Release Notes

Browsium Proton 1.2

Product Version: 1.2.1

Release Notes Updated: 17 June 2016

About this Release

This document lists new features and known issues 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 Proton

Proton, the newest module in Browsium's browser management suite, is an easy to use web application inventory and analytics solution for enterprise IT. Along with its comprehensive inventory capabilities, Proton also provides critical correlations between browsers and web applications, giving IT teams the actionable insights they need to make better decisions. As a result, Proton is an invaluable resource in every modern IT department's management toolset.

What's New in this Release

This section of the release notes is reserved for notable changes and new features since the prior version.

> What's new in Proton 1.2.1:
>
> This section details changes to Proton since the prior version, Proton 1.2.
>
> - Enhanced ActiveX detection runs faster, is more secure, and finds ActiveX controls by MIME type and within embed tags
> - Cleaner uninstall and upgrade behaviors
> - Client stability improvements, including a fix for a mismatched lookup table

Minimum System Requirements

Proton Express (evaluation kit)

Operating System	Windows 7 SP1 or later Windows Server 2008 R2 SP1 or later
.NET Framework	Version 4.0 or later
Additional Components	Microsoft IIS Express 7.5 (installed automatically) Microsoft SQL Server Express 2012 (installed automatically)
Processor	1 GHz or faster 32-bit (x86) or 64-bit (x64) processor
Memory	1 GB total system RAM, 2 GB for use on Windows Server

Proton Service & Database

Operating System	Windows Server 2008 R2 SP1 or later
.NET Framework	Version 4.0 or later
Additional Components	Microsoft IIS Microsoft SQL Server Web Edition or higher
Processor	1 GHz or faster 32-bit (x86) or 64-bit (x64) processor
Memory	2 GB system RAM

Proton Client

Operating System	Windows XP Windows 7 Windows 8 Windows 10 Windows Server 2003 Windows Server 2008 R2 Windows Server 2012 R2
Browsers	Internet Explorer 6 or later Google Chrome 39 or later Mozilla Firefox 36 or later
.NET Framework	Version 3.5 SP1 or later (full version only)
Processor	1 GHz or faster 32-bit (x86) or 64-bit (x64) processor
Memory	1 GB total system RAM, 2 GB for use on Windows Server

Installing and Using This Release

- Run Proton-Setup.exe to install the server components of Proton. Once you have a functioning server, then you may install the Proton Client using Proton-ClientSetup.msi, which requires the address of your Proton server to complete setup.
- Install using the Express Install (Evaluation-only) option unless Browsium has already provided you with a license key. This will install Proton Express which is designed for evaluation use.
- Proton Express will run for 30 days and is limited to 50 clients. It will automatically install the Proton Client on the system running Proton Express so you'll have an instant test environment. You may install the Proton Client on up to 49 additional clients, manually or via scripted install.
- Proton Express installs a self-signed certificate that is trusted only on the system running Proton Express. Attempting to run the Proton Manager (web application for administration and reporting) from a remote client will result in a series of SSL certificate warnings. Those warnings can be bypassed, but it's recommended that you access the Manager from the same system running Proton Express.
- Proton Server setup defaults to using port 31068 for its HTTPS traffic. This default value is used to avoid conflicts with other web services running on the same system. If Proton Server is installed on a dedicated server (the recommended configuration), port 443 is a better choice as the port number need not be specified when the server URL is accessed.
- To access the Proton Manager, choose (or search for) Proton Manager from the Start menu of the system running Proton Express. This will provide a special link to the Manager with your server URL embedded to automatically populate the server URL in the login screen. You may also access the Manager directly from https://proton.browsium.com/manager and then enter your Proton server URL manually (example: https://myprotonserver.mycompany.com/server).
- If you're accessing the Manager for the first time, select Create Account to create your Proton Administrator account. The first account is auto-approved. Subsequent accounts will need to be approved via the Manager's Users page.
- Proton Controller will not start automatically after installing Proton Client. It will start the first time Internet Explorer, Chrome, or Firefox is launched and on every subsequent Windows logon. However, if Internet Explorer starts the Controller the first time, browsing activity during that session may not be recorded. Close all Internet Explorer windows and open Internet Explorer again to work around this issue.
- If you have a valid Proton license key, install using the Full Install (License Key Required) option. Keep in mind the Full Install option has much higher system requirements and is far more complex, including requiring an SSL certificate. You'll want to review the Proton Administration Guide before attempting a Full Install.
- Read the Proton Administration Guide for more information on installing and using Browsium Proton 1.2.

Known Issues

- If Proton Server is being installed on Windows Server 2012 or Windows Server 2012 R2 that's also a domain controller and does not have IIS installed, Proton setup will be unable to install IIS automatically. To work around this, install IIS first and then run Proton setup.
- The date selector in Proton Manager is not automatically updated when your PCs calendar rolls to the next day. When this happens, "Today" becomes "Yesterday" and "Yesterday" becomes … well you get the point. To work around this, refresh your browser tab and the date will become current.
- Java version detection during browsing activity may not be reported until the browser tab is closed because of the way Java interacts with the Internet Explorer DOM.

