. This feature enhances the following usage needs:

- Relocate the inactive or retired project from one database to other for mitigating excessive data growth
- Aligning software change artifacts with changes in the application development organizations. Additionally it can also restructure project data for auditing and archival requirements as well as performance and capacity planning tasks
- Facilitate the migration from existing release to next release on the Harvest SCM project base
- Allow the change of usage of database type from Oracle to SQL Server or from SQL Server to Oracle

Note: For more information about the move/copy feature, see the *Scenario: How to Copy or Move a Project from One Database to Other*.

Add Eclipse BIRT Based Dashboard Reports in Workbench/Eclipse Plug-in

BIRT (Business Intelligence and Reporting Tools) is an open source, Eclipse-based reporting tool. In addition to the support of Business Object reports, this release leverages BIRT to provide both customizable and predefined dashboard reports – Package Distribution, Modified Items, Version Change Activity, and Peer Review Statistics. These reports provide details such as total number of Packages and total number of Modified Items across the software life cycle, change item statistics for a specified period of time, and a list of open, closed, beyond deadline Peer Reviews.

Note: For more information about the project dashboard reports feature, see the *Scenario: How to Generate the Project Dashboard Reports*.

Add Package Group Criteria in the Find Version Dialog / Version View

You can now search the package versions from the package group of a specified state from the Find Version Dialog from the Workbench / Eclipse plug-in.

Certifications with the Supported Product Set

The current release has been certified on the following operating systems:

- Red Hat 6 on x86
- AIX 7.1
- Red Hat ES 6 on zLinux
- SuSE Linux ES 11 on zLinux
- Oracle Solaris SPARC 11
- Apple Mac 10.8

The current release plug-in for eclipse supports the following IDEs:

- Eclipse 3.7
- Eclipse 4.2
- RAD 8.0.2
- RAD 8.5

WebSphere 64-bit Support

Harweb on WebSphere is supported with 64-bit Java on AIX and Linux x86.

zLinux Platform Support

You can now install and execute the CA Harvest SCM Server and Workbench/Eclipse Plug-in on zLinux.

CALDAP Component Replaces openLDAP on Linux

The current release replaces the openLDAP on Linux platform with other CA common component CALDAP.

Allows Security Vulnerability with UDP Command Parameters Restriction

The current release addresses the security vulnerability with a UDP command parameter restriction. You can use the *Additional Command-Line Parameters* option in the UDP process to control the usage of invoking OS command specified in the Program field.

Locate a Package in the Explorer View

You can locate and highlight the package from which the version was created from the Workbench / Eclipse plug-in. This option is useful when there are multiple branch versions and when the changes are included across several packages for the same version.

Add Description Filter in the Find Version

You can now search the versions using their description from the Find Version Dialog from the Workbench / Eclipse plug-in.

Add Approval Notes in History

You can now add approval comments to the package history. This enhancement helps you in preserving approval comments of the package approver during promotion or demotion of the package.

Enhance Agent Checkout Dialog

You can now add a remote agent connection from the Check In / Check Out dialogs, in addition to adding it from the explorer view.

Certified Project Types for Visual Studio Plug-in

CA Harvest SCM certifies the following project types for the Visual Studio Plug-in:

- Visual C# (Windows Forms Application, Class Library, ASP.NET Web Application, ASP.NET Web Service Application, WPF Application, Console Application, Windows Forms Control Library)
- Visual Basic (Windows Forms Application, Class Library, ASP.NET Web Application, ASP.NET Web Service Application, WPF Application, Console Application, Windows Forms Control Library)
- Visual C++ (Windows Forms Application, Class Library, Win32 Console Application, MFC Application)
- Business Intelligence (Microsoft SQL Server Analysis Services, Microsoft SQL Server Integration Services, Microsoft SQL Server Reporting Services)
- Microsoft BizTalk Server 2006 R2
- Share Point Server Projects (Microsoft Office Share Point Portal Server 2003, Microsoft Office Share Point Server 2007)
- MOSS 2007 Projects
- Microsoft Silverlight Projects
- Setup and Deployment Projects
- Websites (ASP.NET Web Site, ASP.NET Web Service, ASP.NET Reports Web Site, WCF Service)

For any other standard project type from Microsoft, the plug-in works. If you find any difficulty with any other project type, contact the CA Support.

Product Re-branding

The CA Software Change Manager product name is changed to CA Harvest Software Change Manager in Release 12.5. For the implementations that are upgrading from earlier releases to Release 12.5, consider the following information:

Previous Name	Current Full Name	Current Abbreviated Name
CA Software Change Manager	CA Harvest Software Change Manager	CA Harvest SCM

Note: The Version Control Interface (for .NET) is renamed to CA Harvest SCM Plug-In for Microsoft Visual Studio.

Note: These re-branding changes are not applicable for the CA SCM BO Reports Installer (postinst.exe) since, no new reports are introduced in this release.

Feature Changes

This section describes the features that are changed in the current release of CA Harvest SCM.

Add Data Size Column to the Table of Find Version

The data size column is now added to display the size of data from the Find Version user interface.

Locate Package from Form List

You can now locate a package from the associated packages of the form list by right-clicking on a package from the packages list. This lets you navigate to the package in the explorer view.

Reset Synchronizer View

In this release, the reset filter in the synchronizer view is provided to display the initial list. If you select the addition / deletion / change options and then select the conflict / reset options in the workarea, the earlier selections are still retained.

User Credentials Encryption (.DFO) Support for JHSDK

The current release supports the .DFO file convention for JHSDK based programs.

Filter Out Packages from Inactive Projects in the Package Finder

In this release, a new filter option is provided to search packages only from active / inactive / both projects in the Packages view.

Delete Version Process with Delete by Creator / Modifier Only

This release enhances the Delete Version process to add the option for control the deletion of version only by creator or modifier of the version.

ETPKI to CAPKI

The current release of CA Harvest SCM is packaged with CAPKI (latest version of ETPKI).

Archive Feature Entry

Though the Archive feature entry is removed from the **Start, All Programs, CA, Harvest SCM** path, CA Harvest SCM still supports this feature. You can perform archive / restore operations using the Arcive.exe located in <Harvest SCM Home>.

Features Removed

This section describes the features that the CA Harvest SCM Release 12.5 no longer supports.

