



BreakingPoint QuickTest Release Notes

Release 1.3, June 2020

Release Notes Version 1.0



Notices

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Overview

Document Purpose

This document provides information regarding the BreakingPoint QuickTest 1.3 release, including information about new features, known defects, resolved issues, and workarounds (if available).

Background

BPS QT (BreakingPoint QuickTest) offers users pre-configured test suites designed to accelerate testing and reduce the network and security operations staff learning curve. Each test suite provides rapid, yet comprehensive verification of application and security scenarios, concise and actionable test scores for faster result analysis, and complete automation for continuous assessment.

Technical Support

To contact the BreakingPoint Support team, e-mail them at support@ixiacom.com or call them at 1-818 595 2599.

Documentation

The listed BPS QT documentation can be obtained at:

<https://support.ixiacom.com/support-overview/product-support/downloads-updates> > **BreakingPoint Software** > **BreakingPoint QuickTest**

- *BreakingPoint QuickTest User Guide*

New Features

BreakingPoint QT Update 3 is an alignment release.

The new features in this release are:

- Reports are now available in PDF format (print all categories and stages that were run)
- Ability to Export/Import Environment configuration
- Added support for VLAN on source and destination
- Proxy/RunScript checkboxes moved in Environment page
- NSO algorithm improvements

Supported Platforms and Compatibility Matrix

BPS QT is supported on PerfectStorm ONE, XGS12 and XGS2.

Supported Hardware:

- PerfectStorm 40GE2NG in 8x10G fan out mode
- PerfectStorm 10GE8NG
- PerfectStorm 10GE8QT
- CloudStorm in 8x10G fan-out mode

Compatibility Matrix

BreakingPoint QuickTest	9.03
BreakingPoint	9.00
IxOS	9.00 Patch1/Patch2
IxLoad	9.00
IxNetwork	9.00
Licensing	5.10/5.20

Browser Compatibility

The following table lists the supported the HTML browsers. HTML browser versions that are more current than the versions listed in the table may work, but have not been tested at this time. Beta versions of HTML browsers are not supported.

Browser	Recommendation for Windows	Recommendation for MAC
Google Chrome	83.0.4103.97 (64-bit)	83.0.4103.97 (64-bit)
Firefox	77.0.1 (64-bit)	77.0.1 (64-bit)
Microsoft Edge	83.0.478.37	N/A
Safari	Not supported	13.1
Internet Explorer	Not supported	Not supported

Installation

Systems running Windows IxOS (PSOne)

If your system is running Windows IxOS, please follow the steps below to convert to Native IxOS and install the BreakingPoint image to the system.

You can download the conversion guide along with the necessary files from the Ixia support web page.

1. Go to: <https://support.ixiacom.com/> and then log in.
2. Select **Software Downloads > IxOS > 9.0**.
3. For question #1, select **PS One**.
4. For question #2, select **Windows** for Base software.
5. For question #3, select the **Yes** radio button to get to the conversion guide.
6. Follow the instruction from the *Converting XGS and PSOne to NativeIxOS Guide* (PDF).
7. Follow the steps in the [Upgrading IxOS on Native IxOS systems](#) section.

Note: After conversion to Native IxOS there may not be enough available disk space to restore a previously exported backup (especially for files larger than 1GB). If there is not enough space available, you can delete the preconversion BreakingPoint data by using the IxOS CLI command, `uninstall bps legacy` (which frees up 250GB of disk space). Be aware that if you are reverting back to a Windows-based architecture, BPS application (BPS VM) will not start after uninstalling BPS legacy.

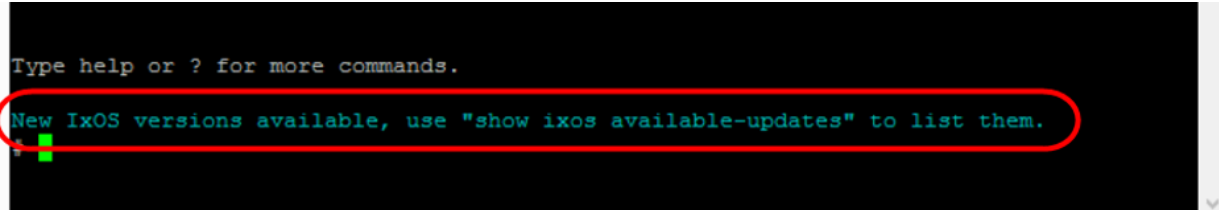
Note: For systems running Native IxOS, we strongly recommend that you create backups of your system before upgrading the BreakingPoint Firmware.

Upgrading IxOS on Native IxOS systems

Online:

1. Access the Ixia Chassis CLI with the following command, `CLI - ssh admin@< chassisIP> -p 22, password: admin`
2. Then apply command **enter Chassis** to access the Chassis CLI.

