Bromium Secure Platform
4.0 Update 3
Release Notes
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Notices

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Bromium Secure Platform 4.0 Update 3

12/08/2017
Introduction

The release notes cover the Bromium 4.0 Update 3 product release, providing information about new functionality and the requirements for the Bromium platform. This document accompanies the *Bromium Secure Platform Installation and Deployment Guide*, which contains detailed setup and usage instructions for the platform.

AppPack Contents

This release contains Chromium (isolation protected Chrome) support version 62 32 and 64-bit.

**Note:** The Flash plug-in must be downloaded separately from the Adobe site to enable Flash functionality in isolation protected Chrome.

Bromium Platform Requirements

The Bromium platform requires the following hardware and software for this release:

<table>
<thead>
<tr>
<th>Hardware or Software</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Intel Core i3, i5, i7 with Intel Virtualization Technology (Intel VT) and Extended Page Tables (EPT) enabled in the system BIOS. AMD processor with Rapid Virtualization Indexing (RVI). Bromium supports most enterprise class AMD CPUs sold since 2011. Supported models have names of type A4/A6/A8/A10 (followed by a four digit number in which the first digit is not 3.) Bromium recommends quad-core AMD CPUs for optimal performance. In VDI/nested virtualization environments, Bromium supports Intel CPUs only.</td>
</tr>
</tbody>
</table>
| Memory               | Minimum: 4 GB RAM  
                       | Recommended: 8 GB RAM |
| Disk                 | 6 GB free disk space |
| Operating System     | Microsoft Windows 7 SP1 32-bit or 64-bit (Professional, Enterprise, or Ultimate)  
                       | **Note:** Ensure you have the following two prerequisites:  
                       | • For Windows 7 32-bit, Physical Address Extension (PAE) must be supported and enabled in the BIOS  
                       | • To use SHA-2 certificates, ensure you have Windows update KB3033929 or KB2949927 installed  
                       | Microsoft Windows 8.1 with Update 1 64-bit (Professional, Enterprise)  
                       | Microsoft Windows 10 Fall Creators Update and earlier, 64-bit (Professional, Enterprise)  
                       | For information about security features and hardware recommendations for Windows 10 releases, refer to the Microsoft site: [http://www.microsoft.com](http://www.microsoft.com)  
                       | If you are running Bromium Secure Monitoring only (that is, without isolation), Windows Server 2008 and Windows Server 2012 are also supported. |

**Note:** Refer to your system manufacturer's documentation for details about enabling virtualization on Intel and AMD processors.
Required Software for Isolation

- Microsoft Internet Explorer version 8, 9, 10, or 11

**Note:** On Windows 8.1, isolation does not protect web browsing sessions open in the Metro version of Internet Explorer. To allow or block browsing through Metro, add the `Browser.IEMetro.EnableIEHelperHook` setting with a value of 0 (allow) or 1 (block). For more information about adding settings to the policy, see the Bromium Secure Platform Installation and Deployment Guide or the online help in the Bromium Controller.

- Internet Explorer 11 Enterprise Mode and the Enterprise Mode site list

  **Note:** If you configure enterprise mode using the EMIE site list, ensure you do the following:
  1. If the EMIE site list is configured to be on a network path, that network path should be marked as trusted.
  2. If the EMIE site list is hosted on a web URL, the TLD should be trusted.

- Microsoft .NET Framework 3.5 or 3.5.1 (pre-installed with Windows 7)
- Microsoft .NET Framework 4.5 (pre-installed with Windows 8.1)
- Microsoft .NET Framework 4.6.2 (pre-installed with Windows 10 Anniversary Edition)
- Visual Basic for Applications (a shared feature in Microsoft Office installation for secure printing from Office)
- XPS Services must be enabled and the Microsoft XPS Document Writer must be present to use secure printing

### Additional Isolation Requirements

The following is required as appropriate:

- Local administrator privileges (if installing on specific machines for evaluation)
- Active Directory administrator privileges (if installing in the enterprise for production use)
- A license provided by your Bromium Sales or Customer Support representative, or you can use the included 21-day evaluation license
- To run isolation in a virtualized environment using VMware, ESX 5.5 Update 2 or later is recommended

### Supported Software

Isolation can be used with any file type (extension) that is associated with the following supported applications.