CA Crypto Package

The CA Crypto package is now removed from the CA Harvest SCM installer. CA Crypto currently handles only the password migration in Harvest r7.1 during upgrade to r12.x. Hence, you cannot directly migrate from r7.1 to Release 12.5 now. To upgrade from r7.1 to r12.5, first upgrade to r12.1.03 server and then upgrade the server from r12.1.03 to r12.5. For the rest of the components installation, uninstall r7.1 and install r12.5.

International Support

An *internationalized* product is an English product that runs correctly on local language versions of the required operating system and required third-party products, and supports local language data for input and output. Internationalized products also support the ability to specify local language conventions for date, time, currency and number formats.

A *translated* product (sometimes referred to as a *localized* product) is an internationalized product that includes local language support for the product's user interface, online help, and other documentation, as well as local language default settings for date, time, currency, and number formats.

In addition to the English release of CA Harvest SCM Reports, CA supports *only* those languages listed in the following table.

Language	Internationalized	Translated
Brazilian-Portuguese	Yes	No
Chinese (Simplified)	Yes	No
Chinese (Traditional)	Yes	No
French	Yes	No

German	Yes	No
Italian	Yes	No
Japanese	Yes	No
Korean	Yes	No
Spanish	Yes	No

Note: If you run CA Harvest SCM Reports in a language environment not listed in the table, you may experience problems.

Chapter 3: Documentation

This section contains the following topics:

[View the CA Harvest SCM Bookshelf](#) (see page 19)

[Access Context-Sensitive Help](#) (see page 19)

View the CA Harvest SCM Bookshelf

The CA Harvest SCM Bookshelf provides product documentation set in Section 508-compliant HTML format, and a print version of each guide. The product installs the CA Bookshelf automatically, and you can access it by clicking the Bookshelf link in the product. For example, from the Workbench, select Help, CA Harvest SCM Bookshelf or from the Start menu, select Programs, CA, SCM, Bookshelf.

You can download and extract the CA Bookshelf (a ZIP file) from the Bookshelf or from CA Support Online.

Follow these steps:

1. Right-click the Download this Bookshelf link in the CA Bookshelf, and select Save Target As from the shortcut menu.
The Save as dialog appears.
2. Save the Bookshelf.zip file to the location you want.
3. Use an archive product such as WinZip to extract the CA Bookshelf to a local folder.
4. Double-click the Bookshelf.html file in the Bookshelf folder.

The CA Bookshelf opens, and you can use it to view and search the product documentation.

Access Context-Sensitive Help

When you are using the Workbench, you can access context-sensitive help that provides information about the dialog that you are using.

To access context-sensitive help, on the lower portion of the dialog for which you want information, click the help (?) button.

The Help view displays as an extended pane and provides specific information about the dialog you are using, and possibly links to topics for further help.

Chapter 4: System Information

This section contains the following topics:

[Operating Systems](#) (see page 21)

[Database Management Systems](#) (see page 24)

[Web Browsers](#) (see page 26)

[Web Servers](#) (see page 27)

[LDAP Servers](#) (see page 28)

[System Requirements](#) (see page 30)

[Database System Requirements](#) (see page 32)

[Supported Microsoft IDEs](#) (see page 32)

[Eclipse Requirements](#) (see page 33)

[Federal Information Processing Standard \(FIPS\)](#) (see page 34)

[CA Products Support](#) (see page 34)

Operating Systems

The following tables list all operating systems that the current release supports, and that are required for CA Harvest SCM. CA supports each operating system for the duration of its lifecycle (as determined by its manufacturer) or until CA announces that we are no longer supporting it.

The Workbench is available for Windows, Linux, zLinux, and Mac OS only.

Note: For the latest information about supported operating systems and so on, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://ca.com/support>.

HP-UX

The current release supports the following HP-UX operating systems:

Operating System	Release
HP PA-RISC	B.11.11
HP PA-RISC	B.11.23
HP Itanium	B.11.23
HP Itanium	B.11.31

IBM AIX

The current release supports the following IBM AIX operating systems:

Operating System	Release
AIX	6.1, 7.1

IBM zOS

The current release supports the following IBM zOS operating systems:

Operating System	Release
z/Series	1.11, 1.12, 1.13

Microsoft Windows

The current release supports the following Microsoft Windows operating systems:

Operating System	Release
x86 and x86-64	XP
	Vista - CA Harvest SCM client and agent only
	Windows 2003
	Windows 2008
	Windows 2008 R2
	Windows 7 - CA Harvest SCM client and agent only
	Windows 8 - CA Harvest SCM client and agent only

Novell SuSE Linux Enterprise Server

The current release supports the following Novell SuSE Linux Enterprise Server architecture:

Operating System	Release
x86 and x86-64	10
	11
System z	10
	11

Red Hat Linux

The current release supports the following Red Hat Linux architecture:

Operating System	Release
x86 and x86-64	AS 5
	ES 5
	ES 6
System z	ES 5
	ES 6

Oracle Solaris

The current release supports the following Oracle Solaris operating systems:

Operating System	Release
SPARC	9
	10
	11
x86	10

Mac OS

The current release supports the following Mac OS operating systems:

Operating System	Release
Mac OS	10.6
	10.7
	10.8

VMware

The current release supports the following VMware operating system:

Operating System	Release
VMware Workstation	5.x

Database Management Systems

The current release supports database management systems (DBMS) that are required for CA Harvest SCM. CA supports each DBMS for the duration of its lifecycle (as determined by its manufacturer) or until CA announces that we are no longer supporting it.

Note: For the latest information about supported operating systems, and so on, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://ca.com/support>.

Oracle Enterprise Edition Databases

The current release supports Oracle Enterprise Edition databases on the following operating systems:

Operating System	Oracle Enterprise Edition Release
HP-UX, IBM -AIX, Microsoft Windows, Novell SuSE Linux/zLinux, Red Hat Linux/zLinux, Oracle Solaris	10g, 11g

Oracle Standard Edition Databases

The current release supports Oracle Standard Edition databases on the following operating systems:

Operating System	Oracle Standard Edition Release
HP-UX, IBM -AIX, Microsoft Windows, Novell SuSE Linux/zLinux, Red Hat Linux/zLinux, Oracle Solaris	10g, 11g

Oracle Standard Edition One Databases

The current release supports Oracle Standard Edition One databases on the following operating systems:

Operating System	Oracle Standard Edition One Release
HP-UX, IBM -AIX, Microsoft Windows, Novell SuSE Linux/zLinux, Red Hat Linux/zLinux, Oracle Solaris	10g, 11g

Microsoft SQL Server Databases

The current release supports Microsoft SQL Server databases on the following operating systems:

Operating System	Release
Microsoft Windows	2005 (x86 and x86-64) 2008 (x86 and x86-64)

Web Browsers

Release 12.5 supports web browsers that are required for CA Harvest SCM. CA supports each web browser for the duration of its lifecycle (as determined by its manufacturer) or until CA announces that we are no longer supporting it.