You will be notified through the CLI when new builds of IxOS (IxOS9.00) are available.



```
Type help or ? for more commands.  
New IxOS versions available, use "show ixos available-updates" to list them.
```


3. Run the `install ixos <version>` command to perform the install. The build will be installed automatically from Ixia IxOS online repository (which is predefined in the OS).

Offline:

1. Download the IxOS build from <https://support.ixiacom.com/ixos-software-downloads-documentation>.
2. Use FTP to put the file on to the Chassis.

```
ftp://<chassisIP>  
user: admin  
password: admin
```

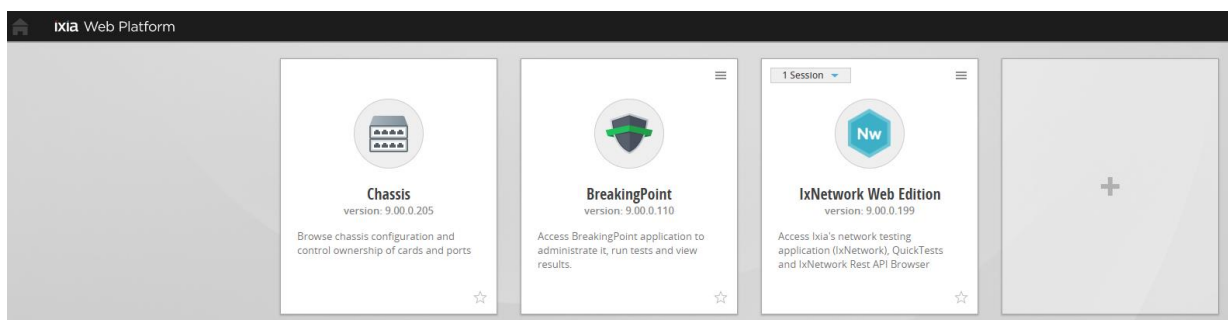
```
Put Ixia_Hardware_Chassis_XX.XX.XX-EA.tar.gz.gpg
```

4. Access the IxOS using the following command, `ssh admin@<chassisIP> -p 22, password: admin`
5. Apply command **enter Chassis** to access the Chassis CLI.
6. Run the `install ixos <version>` command to perform the install of the version that was downloaded.
7. Reboot the chassis.

Install BPS QuickTest

1. After the IxOS installation is complete, connect to Chassis IP as follows:
`https://<Chassis IP>`
2. Log in by using user id: admin, password: admin.

After logging in, the WebPlatform Dashboard will display as shown in the image below.



3. Select the **Install New Applications** icon (+) to install BreakingPoint QuickTest using the BreakingPoint QuickTest installer Package (ixia-web-platform-bpse-9.03.0.2.el7.x86_64.waf). You can download the installer package (ixia-web-platform-bpse-9.03.0.2.el7.x86_64.waf) from the IXIA support download webpage.
4. Select the Installer Package.
5. Select **OK** to start the BreakingPoint QuickTest installation.

Known Issues and Defects

The following section details the known issues and defects of BPS QT Release 1.3. Workarounds are listed for each defect if they are available. If you have any concerns or questions regarding the defects listed here, please contact the BreakingPoint support team at support@ixiacom.com or call them at 1-818-595-2599.

Reference #	Description
BUG1516052	Each Stage that is executed in BPS QT appears as a test result in BPS Classic if both are installed on the same chassis.
BUG1515536	At some video display resolutions, the entire main page of the BPS QT app will not fit on the screen and the scroll element will not be displayed. This will cause some UI components to not be fully accessible (for example the suite carousel controls). Workaround: To work around this issue, zoom out until the components are fully displayed.
BUG1506982	On some overloaded setups, during more intensive tests, it is possible to get a notification that, "The application encountered an internal server error". This does not impact the functionality of the test and can be ignored.
BUG1495617	In the Real Time Statistics graphs, two values are sometimes displayed for the same timestamp and the graph looks skewed. This is only a display issue which does not affect the functionality.
BUG1533084	Some strikes could be displayed as N/A at the end of the test when no iterations are sent. If the iterations are only sent partially, the allowed/blocked decision will be taken based on the iterations that were sent. Side effect: The message, "Application background traffic performance has degraded by at least 20%," will be displayed although there was actually no degradation of the background traffic.
BUG1520200	When installing/uninstalling the QuickTest application, be aware that the IxServer will restart.
BUG1534885	During a Security suite test run, refreshing the UI could be necessary to display all of the pie charts.
BUG1542496	A full detailed report for NSO suite (18hours) is generated in 18 minutes.
BUG1542053	Detailed report graphs may display an erroneous timeline format.