- Chromium versions 54, 55, 56, 58, 59, 60, 61, and 62
- Mozilla Firefox versions ESR 45 and 52 (32-bit versions)
- Microsoft Office 2010, MSI, x86 or x64:
  - Standard, ProPlus
- Microsoft Office 2013, MSI, x86 or x64:
  - Standard, ProPlus
- Microsoft Office 2013, Click-to-Run, x64 and x86:
- Microsoft Office 2016, MSI, x86 or x64:
  - Standard, ProPlus
- Microsoft Office 2016, Click-to-Run, x64 and x86:

**Note:** Microsoft Office shared computer activation licensing is supported; however on some systems, when opening an untrusted Word document users may temporarily see a banner stating Office has not been activated.

- Adobe Reader versions 9, 10, 11, DC Classic 2015, DC Continuous 2015, DC Continuous 2017, and DC Continuous 2018
- Adobe Acrobat Professional version 10 and 11, DC Classic 2015, and DC Continuous 2015
- Adobe Flash (all versions)
- Windows Media Player 12 (32-bit and 64-bit)
- Microsoft Silverlight 4, 5, and 5.1
- Oracle Java 6, 7, and 8 (32-bit)
- Autonomy (FileSite or DeskSite) version 9
- Endpoints running Hyper-V with the following configuration:
  - Windows 10 64-bit with virtualization-based security (VBS) enabled
  - UEFI Secure Boot enabled
  - Intel vPro 4th generation Core (i3/i5/i7) and newer

**Note:** AMD processors are not supported in this release.

- McAfee DLP for Internet Explorer
- Symantec DLP for Firefox
- McAfee Endpoint version 9.3 and later

Isolation has been tested with the following third-party endpoint security product solutions:

- Microsoft Security Essentials 4.0
- Symantec Endpoint Protection 11.0.6, 11.0.7, and 12
- McAfee Endpoint Protection or Total Protection 8.7 and 8.8
- Trend Micro OfficeScan 10.6
- Bit9 Parity

Other AV solutions have not yet been certified for compatibility with isolation. If you encounter issues, check the product's software alert logs.

**Important:** Ensure you create appropriate exclusions in the configuration of installed endpoint security products so that they do not interfere with or prevent the normal operation of isolation. Necessary actions may consist of excluding all Bromium processes and binaries from the third-party endpoint security product. To create exclusions, refer to your third-party product documentation. The absence of exclusions may result in failed Bromium initialization and slow or blocked browsing and opening of untrusted documents. Refer to the *Bromium Installation and Deployment Guide* for information about creating exclusions.

**Supported Languages**

Isolation supports user interfaces in the following languages on the specified version of Windows:
- English US (en-US), all supported versions of Windows
- English UK (en-GB), Windows 8 and later. On Windows 7, GB is supported as a locale, not a language.
- French (fr-FR), all supported versions of Windows
- French Canadian (fr-CA), Windows 10 and later
- German (de-DE), all supported versions of Windows
- Spanish (es-ES), all supported versions of Windows
- Swedish (se-SV), all supported versions of Windows
- Italian (it-IT), Windows 10
- Brazilian Portuguese (pt-Br), Windows 10

**Note:** Isolation supports all Windows locales.

### Running Monitoring and Windows 10 Fall Creators Update

Support for Windows 10 Fall Creators Update was introduced in Bromium Secure Platform 4.0 Update 3 and will not work on earlier versions of Bromium. To upgrade to Windows 10 Fall Creators Update, you must upgrade to Bromium Secure Platform 4.0 Update 3 or later before updating Windows.

If you have already upgraded to Windows 10 Fall Creators Update, see [https://support.bromium.com/s/article/Planned-Support-for-Microsoft-Windows-Fall-Creators-Edition](https://support.bromium.com/s/article/Planned-Support-for-Microsoft-Windows-Fall-Creators-Edition) for information about resolving this issue.

