



# Release Notes

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## **Browsium Ion 3.0 Release Candidate (RC)**

Build Number: 3.0.1.1

Release Notes Updated: 12 October 2013

### **About this Release**

This document lists known issues and incompatibilities as of the release date. If you discover an issue, please review the Known Issues list below to determine if it has already been documented. If the issue is not referenced, please visit [Browsium Support](#) for troubleshooting tips, product documentation, and the option to submit support tickets.

### **What is Ion**

Browsium Ion is a web application remediation and browser management tool for enterprise. Ion enables legacy web applications to run in modern versions of Internet Explorer, allows multiple versions of Java to run side-by-side in the same version of Internet Explorer, and provides granular control over Internet Explorer settings to allow incompatible applications to run seamlessly on the same Windows system.

### **What's New in Ion 3.0**

This section details new features and architecture changes since the prior major released version. In this case, the prior version is Ion 2.0. This section does not detail changes from Ion 3.0 Beta to Ion 3.0 RC – that is covered in the next section.

- Ion 3.0 is a major upgrade to Ion, delivering dramatic improvements in ease of use, scalability, and reliability.
- Ion 3.0 simplifies remediation with smarter defaults and new wizards to automate complex tasks.
- The new Java Version Manager provides a wizard that automatically detects all versions of Java installed on the system, and enables easy selection of the desired Java version to be invoked to override the default.
- Ion 3.0 is built on a brand new architecture, developed by Browsium, called "Covalence". The Covalence architecture delivers powerful web application remediation and browser management capabilities with no adverse impact on non-remediated applications and the Windows system in general.
- The Covalence architecture invokes and controls Ion-managed instances of Internet Explorer, with admin-specified document modes and user agent strings, HTML, JavaScript and ActiveX Control overrides, and custom registry settings. An unlimited number of custom configurations can be created, and all are isolated from the default instance of Internet Explorer to deliver maximum performance and reliability.
- Ion 3.0 utilizes N+1 instances of Internet Explorer, where N is the number of Ion Profiles in use on a client system and "+1" represents the native, unmanaged instance of Internet Explorer. A new Internet Explorer window will be launched as each Profile is invoked. Multiple websites sharing the same Profile will open in tabs within a single Internet Explorer window. This experience maximizes performance and reliability for remediated applications, and ensures that Ion doesn't interfere with any non-remediated applications.

- Ion 3.0 adds support for IE10 on Windows 7 and Windows Server 2008 R2, and sets the stage for support for Windows 8.1 and Windows Server 2012 R2 with IE11 – coming in a future release.

## What’s New in this Release

This section details notable changes and new features since the prior release. In this case, the prior release is Ion 3.0 Beta.

- When invoking an Ion Profile to open an Ion-managed instance of Internet Explorer from outside of Internet Explorer (e.g., from a link in email or a desktop or Start Menu shortcut), an unmanaged Internet Explorer window with a blank tab is created and then quickly closed, followed by a redirection to the Ion-managed instance. This is a change from Ion 3.0 Beta where those blank IE windows and tabs were left open.
- Ion 3.0 RC adds the Examine Web Requests feature to each Profile. The feature determines when to send web requests and responses through Ion for examination and content modification.
- Ion 3.0 RC adds support for production license keys. Installation of the Ion Client presents users with a choice of installing a 30-day Evaluation Kit or a full license key.
- Ion 3.0 RC adds installation blocks for non-supported platforms like Windows 8 and Windows Server 2012.

## System Requirements

<b>Operating System</b>	Windows XP (32-bit only) Windows 7 (32 and 64 bit systems) Windows Server 2008 R2
<b>Browsers</b>	Microsoft Internet Explorer 8, 9, and 10
<b>.NET Framework</b>	Version 2.0 SP2 (or later)
<b>Processor</b>	1 GHz or faster 32-bit (x86) or 64-bit (x64) processor
<b>Memory</b>	1 GB total system RAM 2 GB total system RAM when used on a Terminal Server

## Installing and Using This Release

- If you already have Ion 2.0 or Ion 3.0 Beta on your test PC, you’ll need to uninstall both the Ion Client and the Ion Configuration Manager before installing Ion 3.0 RC.
- Ion 3.0 RC cannot read projects created with Ion 2.0 or Ion 3.0 Beta. Projects will need to be re-created to upgrade to this release. Contact [Browsium Support](#) if you need assistance with this process.