Note: For the latest information about supported operating systems, and so on, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://ca.com/support>.

Microsoft Internet Explorer

The current release supports Microsoft Internet Explorer on the following operating systems:

Operating System	Microsoft Internet Explorer Release
Microsoft Windows	8
	9
	10

Mozilla Firefox

Release 12.5 supports Mozilla Firefox on the following operating systems:

Operating Systems	Mozilla Firefox Release
Microsoft Windows, Novell SuSE Linux/zLinux, and Red Hat Linux/zLinux	19 and lower versions

Web Servers

The current release supports web application servers that are required for CA Harvest SCM. CA supports each web application server for the duration of its lifecycle (as determined by its manufacturer) or until CA announces that we are no longer supporting it.

The current release Web Interface client is certified with JDK 1.7 and JDK 1.6 versions. CA Harvest SCM supports combinations of web servers and Java.

Note: For the latest information about supported operating systems, and so on, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://ca.com/support>.

Apache Tomcat

Release 12.5 supports Apache Tomcat web application servers on the following operating systems:

Operating Systems	Apache Tomcat Release
HP-UX, IBM -AIX, Microsoft Windows,	6.0
Novell SuSE Linux/zLinux, Red Hat Linux/zLinux, Oracle Solaris	7.0

JBoss Application Server

The current release supports JBoss Application Server on the following operating systems:

Operating System	JBoss Application Server Release
HP-UX, IBM -AIX, Microsoft Windows,	5.1
Novell SuSE Linux/zLinux, Red Hat Linux/zLinux, Oracle Solaris	6.0
	7.1.2

Oracle iPlanet Web Server

The current release supports Oracle iPlanet Web Server on the following operating systems:

Operating System	Oracle iPlanet Web Server Release
HP-UX, IBM -AIX, Microsoft Windows, Novell SuSE Linux, Red Hat Linux, Oracle Solaris	7

WebSphere Application Server

The current release supports WebSphere Application Server on the following operating systems:

Operating System	WebSphere Application Server Release
HP-UX, IBM -AIX, Microsoft Windows,	8.0
Novell SuSE Linux/zLinux, Red Hat Linux/zLinux, Oracle Solaris	8.5

WebSphere is supported with 64-bit Java on AIX and Linux x86 platforms *only*.

LDAP Servers

The current release supports Lightweight Directory Access Protocol (LDAP) servers that are required for CA Harvest SCM. CA supports each LDAP server for the duration of its lifecycle (as the manufacturer determines) or until CA announces the drop support for it.

For the Linux x86 platform, a new parameter named `ldap_network_timeout` is supported. Use the value to specify the timeout value for the LDAP calls. You can add this parameter manually in the HServer.arg file.

Example:

```
ldap_network_timeout = 5
```

Note: For the latest information about supported operating systems, and so on, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://ca.com/support>.

More information:

[Change the Environment Variable for LDAP with Non-English Locales](#) (see page 42)

IBM Tivoli Directory Server

The current release supports IBM Tivoli Directory Server on the following operating systems:

Operating System	IBM Tivoli Directory Server Release
HP-UX, IBM -AIX, Microsoft Windows, Novell SuSE Linux, Red Hat Linux, Oracle Solaris	6

Novell eDirectory Server

The current release supports Novell eDirectory Server on the following operating systems:

Operating System	Novell eDirectory Server Release
HP-UX, IBM -AIX, Microsoft Windows, Novell SuSE Linux, Red Hat Linux, Oracle Solaris	8.8

Microsoft Active Directory

The current release supports Microsoft Active Directory on the following operating systems:

Operating System	Microsoft Active Directory Release
Microsoft Windows Server 2003	5.2
Microsoft Windows Server 2008	6.0

Oracle Java System Directory Server Enterprise Edition

The current release supports Oracle Java System Directory Server Enterprise Edition on the following operating systems:

Operating System	Oracle Java System Directory Server Enterprise Edition Release
HP-UX (PA-RISC), IBM AIX 5.2, Microsoft Windows, Red Hat Linux, Oracle Solaris	6.2

System Requirements

The current release has the following minimum system requirements for running the server, client, and agent.

Note: For the latest information about supported operating systems, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://supportconnect.ca.com>.

Operating System	Release
CA Harvest SCM Server on Microsoft Windows	<ul style="list-style-type: none">■ 1 CPU-Pentium IV 2.4 GHz■ 2 GB RAM■ 300 MB of disk space for temporary use during the installation process■ 45 MB of virtual memory for each server process■ 600 MB of disk space for the product files
CA Harvest SCM Server on AIX	<ul style="list-style-type: none">■ IBM AIX-1 CPU, 1.65 GHz■ 2 GB RAM■ 400 MB of disk space for temporary use during the installation process■ 60 MB of virtual memory for each server process

Operating System	Release
CA Harvest SCM Server on HP Itanium	<ul style="list-style-type: none"> ■ HP Itanium - 2GB 1.4 GHZ ■ 2 GB RAM ■ 400 MB of disk space for temporary use during the installation process ■ 220 MB of virtual memory for each server process
CA Harvest SCM Server on Solaris	<ul style="list-style-type: none"> ■ Solaris - 1.28 GHz ■ 2 GB RAM ■ 400 MB of disk space for temporary use during the installation process ■ 45 MB of virtual memory for each server process
UNIX PA-RISC Servers: 9000/785/B2600	<ul style="list-style-type: none"> ■ 2 GB RAM ■ 400 MB of disk space for temporary use during the installation process ■ 60 MB of virtual memory for each server process
CA Harvest SCM Server on Linux	<ul style="list-style-type: none"> ■ 1 CPU-Pentium IV 2.4 GHz ■ 1 GB RAM ■ 45 MB of virtual memory for each server process ■ 450 MB of disk space for temporary use during the installation process
CA Harvest SCM Server on zLinux	<ul style="list-style-type: none"> ■ 2 GB RAM ■ 45 MB of virtual memory for each server process ■ 450 MB of disk space for temporary use during the installation process
CA Harvest SCM Client on Microsoft Windows and Linux	<ul style="list-style-type: none"> ■ 1 CPU-Pentium IV 1.3 GHz ■ 1 GB RAM ■ 600 MB free hard disk space
CA Harvest SCM Client on zLinux	<ul style="list-style-type: none"> ■ 2 GB RAM ■ 600 MB free hard disk space
Agent on z/OS	50 MB of disk space for the product files