### Monitoring Interval Setting

The `BEM.UpdateInterval` setting controls the frequency (in seconds) with which the endpoint communicates with the controller for regular updates (policy changes and so on.) It is recommended that this interval is set to 900 (seconds) to optimize CPU and network usage. You can add this setting in the controller in the policy Advanced tab.

### Controller Requirements

The following tables list the hardware and software requirements for the server running the controller and the SQL database on which it relies.

**Important:** Before installing a new version of the controller, back up your current database.

### Bromium Controller Requirements

<table>
<thead>
<tr>
<th>Hardware or Software</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>SandyBridge Intel Xeon Quad-core or better</td>
</tr>
<tr>
<td>Disk</td>
<td>1 TB free disk space</td>
</tr>
<tr>
<td>Network</td>
<td>Port 443 on the web server must be available for the management application</td>
</tr>
</tbody>
</table>
Hardware or Software | Description
--- | ---
Memory | 16 GB RAM
Software | Microsoft IIS 7.5+ with CGI module, IIS Manager, static content, and anonymous authentication installed
 | .NET 4 Extended (server)
SSL | Valid SSL certificate trusted by endpoints
 | (For testing only, the server may be configured insecurely to run in HTTP mode)

**Supported Browsers**
The controller web interface is supported on the latest versions of Internet Explorer, Chrome, and Firefox ESR.

**SQL Database Requirements**

<table>
<thead>
<tr>
<th>Hardware or Software</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance</td>
<td>200 IOPS sustained per 1000 endpoints</td>
</tr>
</tbody>
</table>
| Software | SQL Server 2008 R2 Service Pack 1 64-bit, SQL Server 2012 (all service packs), SQL Server 2014, SQL Server 2016
 | Standard and Enterprise editions are supported
 | Server Management Studio (SSMS) as the management suite for the controller database
 | (SQL Express should be used in a limited test environment only) |
| Storage Space | 1 TB available space |

**Note:** If you are using msiexec to install Bromium remotely, ensure you include the SERVERURL setting. Otherwise, installation will fail.

**What's New?**
This release provides the following new features and changes.

**Isolation Features**

**Support for Windows 10 Fall Creators Update**
Isolation can now be run on the latest version of Windows 10, Fall Creators Update (Redstone 3, version 1709.)

**Pass Trust Information Between Exchange Domains**
You can now pass trust information for Outlook attachments between Exchange servers and domains. To enable this feature, add the value 1 to the Untrusted.OutlookEnableSMTPTrust setting then ensure relevant domains are added to the Trusted internal email domains list in the policy.

**Support for Italian and Brazilian Portuguese**
Isolation supports applications and Windows running in Italian and Brazilian Portuguese languages.
Printing Untrusted Documents
You can now print untrusted Office and PDF documents using the context (right-click) menu in Windows Explorer.

Introspection Support for PowerShell Script Files
Malicious script detection using isolation now covers PowerShell script (.PS1) files.

Support for Virtualization Based Security (VBS)
Isolation is compatible with endpoints running VBS with the following configuration:

- Windows 10 64-bit with virtualization-based security (VBS) and Hyper-V enabled
- UEFI Secure Boot enabled
- Intel vPro 4th generation Core (i3/i5/i7) and newer

Note: AMD processors are not supported in this release.

Controller Features

Monitoring Operational Status in the Dashboard
In addition to isolation operational status (health), you can now view the operational status for monitoring.

Key Attack Vectors Links
When you click a Key Attack Vectors graph in the Dashboard, the Threats page opens using the corresponding filters applied. For example, if you select Host Threats and click on the Internet Explorer graphic in the Dashboard, the Threats page opens displaying host threats with the Internet Explorer filter applied to the table.

New Event Data Retention Options
In the Settings page, enable the Delete old events or Delete old threats option to automatically delete threats or events after a specified number of days. Enter the maximum number of days threats or events should be retained before being automatically deleted.

Filter Events By Event Type
On the Events page, you can now filter by Event Type.

Bromium Secure Monitoring Features
If you have Bromium Secure Monitoring enabled, the following features are available in this release.

