02 APRIL 2015

OpenSpan version 7.1

Release Notes

These release notes contain important information you should know before you install OpenSpan version 7.1. Before you install this release, familiarize yourself with all of the new features and resolved issues listed in these release notes.

See these topics for more information:

Downloading this Release

You can download these products from the OpenSpan Support Center (requires a customer login):

- OpenSpan Studio version 7.1 Plug-in for Microsoft Studio 2010
- OpenSpan Studio version 7.1 Standalone Edition
- OpenSpan Runtime version 7.1

System Requirements and Installation Instructions

For more information on system requirements and instructions for installing these releases, see:

- OpenSpan Studio Plug-in for Microsoft Visual Studio 2010 Installation Instructions
- OpenSpan Studio Installation Instructions (standalone edition)
- OpenSpan Runtime Installation Instructions

New Features

Version 7.1 debuts three new OpenSpan Innovations, a growing collection of components for developers that are...

- Ready out-of-the-box
- Designed for an immediate impact
- Independent of or very lightly dependent upon automations
- Created to reduce the time required to publish a solution

OpenSpan Innovations leverage the experience of our Services teams as they implement solutions for customers. In this release, the new OpenSpan Innovations include:

- **Assisted Sign-On** — Version 7.1 includes an easy-to-use innovation that works across non-referenced projects as well as solutions and lets you quickly implement Assisted Sign on. This means…
  - When they start Runtime/Agile Desktop, users can enter credentials for all Assisted Sign-On applications in the Enter Credentials window.
  - Once credentials are entered, when individual applications present their login screen, the user ID and password fields can be automatically filled and the Login button clicked without using an automation.
  - To handle situations where users need to modify credentials, you can create an automation that displays the Enter Credentials window and either shows all of the affected applications or displays each application individually.
  - You specify whether user credentials are persisted when you configure Runtime or Agile Desktop.

  Used with the Start My Day innovation, this lets you get your Runtime/Agile Desktop users up and running quickly, efficiently and securely. For more information, see OpenSpan Help.
- **Start My Day** — This innovation lets you specify a list of applications in which a Runtime or Agile Desktop user will be presented when he or she first starts Runtime/Agile Desktop. This list can include non-OpenSpan programs and URLs, as well as applications used within OpenSpan adapters.

  Each Runtime/Agile Desktop user can customize and sort the list of applications to be started by Runtime/Agile Desktop. The items on the list are specific to the user. For more information, see OpenSpan Help.
- **Message Manifest** — This innovation lets you share message strings across multiple projects. You can also define the characteristics of a message dialog that can be displayed to Runtime/Agile Desktop users.

  Messages and other detailed information are entered in Studio via an editor. For more information, see OpenSpan Help.

Note Version 7.0 included the first three OpenSpan Innovations: 360 View, Notes, and Shortcuts, designed for Agile Desktop. The innovations added in version 7.1 can be used in Runtime or Agile Desktop implementations.

In addition to the OpenSpan Innovations, this release includes these new features:

- **OpenSpan Security Token Service (STS)** — This is an additional method for Single Sign-On that you can use to authenticate Runtime/Agile Desktop and Studio with OpenSpan Management Console (OMC). Using STS lets you avoid the per-seat licensing cost of Microsoft's ADFS, while providing a secure token provider for authentication to OMC using your Active Directory (AD) or Lightweight Directory Access Protocol (LDAP) user store. For more information, see Using the OpenSpan Security Token Service.
- **StartActivity Overloads** — This version adds methods to the Activity Component which provide additional ways to start activities. This version also adds the maxExecutionTime parameter to all activity start methods.

  Also in version 7.1, these methods were renamed and their parameters modified:

Old method	New method (for use in 7.1 and higher)
StartActivity	Start
StartActivityNow	StartNow
While the old methods were left in place for backwards compatibility, use their replacements going forward.	

  Here is more information:

  - maxExecutionTime — This new parameter is now available on all activity start methods. Use this parameter to specify, in milliseconds, how long an activity can run after it has been removed from the queue. For instance, if you want an activity to process, but you want to limit its processing time to 30 seconds, you would enter 30000. With that setting, if the activity starts but does not finish within 30 seconds, the activity is canceled. Using this parameter prevents a WaitForCreate method from blocking the activity queue. The default is blank, meaning there is no timeout interval.
  - StartAndWait — Use this method in automations that start an activity by placing it at the bottom of the activity queue. The automation will then block the automation from proceeding until the activity has reached the top of the queue and then executes completely or is canceled.
  - StartNowAndWait — Use this method in automations that start an activity by placing it at the top of the activity queue. The automation will not proceed until the activity executes completely or is canceled.
  - Start — Replaces the StartActivity method.
  - StartNow – Replaces the StartActivityNow method.