Operating System	Release
Web Interface	200 MB of disk space

Database System Requirements

The current release has the following minimum system requirements for Oracle databases:

- 210 MB of disk space for the Oracle tablespaces
- 150 MB of disk space (50 MB each for HarvestMeta, HarvestIndex, and HarvestBlob) for the CA Harvest SCM tablespaces. This disk space is the installation default. You may need to increase the size of the tablespaces based on your estimates, as follows:
 - HarvestIndex tablespace requires approximately 600 KB
 - HarvestMeta tablespace requires approximately 100 KB per 1000 versions checked in
 - CA Harvest SCM BLOB size depends directly on file size

Note: For more information about Oracle, see your Oracle documentation.

CA Harvest SCM has the following system requirements for Microsoft SQL Server databases:

- 50 MB of disk space to hold CA Harvest SCM data

Note: For more information about Microsoft SQL Server, see your Microsoft SQL Server documentation.

Supported Microsoft IDEs

For the CA Harvest SCM Plug-In for Microsoft Visual Studio, install at least one of the following Microsoft Visual Studio IDEs on a supported operating system:

Note: One or more of these versions can exist on the Visual Studio IDE target computer. All versions can use the integration.

- Visual Studio 2012
- Visual Studio 2010
- Visual Studio 2008
- Visual Studio 2005

Eclipse Requirements

CA Harvest SCM Plug-In for Eclipse Release 12.5 supports the following releases of the Eclipse distribution.

Install any of the Eclipse Development Platforms on the supported platforms of your client computer:

- Eclipse 3.6 (Helios)

Note: CA Harvest SCM Plug-In for Eclipse current release has been tested with the Eclipse 3.6 Classic configuration, Eclipse IDE for JEE, and Eclipse IDE for Java Developers only.

- Eclipse 3.7 (Indigo)

Note: CA Harvest SCM Plug-In for Eclipse current release has been tested with the Eclipse 3.7 Classic configuration, Eclipse IDE for JEE, and Eclipse IDE for Java Developers only.

- Eclipse 4.2 (Juno)

Note: CA Harvest SCM Plug-In for Eclipse current release has been tested with the Eclipse 4.2 Classic configuration, Eclipse IDE for JEE, and Eclipse IDE for Java Developers only.

The various configurations of the supported Eclipse releases are available on <http://www.eclipse.org> (Classic, Java EE, and so on). Download the appropriate Eclipse configuration depending on the Eclipse projects type or applications being developed.

Download and install the dependencies that are based on your Eclipse version, before installing Eclipse plug-in for Release 12.5. For Eclipse 3.6, 3.7, and 4.2 versions, download the dependencies from <https://support.ca.com>.

Note: During the Eclipse 3.6, 3.7, and 4.2 version dependencies installation, follow these instructions:

- For Eclipse Classic IDE and Eclipse IDE for Java Developers, select all the features from the corresponding dependency archive zip.
- For Eclipse IDE for JEE developers, select Birt and zest features from the dependency archive zip.
- For Eclipse IDE for Java Developers, download an extra .JAR (org.apache.commons.logging_1.0.4.v201101211617.jar) from the CA Support site and include it in the plugins folder of the Eclipse installation. This jar must be used to use the Dash Board Reports feature from the SCM plug-in.
- For RAD 8.0.2 and RAD 8.5, choose only the SCM plug-in (No need to install dependencies).

Java Runtime Requirement

Eclipse does not include a Java virtual machine (JVM), so you must download and install the JRE separately before you install the plug-in. The Plug-In for Eclipse supports the following versions of the JRE:

- Java 7 JRE
- Java 6 JRE
- IBM JRE is already included with IBM Rational Application Developer 7.0.

Federal Information Processing Standard (FIPS)

CA Harvest SCM supports Federal Information Processing Standard (FIPS) 140-2 *except* for on the following operating systems that CA Harvest SCM supports:

- HP-UX 11i v1
- HP-UX 11i v2
- HP-UX 11i Itanium
- Oracle Solaris 10

CA Products Support

The current release supports other CA products that are optional for CA Harvest SCM.

Note: For the latest information about supported operating systems, and so on, including any updates that may have occurred after publication, see the CA Harvest Software Change Manager Compatibility Matrix provided by Technical Support at <http://ca.com/support>.

Integration with CA IT Client Manager

The current release integrates with the following CA product for software delivery:

Product	Release
CA IT Client Manager (formerly, CA Desktop and Server Management)	12.2
	12.5

CA Harvest SCM BOXI Reports

CA Harvest SCM current release is certified with CABI r3.3.

Chapter 5: Implementation Considerations

This section contains the following topics:

[Upgrade Tasks](#) (see page 37)

Upgrade Tasks

Before you upgrade a release to the current release, do the following tasks:

- If you are using the upgrade wizard, remove any emergency fixes (efixes) that have been installed on the existing release.
- Check in all files from WorkAreas to the CA Harvest SCM repository. Then, create a WorkArea after you complete the upgrade.

Chapter 6: General Considerations

This section contains miscellaneous general considerations for the current release.

This section contains the following topics:

[How to View Project Dashboard Reports in PPT Format](#) (see page 39)

[Performance Management](#) (see page 40)

[Peer Review Considerations](#) (see page 40)

[CA Harvest SCM Plug-In for Microsoft Visual Studio Reminders](#) (see page 41)

[Change the Environment Variable for LDAP with Non-English Locales](#) (see page 42)

[Synchronizer View Shows Incoming Additions](#) (see page 42)

[No Support for FTP Website Projects in the Plug-In for Microsoft Visual Studio](#) (see page 43)

[Code Refactoring in Eclipse](#) (see page 43)

[Java Package Movement](#) (see page 43)

[Synchronization With File-Level Packages](#) (see page 43)

[Synchronize the Common Parent Folder After a Move](#) (see page 44)

[Synchronization from the Solution Explorer for a Refactored Website Item](#) (see page 44)

[Remote HTTP Website Not Supported for the Visual Studio Plug-In](#) (see page 44)

[Snapshot View Solution Support](#) (see page 44)

[Context Switch Not Supported in Visual Studio Plug-In](#) (see page 44)

[Unsigned Warning Appears during Eclipse Plug-in Installation](#) (see page 44)

[Support for zLinux](#) (see page 45)

[Out of Memory While Generating Reports](#) (see page 45)

[Export to Word / PPT Problems on MAC OS](#) (see page 45)

[Xulrunner Problem on RedHat Linux](#) (see page 46)

How to View Project Dashboard Reports in PPT Format

To export the dashboard reports, you must have Microsoft Office 2010 installed with the PPT format preserved option enabled. You can also view the reports in Microsoft Office 2007 PowerPoint.