Add Notes to Exclusions
When you create or edit a monitoring rule and you add an exclusion or a trigger, you can click to add a note.

Browser Features

Support for Accelerators in Internet Explorer
You can now use accelerators (such as Define on Google or Find on Facebook) with Internet Explorer on untrusted sites.
Support for Symantec Data Loss Prevention

Isolation can now be run with the Symantec Data Loss Prevention (DLP) extension in Firefox. To enable DLP, contact Bromium Support for assistance.

Limitations

General

- This release is not compatible with Oracle VM Virtualbox and should not be installed with machines running Virtualbox. If XVM.CustomHypervisorArgs="hvmonoff=1" is enabled, this setting will be ignored.
- Applications opened in isolation (that is, in a micro-VM) are not available to assistive technology such as JAWS and ZoomText Magnifier/Reader
- If the Bromium Platform installation fails on systems running Windows 7, install Microsoft patch KB3033929 and install Bromium again
- Do not install Bromium software from a removable drive, such as a USB drive. Removable drives are not trusted by default and, when the initialization stage occurs, the installer will fail because it can no longer read the data on the removable drive.
- The installation interface is not localized for other languages; the interface is displayed in English only
- On some systems, the isolation Desktop Console and Live View user interfaces can take over 30 seconds to open. If you experience slow display times on a system running Windows Presentation Foundation, open the Services management window and disable Windows Presentation Foundation Font Cache 3.0.0.0. You can also purge the font cache as described in http://support.microsoft.com/kb/937135.
- If you are using RDP to access a physical system, you may not be able to interact with the Desktop Console or the Bromium download dialog because they are "transparent." To resolve this issue, install .NET 4.0 on the endpoint.
- Some online meeting websites such as WebEx, Adobe Connect Pro and Live Meeting may not work when opened in isolation. This is because these websites attempt to run executable content on the desktop that is blocked by isolation. To allow these websites to work, mark them as trusted.
- Saving to and opening from the cloud is not supported for Office 2013
- If isolation is not already initialized on the system, users that have roaming profiles will see initialization occur the first time they log in to the system
- To install Symantec Endpoint Protection after Bromium, restart the machine first

Web Browsing with Internet Explorer

- Untrusted websites are not permitted to run ActiveX controls. If a website does not work due to an ActiveX error and the site is known to be trustworthy, it can be added to the trusted websites list so that it will be run on the local system without isolation.
- Site pinning is not supported
- Some Internet Explorer settings cannot be modified. If a setting is unavailable, a message is displayed to the user.
- Untrusted websites that use a custom file download or upload manager may not work. If the download/upload manager on a website fails and the site is known to be trustworthy, it can be added to the trusted websites list so that it will be run on the local system without isolation. Refer to the Bromium Secure Platform Installation and Deployment Guide for details.
- Isolation does not support TabProcGrowth settings in Internet Explorer
- Browsing with isolation does not work if Internet Explorer security settings are set to High or if file downloads are disabled
- On Windows 8, if you attempt to play a movie on the Netflix site, an error page may be displayed, particularly on slow computers

**Web Browsing with Chrome**

- The Flash plug-in must be downloaded from the Adobe site to enable Flash functionality in Chrome
- Uploading and synchronization of browsing-related user data to Google (such as history and bookmarks) is disabled
- Skype extension is not supported
- To use the Widevine Content Decryption Module with video streaming sites such as Netflix, you must add the site to the trusted sites list

**Web Browsing with Firefox**

- If Firefox is already installed on endpoints and has not been launched previous to installing the Bromium platform, you must do the following to ensure browser sessions are isolated in a micro-VM:
  
  1. Launch Firefox to create a new profile for the user. If you have multiple users or if you create new users, you must launch Firefox for each new or additional user.
  2. Close Firefox and restart Bromium isolation.

You can now launch Firefox in an isolated micro-VM.

These steps also need to be performed if you create more than one Firefox profile per user.

**Documents**

- Isolation prevents users from opening any untrusted files that cannot be opened by one of the supported applications. If a downloaded file is not currently supported but is known to be trustworthy, right-click the file and select the Trust this file menu option.