- The version number of the Proton extensions for Chrome and Firefox may not be an exact match with the version number of the Proton Client and Internet Explorer extension. This is by design as the version and publishing mechanisms are different for each component. Consult the Browsium Proton Knowledge Base for a current list of the version numbers for each Proton component.
- The Proton Manager web site works best in Google Chrome and Internet Explorer 11. Earlier versions of Internet Explorer may have reduced functionality.
- Running the Proton Client on virtual machines that have been cloned may result in a duplicate machine SID causing Proton to only see inventory and activity data from one of the clients. It's also possible that the client connected to the Proton Server may alternate, resulting in unpredictable inventory and activity data.
- Installation of the local version of Proton Manager (not the default, found in Advanced Options during setup) running under IIS requires the URL Rewrite Module 2.0 for IIS to be installed. This dependency is automatically installed by setup. If, for some reason, the URL Rewrite Module installation fails during Proton setup, no error will be shown during setup. However, you will see a web.config error from IIS when trying to load the Manager site. If you run into this problem, install the URL Rewrite Module manually to fix your local installation of Proton Manager on IIS.
- Proton does not provide an easy way to recover lost administrator passwords. If you forget your Proton administrator account password, contact Browsium Support for assistance. Direct access to the SQL database can be used to reset the accounts so you can re-create the first, auto-approved administrator account.
- If you are using IE11 on Windows 10, you will not be able to use the Proton Manager hosted on the Internet (e.g. at proton.browsium.com) to connect to a Proton Server on your local intranet that is using a self-signed cert. To use hosted Proton Manager in such a configuration, add the hosted Proton Manager site (proton.browsium.com) to the Intranet zone and refresh the page.
- Using IE11 to access the Server Status page (e.g. https://myprotonserver:port/server) for a server on your local Intranet results in a JSON representation of server status being downloaded instead of the server status page actually loading in the browser. To see the server status page, use a browser other than IE11.
- Installing Proton Express on a machine that has SQL Server Management Studio or other SQL-related components may cause Proton Setup to skip installing SQL Server 2012 Express. To work around this, install SQL Server 2012 Express manually and then run Proton Setup.
- The bar chart on the Activity -> Web Application Usage page shows a bar for each application displayed in the table. When a large page size (e.g. 100 or 1000) is selected, the bar chart may become unreadable.
- Attempting to install the Full version of Proton Server or Manager on Windows 10 results in an IIS configuration error. Proton Full edition is only supported on Windows Server SKUs - on client SKUs like Windows 10; use Proton Express instead.
- Sorting ActiveX controls by the version column on the Clients -> ActiveX Inventory page sorts versions alphabetically, not numerically.
- When upgrading Proton Client, the Proton Firefox extension is not automatically updated if earlier version of the extension is in the disabled state. To ensure extension is also updated during the upgrade, ensure Proton Firefox extension is enabled before running Proton Client setup.
- When you make a rule change you can see the new or updated rule in the Manager, but the changes to web application mappings are not enacted immediately. Rule mapping is done in the background on the Proton database server. The length of time that takes varies depending on the size of the database, the change made, how many URLs the rule matches, the speed and load on the database server, and what other background processing is occurring.

Contact

For technical support, please visit the Browsium Support website.

What's New in Prior Releases

What's new in Proton 1.2:

This section details changes to Proton since the prior version, Proton 1.1.

- Adds data collection and reporting of Document Mode values (in Internet Explorer only) to help identify which pages are rendered in legacy modes and insights into how that mode was selected.
- Reports now include information on ActiveX Control security values, specifically safe for scripting and safe for initialization, helping organizations identify and resolve insecure settings needed for line of business applications.
- Report columns can now be sorted in ascending or descending order to aid in content analysis.
- Now includes Data View exports, enabling easier sharing and integration of Proton report data into other media and analytics tools.
- New Diagnostics page in Proton Manager provides additional insights on system health and operations.
- Enables bulk upload of Ignore Rules to ease the creation of large sets of rules.
- New Power User account type in Proton Manager enables greater access without opening all settings.
- Performance enhancements in the Report & Filtering processes enable quicker response and ability to handle significantly larger data sets.
- Backend database performance optimizations enable larger client deployments and faster integration of data.
- Filters now support views by AD Site and IP range values.
- New Data Retention Policy helps compliance with corporate data requirements and manage database growth.
- Addresses a bug where rule mapping may not complete when too many records are active.
- Fixes bug where blocked ActiveX controls may be unreported in Proton inventory.
- Fixes bug where Proton client is not available for download in self-hosted Proton Manager.
- Fixes issue with F5 (refresh) not updating screen report views.

What's new in Proton 1.1:

Proton 1.0 was the first commercial release of Proton, so every is new. All future releases will contain a change log detailing the new features and bug fixes in each release.