Performance Management

CA Harvest SCM includes several configuration options that you can customize for optimal performance in your CA Harvest SCM environment. Key parameter values are increased so that performance can be improved:

- **Listsize**—The number of records to retrieve from the database and send across the network at the same time is increased.
- **Commsize**—The size of the data buffer sent between the agent and the server during check-in and check-out is increased.

Peer Review Considerations

Consider the following information when you use the Peer Review:

- When you double-click a version from the Peer Review, the version opens in the default Text Compare window irrespective of the Compare-Merge tool set in the Preferences.
- Review request voting status does not change either by creating a version under the opened review request or by reopening the closed Review Request.
- Deleting all versions that have comments or attachments, or creating versions to a review request, does not change the review request status from In Progress to Open.
- Any CA Harvest SCM user that has project-level Use Access is allowed to create, delete, and update the review request.
- Version Object Status only displays under the Assigned Reviews tab and is local to that workspace.

Consider the following information about how notifications work in Peer Reviews:

- For a new version created or for the deletion of an existing version during the process of Peer Review, the requester can note the change in the General Notes section of the review request to notify reviewers about the changes in the review request.
- No notification is sent when the due date and time of the review request expires.
- By default, notifications are sent to all reviewers and the requester associated with the review request.
- No notification is sent when a comment or attachment is added or deleted from the version associated with the review request.

CA Harvest SCM Plug-In for Microsoft Visual Studio Reminders

Make sure to use the following actions as appropriate when you use the CA Harvest SCM Plug-In for Microsoft Visual Studio:

- Use an existing client path or a client path that is common to both the solution and website when you open a solution that includes website projects.
- You cannot use Undo on newly added items and folders in website projects. Instead of Undo, use the delete action for new items and folders in a website project.
- Select all items that are affected during refactoring changes when you want to Undo changes. The plug-in does not check integrity during an Undo operation, so the CA Harvest SCM Plug-In for Microsoft Visual Studio does not revert a solution or project file automatically when you Undo a file due to refactoring changes.
- When you select a solution, project, or any folder node in the Solution Explorer, do not select any item that belongs to that node. All items of that node are selected recursively by default.
- Select late binding mode to execute refactoring operations. Refactoring operations are not available when you select online mode.
- For multilevel refactoring changes, commit your first-level refactoring changes and then commit the second level refactoring changes, and so on.
- Do not rename or move an item that has been checked out but not yet committed to the CA Harvest SCM repository. The plug-in does not support this operation.
- Click the Save button after a refactoring operation completes on a C++ project to update the status.
- When the Properties of an item in the Visual Studio Properties window do not appear, right-click the item in the Solution Explorer, and select CA Harvest SCM, Properties to see the item properties.
- Synchronization compares the directory in the file system with the corresponding directory in the repository. The comparison is not based on the solution file data. When some files or folders are added or exist in the repository but are not part of the solution, they can still appear in the Synchronizer view.
- We recommend that you perform Get Latest Version on the Project or Website, or on the Solution node before performing any refactoring changes.
- If any conflict changes due to refactoring operations exist, we recommend that you perform one of the following operations:
 - Synchronization followed by Undo
 - Get Latest Version
 - Mark as Resolved followed by Undo
 - Commit on the Project or Website, or on the Solution node

More information:

[No Support for FTP Website Projects in the Plug-In for Microsoft Visual Studio](#) (see page 43)

Change the Environment Variable for LDAP with Non-English Locales

Valid on UNIX and LINUX operating systems

You can change the environment variable for an LDAP server that is configured with non-English locales.

Follow these steps:

1. Set the LC_CTYPE_LDAP environment variable with the appropriate locale for the language.

For example, use the following command when the LDAP server is configured with UNICODE and the user details contain Extended-ASCII characters:

```
export LC_CTYPE_LDAP=EN_US.UTF-8
```

2. Verify that the locale is installed correctly. The locale name varies among AIX, HP-UX, Solaris, and Linux operating systems as follows:

- AIX—EN_US.UTF-8
- HP-UX—en_US.utf8
- Solaris—en_US.UTF-8

The environment variable for the LDAP server is configured.

Synchronizer View Shows Incoming Additions

Symptom:

When I add a Visual Studio Solution to CA Harvest SCM using a view path that has items and folders under it, these items and folders appear in the Synchronizer view after I perform a Synchronize operation.

Solution:

Perform a Get Latest Version on the solution or project level for the first-time from the Synchronizer view. We recommend that you add the solution to CA Harvest SCM using an empty view path.

No Support for FTP Website Projects in the Plug-In for Microsoft Visual Studio

As part of a limitation from Microsoft, FTP site websites are not checked in to the CA Harvest SCM repository and therefore do not show with managed statuses in the Solution Explorer.

Code Refactoring in Eclipse

When performing code refactoring in Eclipse, we recommend that you select the “Allow editing without checkout” option in the CA Harvest SCM preferences.

If this preference is not selected, some refactoring operations (such as Java package renaming and deletion) will not be fully supported.

Java Package Movement

When a Java package is moved from one Eclipse source path to another using Package Explorer, Eclipse does not actually move the folder. Eclipse instead deletes and creates the package's folder structure. Thus, the Synchronizer View reflects this as an Outgoing Deletion rather than a changed status.

If you perform the move in the Navigator View, the folder history will be maintained; however, this is not Java Refactoring and Eclipse will not update the references to moved classes.

Synchronization With File-Level Packages

Symptom:

When I invoke the Team, Synchronize action at a project or folder resource level, incoming versions are shown with respect to the Project-level package. If I have specified different file-level packages for individual files, branch versions in those packages do not appear as incoming changes.