  **Note:** This operation may require administrative access.

- Bromium isolates untrusted documents from accessing corporate resources or files stored on the desktop or intranet. As a result, if a document open in isolation attempts to connect to a database on the intranet or a linked file on the desktop, it will fail and produce an error. To enable this functionality, trust the document.
- Untrusted ASX video files and untrusted Windows Update Standalone Installer (MSU) files cannot be opened using isolation
- Isolation does not support multiple, simultaneous Microsoft Office installations of the same version (for example, Office 2010 Standard in one location and Office 2010 Professional Plus in another)
- Users may receive an error when opening an untrusted file with paths containing more than 214 characters

**Controller**

- The controller continues to display last known device health status even when the device has not been recently reconnected
Autonomy

- For Autonomy, isolation supports trusted log in mode only
- Links to documents saved in Autonomy cannot be previewed in Microsoft Outlook
- In Autonomy, the compare/combine functionality in Excel does not work
# Fixed Issues

## Issues Fixed in 4.0 Update 3

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40452</td>
<td>Further work done to correct &quot;Internet Explorer security zone settings are not preserved when sites are isolated in a micro-VM&quot;</td>
</tr>
<tr>
<td>40139</td>
<td>Printer is not displayed in the untrusted document printer list</td>
</tr>
<tr>
<td>40091</td>
<td>Internet Explorer security zone settings are not preserved when sites are isolated in a micro-VM</td>
</tr>
<tr>
<td>40084</td>
<td>Firefox no longer works after upgrading to Bromium Platform 4.0 Update 2</td>
</tr>
<tr>
<td>39942</td>
<td>VM images do not initialize</td>
</tr>
<tr>
<td>39879</td>
<td>Microsoft Office (2010 and 2016) Word documents may become unresponsive for up to 30 seconds or more</td>
</tr>
<tr>
<td>37667</td>
<td>Isolated Chrome page is blank, however it displays correctly in Live View</td>
</tr>
<tr>
<td>37654</td>
<td>Files cannot be uploaded using Firefox</td>
</tr>
<tr>
<td>37543</td>
<td>All pinned tabs do not load in Chromium when numerous tabs are opened</td>
</tr>
<tr>
<td>37494</td>
<td>RSA SecurID app cannot import the RSA token when isolation is installed</td>
</tr>
<tr>
<td>37428</td>
<td>With IME enabled in an untrusted Excel document, users are experiencing unusual behavior with predictive word suggestions</td>
</tr>
<tr>
<td>37368</td>
<td>When users type in Korean using IME into Chrome, only one character appears at a time; other characters overwrite the first character typed</td>
</tr>
<tr>
<td>37367</td>
<td>Devices that are manually archived in the controller Last Connection date is changed to the date on which the device is archived. Devices are also listed in the controller as Connected after they have been archived, even if disconnected prior to being archived.</td>
</tr>
<tr>
<td>37242</td>
<td>SAP crashes when accessing a data warehouse using Excel add-in</td>
</tr>
<tr>
<td>37240</td>
<td>Desktop Console does not start and an error message stating isolation has been disabled is displayed after installing Bromium 4.0 Update 1</td>
</tr>
<tr>
<td>37156</td>
<td>Firefox 55 does not work if isolation is installed</td>
</tr>
<tr>
<td>36994</td>
<td>When users open an untrusted PowerPoint document and click the File menu, an error is displayed</td>
</tr>
<tr>
<td>36869</td>
<td>When multiple instances of Firefox are opened with multiple tabs, Firefox does not allow users to right-click in a web page</td>
</tr>
<tr>
<td>36867</td>
<td>Micro-VM fails to load with fast user switching</td>
</tr>
<tr>
<td>Issue ID</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>36347</td>
<td>Visual Studio 2015 is slow and debug fails</td>
</tr>
<tr>
<td>36311</td>
<td>When opening a file from a server or network share that is running FideAS, an error is reported</td>
</tr>
<tr>
<td>32266</td>
<td>False positive alerts are triggered for image files</td>
</tr>
</tbody>
</table>