- You must install both the Ion Client (Ion-ClientSetup.msi) and Ion Configuration Manager (Ion-AdminSetup.msi) to test the software. (Pilot and production deployments to end user PCs only require the Ion Client software).
- Use the 30-day Evaluation Kit option during installation of the Ion Client unless Browsium has already provided you with a full license key for testing.
- Read the [Browsium Ion 3.0 Administration Guide](#) for more information on installing and using Browsium Ion 3.0 RC.

## **Known Issues**

- When you open a project file from Windows Explorer, the save function in Ion Configuration Manager will default to saving to the desktop, instead of to the original file. This will be fixed in a future release. As a workaround, always open project files from the File menu in Ion Configuration Manager or navigate to the original directory when saving and confirm the option to overwrite the original file.
- Ion will clear the Internet Explorer cache every time the Ion Controller starts – including every time a user logs onto the system. This action may display a status notification for a few seconds while the cache is being cleared. Ion provides a setting per project to turn cache clearing on and off. However turning it off may result in unpredictable behavior when changes are made to Ion projects. This feature will be enhanced in a future release of Ion to only clear the cache when an Ion project changes, instead of every time the Ion Controller starts.
- Session isolation has not been implemented in Ion 3.0. It will be added in a future release.
- On IE8 and IE9, attempts to load Java 1.6 version may throw an "object expected" error or the applet may not load at all. Refer to the [KB article](#) for the appropriate workaround.
- Under certain circumstances, opening or using an Ion configuration with Ion 3.0 RC that was created with an earlier version of Ion could result in a crash of the Ion Controller or the Ion Configuration Manager. Ensure that you're only using Ion 3.0 with configurations that were created with the Ion 3.0 RC Configuration Manager.
- On any system except Windows XP, The Ion Client only logs when Protected Mode is disabled for the zone in which web page loads. This functionality is by design. As a workaround, turn off Protected Mode in Internet Explorer if you need to capture logs for troubleshooting.
- Uninstalling both Ion Client 3.0 Beta and Ion Client 3.0 RC may fail to complete successfully if an Internet Explorer window is open during the uninstall process. To work around this issue, close all open Internet Explorer windows and run Uninstall again.. This issue will be addressed in a future release.
- On some systems, the Process Monitor tool in the Ion Configuration Manager may not display the list of processes.
- Pinned Site shortcuts created by Internet Explorer fail to properly open in an Ion-managed window of Internet Explorer. They open in the unmanaged Internet Explorer window instead. Pinned Site shortcuts should not be used with web sites that require Ion remediation. Internet Shortcuts on the desktop or Start menu will work properly.
- The address bar in an unmanaged Internet Explorer window may continue to show the URL that was redirected and opened in an Ion-managed Internet Explorer window. The contents of the web page in the originating window are not affected.
- If an Ion Rule matches the URL used for posting data (when the POST verb is used) to a different Profile than that referring webpage, the POST data is lost while moving the URL to the different Profile. Ensure both the referring webpage and the URL used for POST are matched to the same Profile to avoid inconsistent results.
- On systems with IE10 installed, selecting "Auto" for each Profile's "Examine Web Requests" property will default to the "Always" behavior. This issue will be addressed in a future release.

- Ion 3.0 cannot be installed on Windows 8 or Windows Server 2012 – the setup process will block installation on those platforms. A future release will add support for Windows 8.1 and Windows Server 2012 R2.

## **Contact**

For technical support, please visit the [Browsium Support website](#).