Solution:

As a workaround, invoke Team, Synchronize at the file resource level for single or multiply-selected file resources. When invoked in this manner, the Synchronizer view recognizes file-level package settings and shows branch versions in these packages as incoming changes.

Synchronize the Common Parent Folder After a Move

Synchronize the common parent folder after you move an item or path.

Synchronization from the Solution Explorer for a Refactored Website Item

Perform the following action for a website item that has been refactored (either in the repository or local workspace) in the Pending Changes view or the Solution Explorer:

Synchronize the Website or Solution node *before* you perform any action such as commit, undo, and so on, from the Visual Studio IDE.

Remote HTTP Website Not Supported for the Visual Studio Plug-In

The CA Harvest SCM Plug-In for Visual Studio does not support a remote HTTP website.

Snapshot View Solution Support

From the Snapshot view in the CA Harvest SCM Plug-In for Microsoft Visual Studio, you can open a solution from CA Harvest SCM. However, the Snapshot view does not support other operations such as Add Project to Solution, Add as Website to Solution, and Check Out for Browse (recursive).

Context Switch Not Supported in Visual Studio Plug-In

After you have saved a working view with a particular state, you cannot switch the context to any other project, state, or working view. You can, however, change the context when the solution is open in the Snapshot view.

Unsigned Warning Appears during Eclipse Plug-in Installation

When you install the Eclipse plug-in, an unsigned warning can appear. This warning appears because some of the third-party plug-ins that are delivered with the Eclipse plug-in are not signed.

Support for zLinux

Ensure that you follow these general considerations for zLinux support:

1. To view reports from the Workbench or Eclipse plug-in on the zLinux operating system, we recommend you to install and configure Mozilla browser.
2. Disable SELinux or switch off enforcement, before working on SCM applications, using the following command:

```
echo 0 > /selinux/enforce
```

Out of Memory While Generating Reports

When you encounter Out of Memory problem while running the reports, add the following parameter to workbench.ini/eclipse.ini files to resolve the out of memory problem:

```
-XX:MaxPermSize=256m
```

You can locate the Workbench.ini file at the following locations:

Windows

```
%CA_SCM_HOME%\workbench.ini
```

Linux

```
$CA_SCM_HOME/workbench/workbench.ini
```

MAC

```
$CA_SCM_HOME/workbench.app/Contents/MacOS/workbench.ini
```

Export to Word / PPT Problems on MAC OS

When you experience problems while exporting dashboard reports to the Word / PPT formats in the MAC operating system, use the Mozilla browser for report generation

Add the following parameter to workbench.ini/eclipse.ini files.

```
-Dcom.scm.reportviewer.usebrowser=mozilla
```

Note: Installation of Mozilla browser is a pre-requisite on MAC.

Xulrunner Problem on RedHat Linux

Ensure to install Xulrunner 1.9.2 on the RedHat Linux 6.0 to display and export SCM reports.

Chapter 7: Known Issues

This section contains the known issues with the current release.

Note: The instances of Linux in this section refer to both the Linux and zLinux operating environments.

Delete Version Count in the Project Dashboard Reports

The deleted version count (using the Delete Version process) is not considered in the Version Change Activity chart of the Project Dashboard reports.

Workbench Hangs While Generating Dashboard Reports

Sometimes, you might experience workbench hanging while generating dashboard reports.

Workaround:

For Windows:

Add the following JVM property in the workbench.ini file located at %ca_scm_home%.

-XX:MaxPermSize=256m

For Linux:

Add the following JVM property in the workbench.ini file located at \$ca_scm_home\workbench.

-XX:MaxPermSize=256m

Compare Action in the WorkArea

When you compare a local file to a repository version, the referenced repository version may no longer exist in the repository. In that case, an error message displays that is similar to the following message:

E03020074: A version with the object ID xxxx no longer exists.

This error can occur when you double-click a file in a WorkArea or double-click a selected version in a list of versions as a result of the Compare with Repository Version action.

Broker Does Not Display in Explorer View

Symptom:

When the filter is active in the Explorer View and I connect to a new broker, the new broker node displays only temporarily in the Explorer View.

Solution:

Add the new broker to the filter explicitly.

Connecting Multiple Agents Running on the Same Computer with Different Lock Directories

We do not recommend that you use the CA Harvest SCM Workbench to connect multiple agents running on the same computer with different lock directories. If you have such agent connections, check-out using these agents may not work properly.

R-Tag No Longer Exists in the Repository Error

Symptom:

When I check out an item from the WorkArea and then remove the R-tag using the same package from the Workbench, a message appears stating that the R-tag no longer exists in the CA Harvest SCM repository.

Solution:

Refresh checked out status to get the latest status.

Cross Project Merge From Snapshot

Symptom:

When I use cross project merge with the snapshot option, removed paths, removed items, or both, they are not merged from the source project to the target project.

Solution:

In the current release, the snapshot view process does not include the removed items and paths. Execute a cross project merge on the package that includes the associated changes for removed paths, removed items, or both in the source project.

Client File and Path Are Overwritten in the WorkArea

Symptom:

When I add a file or path to the WorkArea and the WorkArea already includes a file or path with the same name, the WorkArea client file or path is overwritten.

Solution:

Avoid adding files or paths to the WorkArea when it already includes files or paths that match the repository.

Buttons Do Not Appear in the Correct Order on the Linux and zLinux Workbench

Valid on Linux and zLinux operating systems

Symptom:

The OK and Cancel buttons do not appear in the correct order on the Linux Workbench.

Solution:

1. Verify that GTK 2.6 is installed.
2. Open the gtkrc file located in \$HOME/.gtkrc-2.0 in a text editor.
3. Manually set "gtk-alternative-button-order" key to TRUE by changing or adding the following line:

```
gtk-alternative-button-order = 1
```

The OK and Cancel buttons appear in the correct order when you use the Linux Workbench.

Form Fields in Non-English Do Not Display Correctly

Symptom:

Form fields that use non-English characters do not display correctly in the Workbench, for example, form fields in Korean may not display correctly.

Solution:

To correct the problem, do the following:

1. Navigate to *All Users*\Application Data\CA\SCM\Forms.
2. Open the form xml file using a text editor that supports Unicode.
3. Save the form with UTF-8 encoding.

Custom Forms With a Non-English Character Do Not Open in Harweb

Symptom:

A custom form type does not open in Harweb.