**Issues Fixed in 4.0 Update 2**

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>37342</td>
<td>When navigating to sites in Internet Explorer, an Adobe error is displayed stating &quot;The Acrobat PDF browser plug-in is missing&quot;</td>
</tr>
<tr>
<td>37319</td>
<td>Microsoft Word crashes after upgrading to Bromium Platform version 4.0.1</td>
</tr>
<tr>
<td>37218</td>
<td>&quot;Aw snap&quot; error message displayed in Chromium</td>
</tr>
<tr>
<td>37201</td>
<td>Trusting files produces a timeout error after upgrading to Bromium Platform version 4.0.1</td>
</tr>
<tr>
<td>37125</td>
<td>Excessive resource usage when events are processed by syslog</td>
</tr>
<tr>
<td>36985</td>
<td>Email destinations display an error after upgrading to Bromium Secure Platform 4.0 Update 1</td>
</tr>
<tr>
<td>36933</td>
<td>Micro-vm fails to load in Bromium Secure Platform 4.0 Update 1</td>
</tr>
<tr>
<td>36932</td>
<td>Isolation does not reinitialize after reboot</td>
</tr>
<tr>
<td>36856</td>
<td>Videos do not play on protected Chrome on Windows 7</td>
</tr>
<tr>
<td>36844</td>
<td>Upgrade to Bromium 4.0.1 fails due to database connection failure</td>
</tr>
<tr>
<td>36783</td>
<td>Some keys on Japanese keyboards do not work in isolation</td>
</tr>
<tr>
<td>36766</td>
<td>Isolation initialization fails with a UPDATEGUEST_UXEN_GUEST_TOOLS_INSTALL_REJECTED error</td>
</tr>
<tr>
<td>36763</td>
<td>After reinitializing isolation, a LAST_BOOT_POWER_ON_FAILURE message is displayed</td>
</tr>
<tr>
<td>36696</td>
<td>Firefox performance issues due to cookie timeouts</td>
</tr>
<tr>
<td>36605</td>
<td>Emails cannot be saved as PDF until they are renamed</td>
</tr>
<tr>
<td>36602</td>
<td>When switching between Firefox and other applications or switching tabs in Firefox, users cannot enter text in the Firefox address field</td>
</tr>
<tr>
<td>36561</td>
<td>Delay when loading the Devices page in the controller</td>
</tr>
<tr>
<td>36498</td>
<td>Isolation initialization fails when driver check times out</td>
</tr>
<tr>
<td>36485</td>
<td>Hibernation mode causes laptops to restart</td>
</tr>
<tr>
<td>36337</td>
<td>False positive alerts are triggered by a default rule in Bromium Secure Platform 4.0 Update 1</td>
</tr>
<tr>
<td>Issue ID</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>36334</td>
<td>PDF downloads through the terminal cannot be opened</td>
</tr>
<tr>
<td>36268</td>
<td>Mouse scroll wheel does not work in terminal windows</td>
</tr>
<tr>
<td>36022</td>
<td>Default printer setting is not immediately set when opening isolated documents</td>
</tr>
<tr>
<td>35915</td>
<td>Adblock stops working on consecutive sites opened in the same browser tab</td>
</tr>
<tr>
<td>35804</td>
<td>In Internet Explorer, the right-click <strong>Save Target As</strong> option is permitted on download links, even if the site is listed in Browser.BlockedDownloadAddresses</td>
</tr>
<tr>
<td>35796</td>
<td>Outlook attachment from trusted sender becomes untrusted after dragging and dropping</td>
</tr>
<tr>
<td>35279</td>
<td>The send by email option for HTML pages in Outlook does not work for trusted sites</td>
</tr>
<tr>
<td>34750</td>
<td>Chromium does not honor non-standard protocol handlers for terminal users</td>
</tr>
<tr>
<td>34201</td>
<td>In Chrome, the <strong>Save as PDF</strong> option does not retain the previously saved file location</td>
</tr>
<tr>
<td>2111</td>
<td>Chkdsk does not complete successfully on reboot when monitoring is installed</td>
</tr>
</tbody>
</table>