  With the Start/StartActivity and StartNow/StartActivityNow methods, when an activity is started, the item is added to the queue and the automation moved forward. If work was required once the activity was completed, you have to respond to a ActivityCompleted event.

  When you use the StartAndWait and StartNowAndWait methods, the automation waits until the activity finishes. Once the activity finishes, the automation then moves forward.

Note These new methods include the interactionKey parameter, which you should always set when you start an activity.

- **CancelActivity method** — This method has been enhanced to provide a way to interrupt a WaitForCreate (WFC) or WaitForEvent method and return immediately.

  For instance, in Interaction Framework, you can cancel an activity that is running. You can also cancel an activity that is in the queue. If, however, the activity was currently executing a WaitForCreate (WFC) method, the cancel would not take effect until the WaitForCreate finished processing. This means that if you were waiting for the WFC to time out, the act of cancelling would be blocked until the WFC finished. Use the new CancelActivity method to avoid this situation.
- **Port Java Memory Leaks** — This release corrects a problem which could cause Java process to hang by enhancing the OpenSpanJavaModel so that it now iterates the mIdKeyed and mHashKeyed collections looking for target objects which have been garbage collected. If any are found, their entries are cleared from the collections and the adapter is notified of their destruction.
- **New Runtime Events** — This release include the following events which can now be tracked in Runtime. You can configure these events in the RuntimeConfig.xml file, in the OperationalEvents section:
  - RuntimeStarted
  - RuntimeShutdown
  - PackageLoaded
  - Heartbeat
  - FatalError

  For more information, see OpenSpan Help.

Resolved Issues

This table summarizes the significant changes and updates included in OpenSpan version 7.1.

Hot Fix	Description
28388	This CR includes these changes: • Corrects a problem which could cause Internet Explorer to crash when you set the foreground window. • Corrects a problem which could prevent the OpenConnect emulator from connecting to the presentation space. • Corrects a problem which could cause Rundll32 to crash when stopping a web adapter if the Delete Browsing History option was turned on. • Corrects a problem which could prevent the Siebel adapter SetSelectedRows method from working. • Corrects a problem that prevented the WinHllapiSessionManager from detecting when WinHllapi adapters were stopped. • Adds support for Infragistics 14.1. • Updates the system to speed the matching of Siebel web pages.
28620	This CR includes these changes: • Creates a wrapper for the dynapaint.DPTextField Java component to properly set text. • Corrects a problem which could cause unhandled exceptions when you were working with injected .NET applications. • Removes a .DLL file that could prevent you from reloading a project when using OpenSpan Management Console. **Note**: Solutions will be upgraded after you apply this hot fix. You will not be able to use these solutions in prior versions of OpenSpan. You should clean, rebuild, and redeploy your solutions after you apply this hot fix. If you encounter this issue, be sure to delete the following file from your project extract directory: OpenSpan.Adapters.WinInet.dll • Makes sure the cache is cleared after a build exception. • Adds support for the Oracle Forms EwtDTree component. **Note**: If you have already interrogated this control, you will need to use ReplaceControl or delete and re-interrogate it. • Changes the system to prevent the EventsCache database from becoming corrupted. Null records will no longer be stored in the database and if one is retrieved it will be removed and events processing will continue.
29240	This CR includes these changes: • Adds a Java wrapper that supports the IntrinsicTable component. • Makes the system send a notification when a control is recreated. This addresses a problem in which controls were not properly destroyed when leaving a screen in Java and would not match the next time the screen was loaded.

Hot Fix	Description
29483	This CR includes these changes: • Makes sure UltraGrid in Internet Explorer is visible at run time when using OpenSpan. This avoids COM reference counting issues. • Corrects a problem which prevented the AddMenuItems dialog from showing all of the available menu items on a .NET MenuStrip. • Makes sure destroyed windows are removed from the Windows Debugger tab. • Updates the sample sites used in configuration files. • Adds operational events which you can use to determine when OpenSpan Runtime starts and stops.

Application Support Matrix

OpenSpan version 7.1 supports a large number of applications and technologies. You can find a list of these supported applications and technologies on the OpenSpan Support Center web site:

Application Support Matrix

Adding support for additional applications and technologies is an ongoing process. Contact OpenSpan Support for the latest summary.

OpenSpan, Inc.
Suite 200
11175 Cicero Drive
Alpharetta, Georgia 30022

Phone (International) +1 (678) 527-5400
Phone (US and Canada) (877) 733-1136
Email: sales@openspan.com