Solution:

Custom form types for use in Harweb must not include any non-English characters for the following elements:

- Form type name
- Form type database table name
- Labels or names of created elements on the form type
- Database column names of created elements on the form type

PEC Does Not Upgrade

Symptom:

When I use upgrade.exe to upgrade the client from Release 12.0 to Release 12.5 with Windows Shell Extension enabled, PEC does not upgrade from the 4.6.2 to the 4.7.4 version.

Solution:

Run the %CA_SCM_HOME%/Install/PEC/silent.bat file to upgrade the PEC version.

ODBC Installation Fails on 64-Bit Linux Computers

Symptom:

While installing ODBC on Linux 64-bit computers, the installation fails with the following error message:

bin/installupd: error while loading shared libraries: libstdc++-libc6.2-2.so.3: cannot open shared object file: No such file or directory

PtODBC036: Error; "bin/installupd" failed.

Solution:

Create a softlink for libstdc++-libc6.2-2.so.3 file with the latest available c++ standard library.

Windows Shell Extension Support

The current release of Windows X86 Client does not support the CA Harvest SCM Windows Shell Extension on Windows 64-bit computers.

Error While Creating DSN Using hdbsetup Utility for Oracle 11g R2

Symptom:

When I create a DSN for Oracle 11g R2 using the "co" option in the hdbsetup utility, the following error appears:

"Driver's ConfigDSN, ConfigDriver, or ConfigTranslator failed"

Solution:

Download and apply the following patch set from the Oracle support site to resolve this problem:

Patch Set number: 9888297

Platform: Microsoft Windows

Guiffy Compare Tool Fails to Close Automatically

Symptom:

The Guiffy compare executable continues to run even after the conflict is resolved from Workarea and even after I exit the Workbench.

Solution:

End the process manually from the Windows process list.

Login Fails in Harweb When the Web Server and Web Client are on a Single IPv6-Enabled Computer

Symptom:

CA Harvest SCM users may experience login issues when users access Harweb from an IPv6-enabled operating system. This problem occurs when the Harweb server and client are on the same computer.

Solution:

Contact your system administrator to switch to IPv4.

Login Fails for a FIPS-Enabled Broker from a Computer With CA SSA

Symptom:

On computers that have CA Secure Socket Adapter (CA SSA) installed, the CA Harvest SCM Administrator, Workbench, and command-line utility fail to log in to a broker that has the FIPS mode enabled.

Solution:

Set the environment variable CA_FIPS1402_ENABLE to 1 as follows:

```
set CA_FIPS1402_ENABLE=1
```

Synchronizer Does Not Maintain Hierarchy of Deleted Items

Symptom:

You delete an item from your local Visual Studio Project or Website and then try to synchronize the project with the CA Harvest SCM repository. The Synchronizer view does not show the hierarchy of the deleted item correctly.

Solution:

This issue occurs because Visual Studio maintains a logical hierarchy and therefore does not store the hierarchy of deleted items.

Mark as Resolved Option Unavailable for Items with D-Tag in the Repository

Symptom:

If you commit changes to a file that you have moved or renamed locally and the latest version of the same file has D-Tag in the repository, the Mark as Resolved option is not available.

Solution:

You can only perform the following actions for this type of file:

- View the conflicting changes
- Perform undo local changes
- Get latest version operations

Drag and Drop Does Not Work in the Explorer View

Valid on Mac OS

Symptom:

Drag-and-drop does not work in the Explorer view.

Solution:

The drag-and-drop action is not supported in the Explorer view on a Mac operating system because of a known issue with the Eclipse environment. Instead, use the Move Item and Move Path processes.

Partial Commits for Visual Basic Projects in Online Mode

Symptom:

When I commit a Visual Basic project in the online mode from the Pending Changes view, some of the implicit Visual Basic files, such as .designer.vb, are not checked in to the repository.

Solution:

If you have already checked in the Visual Basic project from the Pending Changes view, synchronize the solution with the repository. Then, check in the remaining files from Solution Explorer or Synchronizer view.

Note: We recommend that you always check in the Visual Basic projects from Solution Explorer or Synchronizer view to avoid this issue.

Unable to Restore Agent Credentials

When the CA Harvest SCM server is installed on an UNIX or Linux operating system, the agent credentials are not restored even if you have selected the Save file agent info option in CA Harvest SCM Administrator.

Refactored Items Show as New After the Get Latest Version Operation

Symptom:

In concurrent development, refactored (for example, renamed, moved) items may be shown as newly added after you perform Get Latest Versions at the solution level. This behavior occurs if the solution file has incoming or conflicting changes.

Solution:

To show the items as managed after the refactoring, you can do one of the following:

- Commit the items with newly added status to the repository to synchronize the items with the repository.
- Perform Get Latest Versions at the project level instead of at the solution level.

Peer Review Switches Focus During Attachment Download

Symptom:

When I download an attachment from the Peer Review view, the focus switches from the Workbench to another application.

Solution:

Manually refocus the Workbench by clicking the CA Harvest Software Change Manager Workbench window.

Peer Review Notifications

Symptom:

The \${REVIEW.NAME} variable does not work for notification messages that are sent when a review request is created.

Solution:

Use \${PACKAGE.NAME} to refer to the package name instead of the code review name.

Workbench is Inoperative When the Broker Shuts Down

Valid on CA Harvest SCM, CA Harvest SCM Plug-In for Eclipse

Symptom:

When the broker shuts down while I am using a Workbench session, the Workbench becomes inoperative.

Solution:

Restart the Workbench.

Version SUNW_2.2.2 is not found in Solaris x86

Symptom:

After I install the SCM build on a Solaris x86 computer, when I execute an SCM command, the application displays the following error:

```
ld.so.1: hci: fatal: libresolv.so.2: version `SUNW_2.2.2' not found
```

```
ld.so.1: hci: fatal: libresolv.so.2: open failed: No such file or directory
```

Solution:

To resolve this error, export the LD_NOVERSION variable in the respective shell as follows:

```
export LD_NOVERSION=1
```

Error in Posting Worklog Hours

When you post worklog hours, the application can sometimes fail with the following error:

The worklog date must be within the assigned sprint.

This error can occur even when the selected work date is within the assigned sprint start and end dates or when the selected date is the sprint end date.

Notify Process with Quotes

Symptom:

When you use quotes in the Subject field of the Notify Process, mail subject content is shown incorrectly and misplaced in the address List.