**Issues Fixed in 4.0 Update 1**

<table>
<thead>
<tr>
<th>Issue ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>36029</td>
<td>In the Dashboard in the controller, threat alerts displayed with the label &quot;24 hours&quot; is misleading. Label has been changed to &quot;TODAY&quot; to make this clearer.</td>
</tr>
<tr>
<td>36025</td>
<td>Threats uploaded to the controller from monitoring do not contain Registry Modified details</td>
</tr>
<tr>
<td>35994</td>
<td>Devices are dropped from the base policy to &quot;Ungrouped&quot; during upgrade</td>
</tr>
<tr>
<td>35838</td>
<td>Triggers for threat events are not highlighted in the controller</td>
</tr>
<tr>
<td>35664</td>
<td>Internet Explorer page cannot be displayed when secondary proxy is used</td>
</tr>
<tr>
<td>35513</td>
<td>Isolation initialization fails when a .dll file with no description or version number is present in the C:\Windows\System32 directory</td>
</tr>
<tr>
<td>35502</td>
<td>Bitlocker is suspended for all drives</td>
</tr>
<tr>
<td>35469</td>
<td>Certificate error displayed in Chrome 58</td>
</tr>
<tr>
<td>35320</td>
<td>Isolation does not reinitialize when a swap corruption occurs</td>
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<td>35317</td>
<td>Add Trusted Site dialog can be resized</td>
</tr>
<tr>
<td>35290</td>
<td>In Firefox, uploads bigger than 500KB fails</td>
</tr>
<tr>
<td>Issue ID</td>
<td>Description</td>
</tr>
<tr>
<td>----------</td>
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</tr>
<tr>
<td>35284</td>
<td>Total Commander cannot open an Excel file with a space in the file name</td>
</tr>
<tr>
<td>35282</td>
<td>Threat check fails if the file path is inconsistent</td>
</tr>
<tr>
<td>35147</td>
<td>Message to close Chrome is displayed when isolation is disabled</td>
</tr>
<tr>
<td>35124</td>
<td>Flash plug-in permissions are not present in protected Firefox</td>
</tr>
<tr>
<td>34889</td>
<td>In Firefox, text pasted over existing text does not overwrite the original text and is appended to it instead</td>
</tr>
<tr>
<td>34847</td>
<td>Registry events related to registry events related to HKLM\ControlSet001\Services\VSS\Diag cause false positive threat alerts</td>
</tr>
<tr>
<td>34736</td>
<td>“Trust this site” in Chrome is not localized</td>
</tr>
<tr>
<td>34245</td>
<td>Error displayed when users drag and drop a file from Lotus Notes into a network share when isolation is enabled</td>
</tr>
<tr>
<td>34131</td>
<td>If files are dragged and dropped from Internet Explorer, they become untrusted</td>
</tr>
<tr>
<td>33676</td>
<td>The enterprise.verizon.com site .doc and .html download options save files with an .htm extension</td>
</tr>
<tr>
<td>32939</td>
<td>ArcGIS runs slower when isolation is enabled</td>
</tr>
<tr>
<td>32284</td>
<td>This fix introduces the Untrusted.SendToCompressedFolder setting to provide more options for .zip files. If all files in a .zip archive are trusted, the compressed folder is also trusted. If there is a mixture of untrusted and trusted files or untrusted and malicious files in the archive, the compressed folder is untrusted.</td>
</tr>
<tr>
<td>31123</td>
<td>QuickAccess pins on Windows 10 does not work properly when isolation is enabled</td>
</tr>
</tbody>
</table>
Getting Help

If you have questions that are not answered in these Release Notes or the accompanying documentation, please contact Bromium:

- Open https://support.bromium.com in a web browser (if you do not have an account, contact your Bromium Sales representative or Support)
- Email questions to support@bromium.com
- Call Bromium Customer Support at 1-800-518-0845
- Call your technical account representative directly

To provide more information about your issue, you can create an error report before opening a ticket with Bromium Support. Click in the taskbar, select Open Desktop Console, click Support > Send Report, and confirm.

Feedback

To provide feedback on this documentation, you can send an email to documentation@bromium.com