Solution:

In the Notify process definition, we recommended you not to use quotes in the subject field.

RAD-SCM Error Message

If you are using a plug-in in RAD 8.x and if you have enabled the Support feedback Error Reporting UI preference, then the SCM error message window does not show up.

To get the SCM error message window, clear the Support feedback Error Reporting UI preference from the Preferences, Startup and Shutdown section.

'Gencat not Found' Error While Installing ODBC and PEC on Solaris

Symptom:

Sometimes, while installing the ODBC and PEC components, installation fails with the following error message:

```
getcat: not found [No such file or directory]
```

Solution:

Ensure that gencat file is available on the computer and the file path is in a PATH variable.

Note: The gencat file comes with SUNWloc package in Solaris.

Chapter 8: Plug-In for Eclipse Known Issues

This section lists the most prominent known issues for the CA Harvest SCM Plug-In for Eclipse current release at publication time. For other known issues, contact Technical Support at <http://ca.com/support>.

This section contains the following topics:

[Check-In of Removed Item Fails](#) (see page 59)

[Resharing a Project Created from Root View Path](#) (see page 59)

[Conflict Status Not Shown](#) (see page 59)

[Share Project Wizard Does Not Show View Paths](#) (see page 60)

[Resource Synchronize Error](#) (see page 60)

Check-In of Removed Item Fails

Symptom:

I cannot check in a new file to a branch if the item with same name exists on the trunk and a removed (D-tagged) branch version exists in the package I use for the check-in.

Solution:

Check in the new file using the CA Harvest SCM Workbench.

Resharing a Project Created from Root View Path

If a project is created from the root level view path initially and then unshared, the project cannot be shared to the root level view path again.

Conflict Status Not Shown

Symptom:

If you delete an item from the Navigator view and then modify, move, or rename the associated item in the repository, a later Synchronize may show an Outgoing Deletion for the item rather than a Conflict.

Solution:

If the deletion is no longer wanted, use the Revert action to retrieve the version you want.

Share Project Wizard Does Not Show View Paths

Symptom:

While sharing a project to the CA Harvest SCM repository, I do not find a view path in the Share Project wizard.

Solution:

Refresh the entire project in the Explorer View.

Resource Synchronize Error

Symptom:

While performing refactoring operations, a "Resource out of sync" error appears.

Solution:

From the Navigator view, refresh activity on the project level.

Chapter 9: Plug-In for Microsoft Visual Studio Known Issues

This section lists the most prominent known issues for the CA Harvest SCM Plug-In for Microsoft Visual Studio current release at publication time. For other known issues, contact Technical Support at <http://ca.com/support>.

This section contains the following topics:

[Is Edited Column in Pending Changes View is not Updated](#) (see page 61)
[Undo of Newly Added Item to the Website Project does not Work](#) (see page 61)
[Item Level Context Operations Behavior is Inconsistent](#) (see page 62)
[Behavior of Specific VC++ Project Types in Visual Studio 2010](#) (see page 62)
[Form Does Not Display in the CA Harvest SCM Plug-In for Visual Studio](#) (see page 62)
[Previous Harweb Pages Appear When Opening a Form](#) (see page 63)
[Folder Names Appear in Lowercase](#) (see page 63)
[Properties Window in Visual Studio 2010 and Visual Studio 2012 does not Show SCM-related Information](#) (see page 64)
[Checkout Status Does Not Refresh](#) (see page 64)

Is Edited Column in Pending Changes View is not Updated

After editing and saving a file in the Online mode, the Is Edited column in the Pending Changes View does not update to the True status. This behavior exists only with VS 2012 IDE. For other IDEs, the scenario works as expected.

Undo of Newly Added Item to the Website Project does not Work

Symptom:

Executing Undo of newly added item to the Website Project does not work properly and the item still shows the newly added graph.

Solution:

To undo the change, select Delete on the newly added item.

Item Level Context Operations Behavior is Inconsistent

Symptom:

Sometimes, after performing the item level context operations, and when you check out, edit, and save one of the files, then either some of the items or the complete project is getting checked out.

Solution:

Execute the Commit function on all the checked out items. The CA Harvest SCM server detects no changes and hence no new versions are created.

Behavior of Specific VC++ Project Types in Visual Studio 2010

Symptom:

Visual Studio 2010 and 2012 automatically adds an External Dependencies folder and places some linked resources under the folder for the following project types:

- Win32 Console Application
- Win32 Project Static Library Application

This behavior, which is specific to Visual Studio 2010 and 2012, causes issues with some of the CA Harvest SCM operations such as Synchronize, Commit, and so on.

Solution:

For the mentioned project types, do not perform the commit operation by selecting Solution or Project from Solution Explorer, instead commit the changes from Pending Changes view.

Form Does Not Display in the CA Harvest SCM Plug-In for Visual Studio

Symptom:

When I click a form, it does not appear in SCM Plug-In for Visual Studio.

Solution:

Double-click a form in the CA Harvest SCM Explorer View to view the form in the plug-in.

Previous Harweb Pages Appear When Opening a Form

Symptom:

In Visual Studio IDE, when I attempt to open a form from the CA Harvest SCM Explorer using Harweb with default browser caching enabled, previous pages (login page, and so on) appear.

Solution:

Disable caching in the browser.

Follow these steps:

1. Open Internet Explorer.
2. Go to Tools, Internet Options.
3. Select the General tab, and click the Settings button.
The Settings page appears.
4. Select the "Every visit to the page" option, and click OK.
Caching is disabled.

Folder Names Appear in Lowercase

From the Visual Studio Solution Explorer, after deleting a folder that is named in either uppercase or uppercase and lowercase, the folder name appears in lowercase in the Pending Changes view.

Properties Window in Visual Studio 2010 and Visual Studio 2012 does not Show SCM-related Information

Symptom:

The properties window in Microsoft VS 2010 and VS 2012 does not show SCM related information.

Solution:

To see the SCM details of any managed item:

Right-click the item in solution explorer and select CA Harvest SCM, Properties.

OR

Select the item in solution explore and click Properties from the CA SCC Toolbar.

Checkout Status Does Not Refresh

After you open a solution from CA Harvest SCM, the checkout status does not get refreshed, unless you explicitly refresh it. This scenario is applicable only for the VS 2012 IDE.

Appendix A: Third-Party Acknowledgments

The third-party software license agreements are available in the \Bookshelf_Files\TPSA folder in the CA Harvest SCM Bookshelf: