

# SOASTA 55.11 (CloudTest/TouchTest 8023.158)

August 6, 2015

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# SOASTA 55.11 (CloudTest/TouchTest 8023.158)

This release includes the following **feature**:

## **Password Complexity**

This feature will allow you to set password rules, helping secure passwords by increasing their complexity. (For mPulse and other SaaS customers, please contact SOASTA support to create or change password rules.)

For more information, please visit the [Password Complexity help article](#) in our Knowledge Base.

This release also includes several **bug fixes**.

# Features

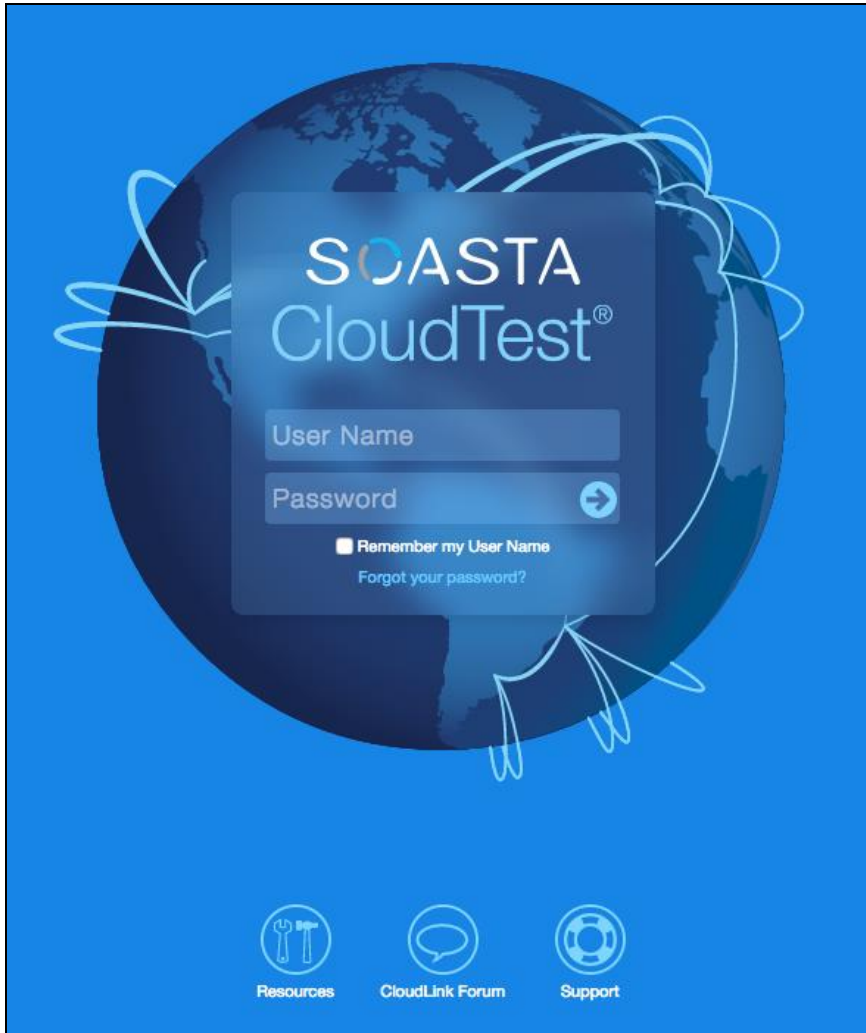
## Updated Platform User Interface

CloudTest and TouchTest users will see some notable User Interface updates in this release, including:

- New SOASTA colors
- New Login page with easy links to Resources, Forums, and Support
- New Localization drop-down for easy language selection
- New Account drop-down to identify the currently logged in user, SOASTA's web site, and the About page for access to product version and update notification, as well as Logout.
- New, streamlined Central tabs now share the main navigation bar with the product logo, Localization drop down, as well as the Account drop down
- New, streamlined Composition Editor tabs now also appear in the

## New Login Page

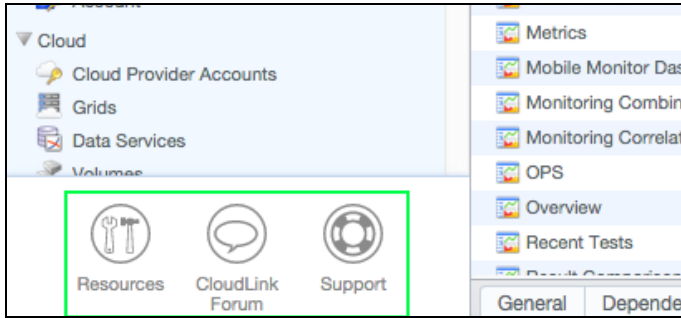
CloudTest and TouchTest users in this release will notice our new look-and-feel as soon as they hit the Login page (shown below), which prominently includes links to a new, streamlined Resources page, to the CloudLink Forum, as well as to SOASTA Support.



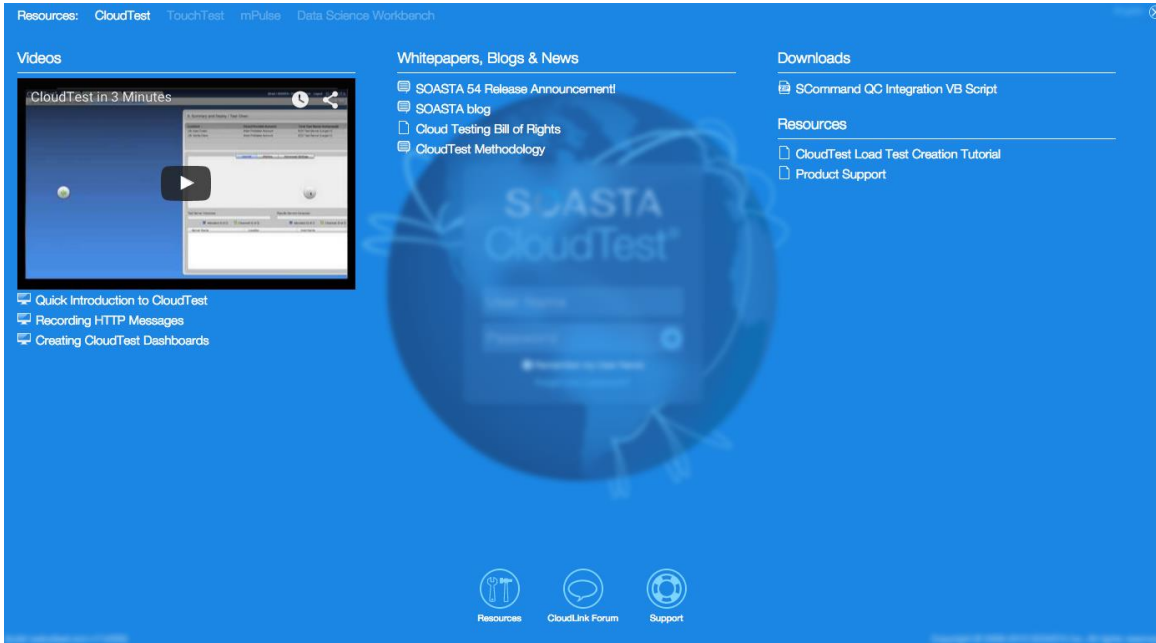
## New Resources page replaces the Welcome page

The Resources page replaces the newly retired Welcome page tab in this release, and is clearly visible from the Login page, which requires no Login for user access.

Additionally, users can access the Resources page from the bottom of the navigation tree after Login (shown below).



Downloads relevant to the current product are now provided on the Resources page with confusing links meant for other SOASTA platform products eliminated.

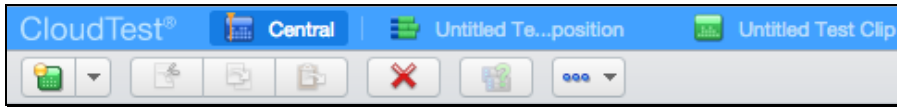


Resource page content includes introductory Videos, helpful Whitepapers, Blogs, and News pertinent to the product.

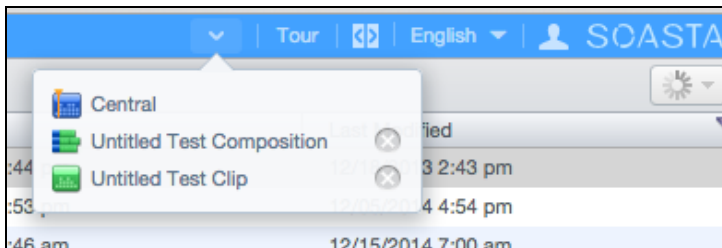
*Other notable User Interface improvements in this release include:*

### **New Central Tabs and Tab Control**

The new Central tabs are contained within the blue breadcrumb bar along the top of the window, where they take up considerably less of your screen's real estate.



The tab redesign includes a new permanently place drop-down for Tab Control

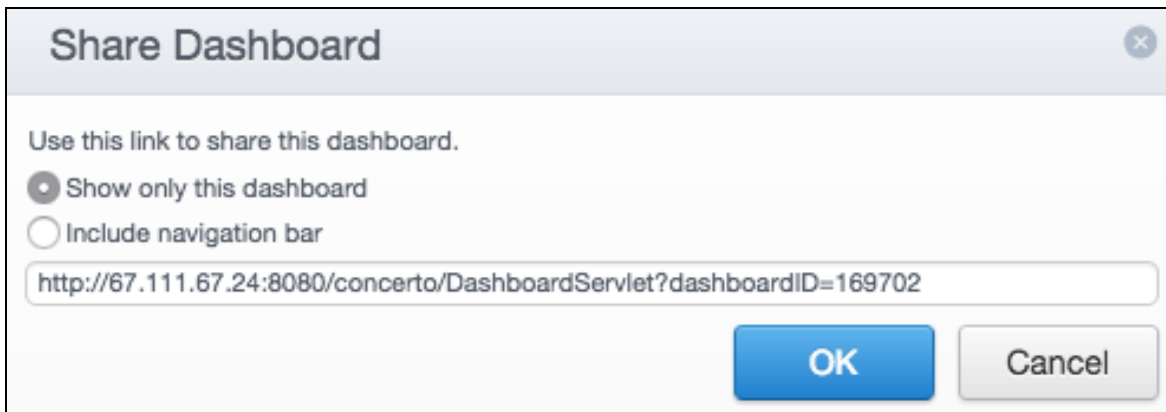


## Share Dashboard URL

SOASTA CloudTest and TouchTest users now have the ability to Share Dashboard URLs with other users, as well as to preserve a permanent link from the current dashboard in display, by clicking the new Share Dashboard icon that appears on all SOASTA dashboard toolbars.



Click this toolbar icon to access the Share Dashboard box.



Users can choose between the following two options:

- *Only this dashboard* will open just the dashboard with no Central bar at the top
- *Include navigation bar* will also include a Central tab

**Note:** If there are results being used in the dashboard, then the result ids for those results will also be included in the permalink.

# Enhancements

## CloudTest

### Configuring default Conductor security settings (93752)

In prior releases the SOASTA Conductor used only the `SSLv3` and `TLSv1` security protocols in order to establish secure website connections using HTTPS. This was true even after support for the additional security protocols, `TLSv1.1` and `TLSv1.2` a given (both were made possible by Java 7 support also introduced in CloudTest 54).

However, support for the `TLSv1.1` and `TLSv1.2` protocols have had some unexpected side effects—some servers that support only `TLSv1.1/TLSv1.2` will reject connection attempts using the older protocols, for security reasons – and in fact, this has caused Conductor connection attempts to be rejected in some cases.

As of CloudTest 55, the Conductor will now *also* use `TLSv1.1` and `TLSv1.2` for secure connections, in addition to the older `SSLv3` and `TLSv1` protocols. In some cases depending on the configuration of the HTTP server's security protocols, connections may be rejected.

In which case, the following steps can be used to override Conductor's OS-specific configuration to use the required security protocols.

### Updating Security Protocol Settings

The following instructions describe how to revert the current `Dhttps.protocols` setting for your Conductor flavor. The examples used here demonstrate how to revert from the current 55 series settings to the prior 54 series settings. Conductor will only attempt connections using one of the protocols listed for .

### Updating Conductor's Protocols on Windows

Add or subtract the desired flags in the configuration for SOASTA Conductor's Java Virtual Machine on Windows.

1. If Conductor is running, close it.
2. Create a Windows shortcut for SOASTA Conductor (if one doesn't exist) by navigating to:  

```
c:/Program Files (x86)/Soasta Conductor
```
3. Right-click "SOASTA Conductor.exe" file, and then select the Send to -> Desktop (create shortcut) command.

4. Right click the created shortcut and then select "Properties."
5. Find the 'Target' field, and add the following text at the end:  
`-J-Dhttps.protocols=SSLv3,TLSv1`
6. Click OK.
7. Double click the shortcut to restart Conductor.

### Updating Conductor's Protocols on Mac OS X

Add or subtract the desired flags in the configuration for SOASTA Conductor's Java Virtual Machine on Mac OS X.

1. If Conductor is running, close it.
2. Right click Conductor.app and choose 'Show Package Contents'
3. Open the file 'Info.plist' within a text editor
4. Replace the line:

```
<string>-Dhttps.protocols=SSLv3,TLSv1,TLSv1.1,TLSv1.2</string>
```

with:

```
<string>-Dhttps.protocols=SSLv3,TLSv1</string>
```

5. Save the file and then Restart Conductor.

### Updating Conductor's Protocols on Linux

Add or subtract the desired flags in the configuration for SOASTA Conductor's Java Virtual Machine on Linux.

1. If Conductor is running, close it.
2. Navigate to the `Conductor/bin` folder.
3. Open the `Conductor` file using a text editor.
4. In the line that starts with:

```
CONDUCTOR_JAVA_OPTS
```

Replace the following:

```
-Dhttps.protocols=SSLv3,TLSv1,TLSv1.1,TLSv1.2
```

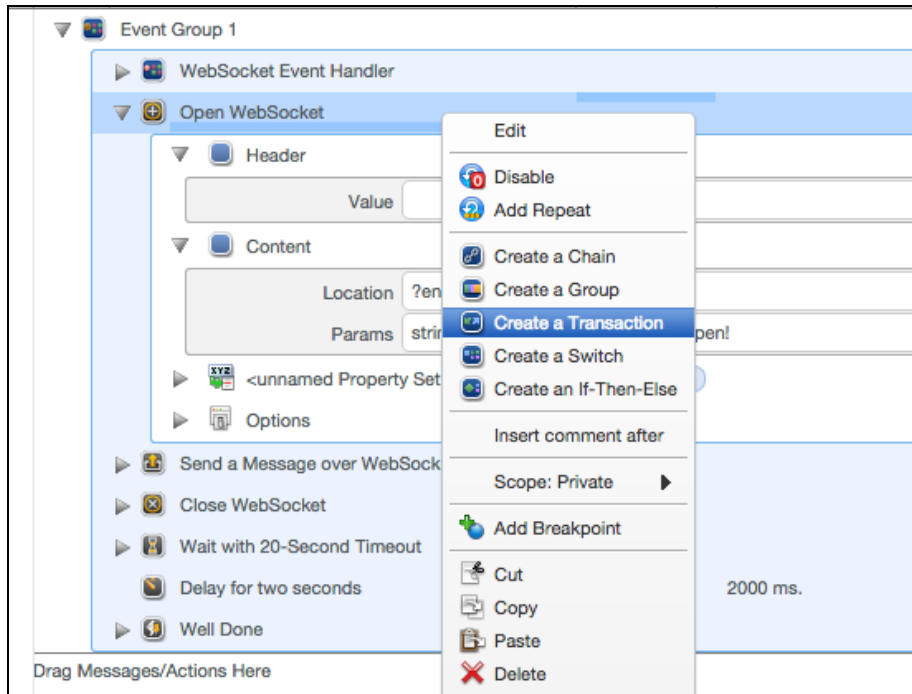
With:

```
-Dhttps.protocols=SSLv3,TLSv1
```

5. Save the file and then Restart Conductor.

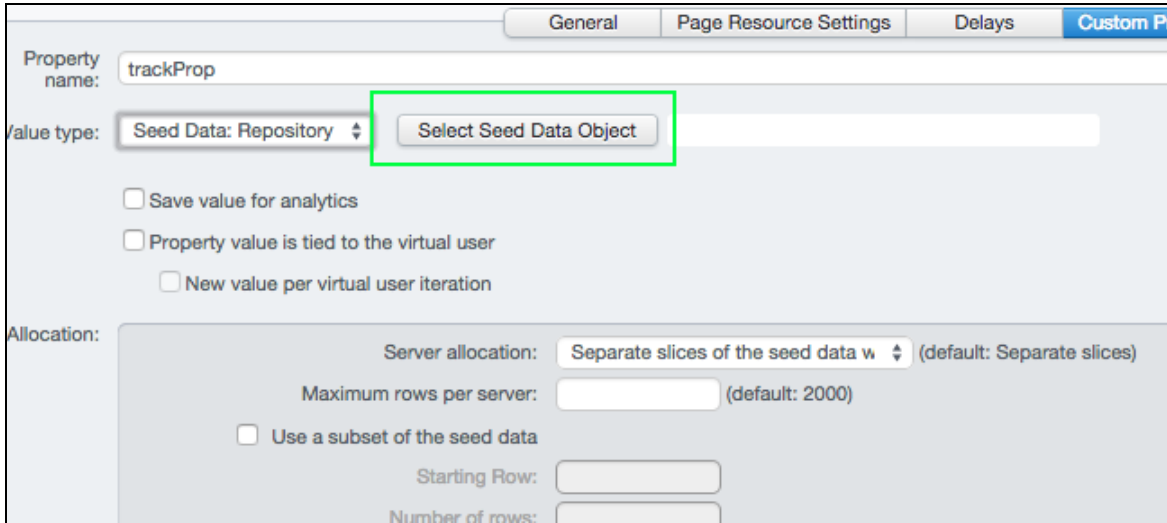
## New "Create a Transaction" right-click option for WebSocket elements (87711)

A new context menu command, Create a Transaction, is now provided for right-clicks on WebSocket elements, including WebSocket Open, WebSocket Close, and WebSocket Send elements.

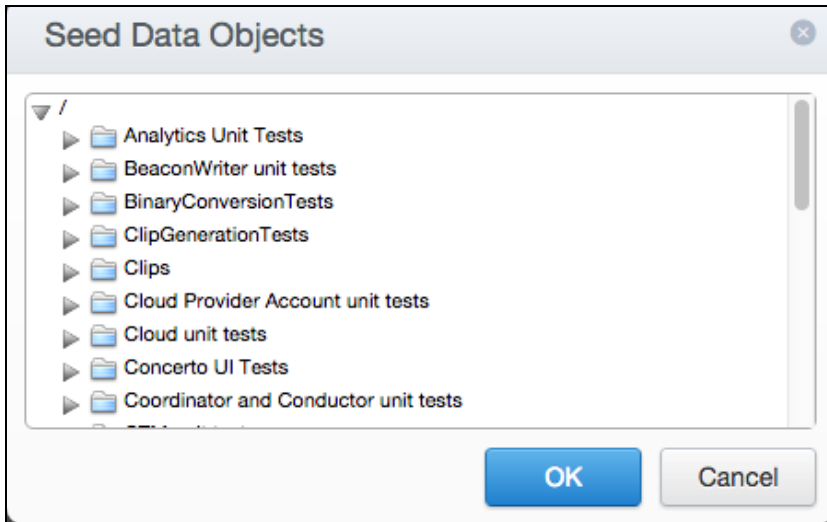


## New Select Seed Data button (84991)

Users defining Custom Properties at the Track level, Clip level, as well as at the Container/Message/Action level will find a new Select Seed Data button that makes it easier to select from among existing Seed Data Objects.



Clicking this button will launch the Seed Data Objects explorer box, which will allow users to more easily distinguish Seed Data Objects by location and name.



## New Users & Groups columns for Created and Last Modified (85542)

The Central > Users & Groups list now supports additional underlying columns for Created (date) and Last Modified.

These new values are visible only when the Users & Groups list is exported in CSV format.

	A	B	C	D	E	F
1	Name	Created	Last Modified	fullName	emailAddress	deactiv
2	SOASTA	2013-10-07T13:44:45.369	2013-10-07T16:44:31.290			FAI
3	admin	2013-10-07T13:44:45.369	2013-10-07T16:20:38.823			FAI
4	ci_ios_1	2013-10-07T17:03:59.485	2013-10-07T17:03:59.485			FAI
5	ci_import_1	2013-10-07T17:04:30.335	2013-10-07T17:04:30.335			FAI
6	ci_ios_2	2013-10-07T17:04:44.789	2013-10-07T17:04:44.789			FAI
7	ci_ios_3	2013-10-07T17:05:03.209	2013-10-07T17:05:03.209			FAI
8	ci_ios_4	2013-10-07T17:05:24.130	2013-10-07T17:05:24.130			FAI
9	msharma	2013-10-07T17:05:45.568	2013-10-07T17:05:45.568			FAI
10	mu	2013-10-07T17:21:39.213	2013-10-07T17:21:39.213			FAI
11	tana@Mobil	2013-10-07T17:21:39.216	2013-12-03T08:57:50.420			FAI
12	guest@Mobi	2013-10-07T17:21:39.221	2013-10-07T17:21:39.221			FAI
13	user-1@Mok	2013-10-07T17:21:39.225	2013-10-07T17:21:39.225			FAI
14	user-2@Mok	2013-10-07T17:21:39.230	2013-10-07T17:21:39.230			FAI
15	user-3@Mok	2013-10-07T17:21:39.234	2013-10-07T17:21:39.234			FAI
16	user-4@Mok	2013-10-07T17:21:39.239	2013-10-07T17:21:39.239			FAI

## Globe: Timely update for Sun, clouds, lighting, & Starfield (82043)

This release includes various improvements to the timely display of the Sun, clouds, lighting, and the Starfield background that users will find to be more responsive during Globe rotation, and particularly so on larger displays.

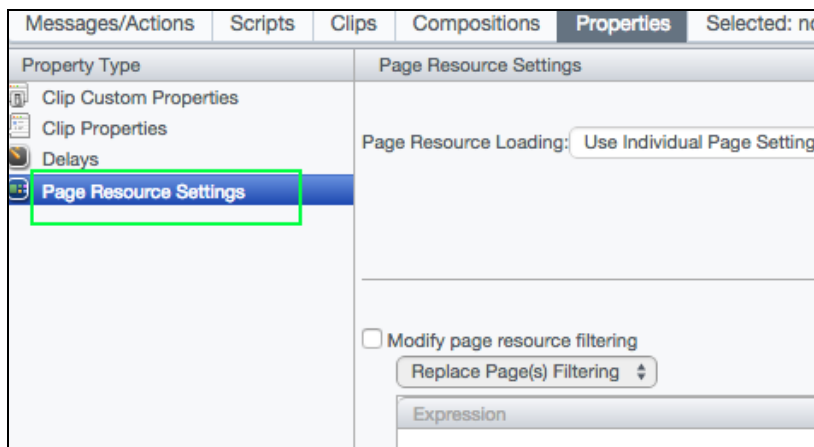
## Globe: Use 8k / 3 hour clouds (82042)

This release also includes improvements to the use of clouds in the Globe widget display.

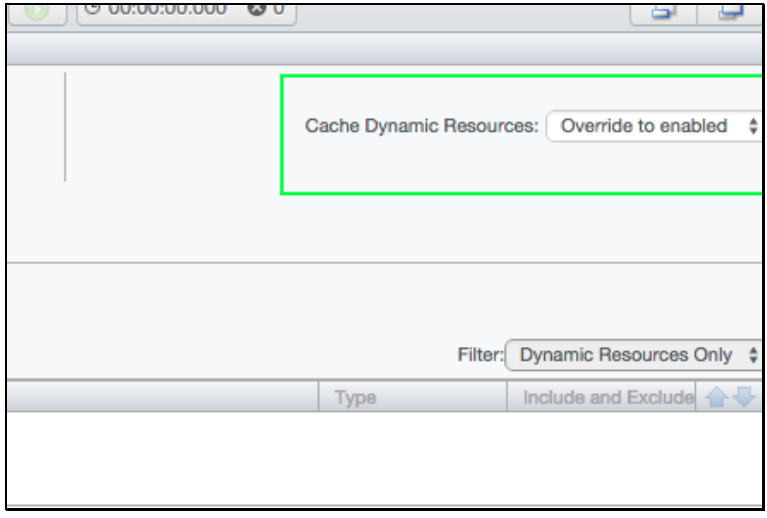
## Have Cache Dynamic Resources Enabled as default (80479)

In all prior releases, the default Clip-wide “Page Resource Settings,” Dynamic Cache override setting was set to *disabled*—meaning that CloudTest did not automatically cache dynamic resources for reuse as most browsers do.

Now, Page Resource Settings are *enabled*, which will better mimic what real browsers do. Users can still disable the caching of dynamic resources and all the usual override logic is the same. The default Composition-level setting trumps all (it's default is to *Use Individual Clip Settings*), while Track overrides Clip, and the Clip setting applies only to the Clip itself and its repeats.



**Note:** Page Resource Settings are found in the Clip Editor lower panel Properties tab and are clip wide. Whenever Page Resource Settings is selected the relevant settings appear on the right (as shown below). For more about this important page setting, see [Cache Dynamic Resources \(Clip, Track, or Composition\)](#).

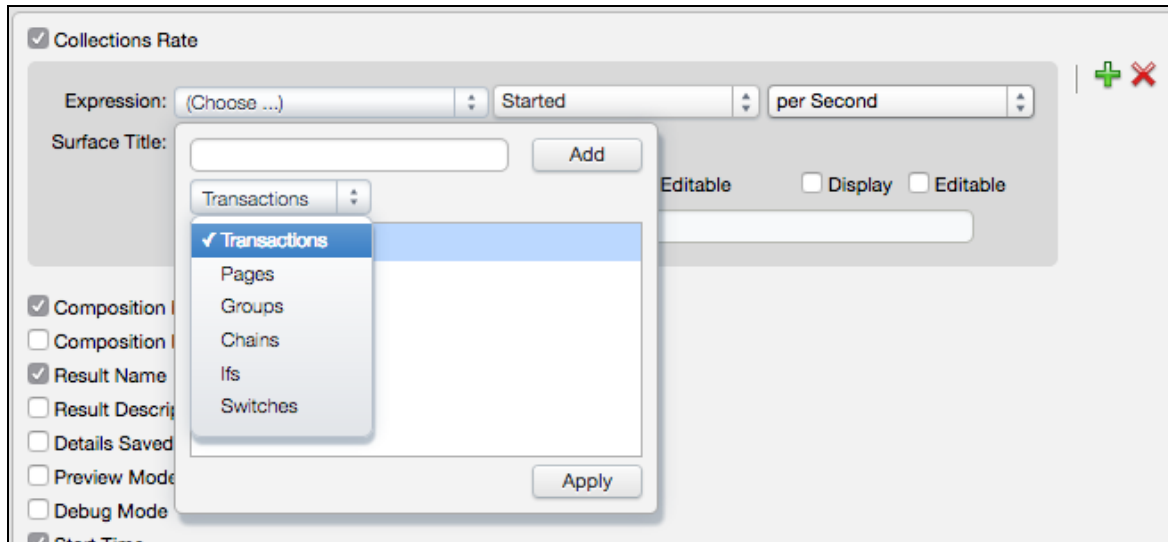


## New Collection Rate Per Second in Fundamentals (77630)

The Fundamentals summary widget now provides an additional ability to track all Collection types **Per Second** via the Collection Rate form.

Previously, the Collection Rate provided rates only for Collections *per minute* and Collections *per hour*.

So, for example, to track Transactions per Second (shown below) simply define an Expression using that collection type and combine it with the new per Second value on the right.



## New Charting Series Limit server setting (50916)

This release introduces a new Series Limit server setting, *ResultsService.Config.Charting.ChartSeriesLimit*. This setting—whose default is set to 100 series—should be changed sparingly, but in some cases can be useful if the maximum number of series displayed has been exceeded.

# TouchTest

## Defining Third-Party Cookie Exceptions for NTTR Remote TestKit (94130)

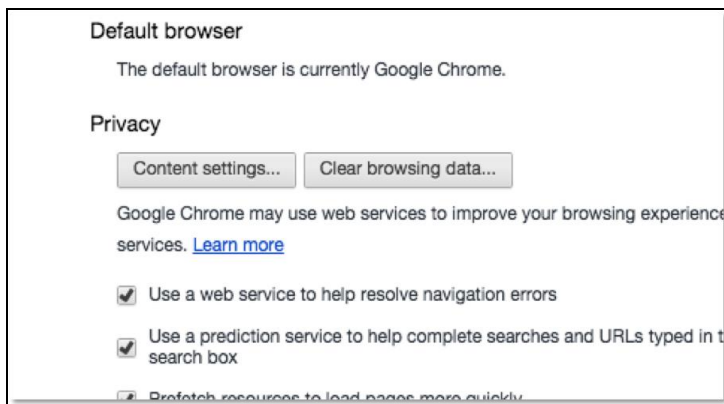
Users whose browser settings blocked third-party cookies were unable to login to TouchTest's embedded integration with NTT Remote TestKit.

TouchTest users must create a browser-specific exclusion for the NTT Remote TestKit using the following per-browser steps.

Refer to [SOASTA Supported Browsers and Resolution](#) for a full list of browsers in use with TouchTest and other SOASTA products.

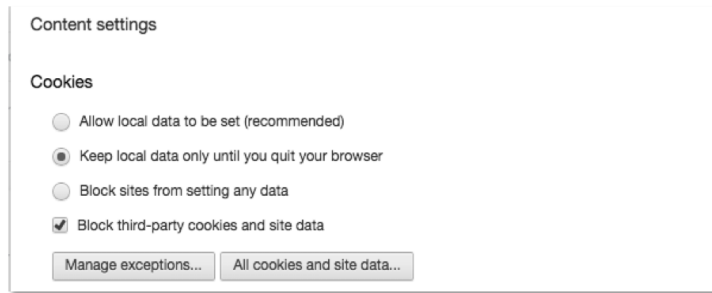
### Allowing Third-Party Cookies in Google Chrome

1. Open Google Chrome's browser Preferences (e.g. File > Preferences).
2. Click Show advanced settings...
3. In the Privacy section, click Content Settings.

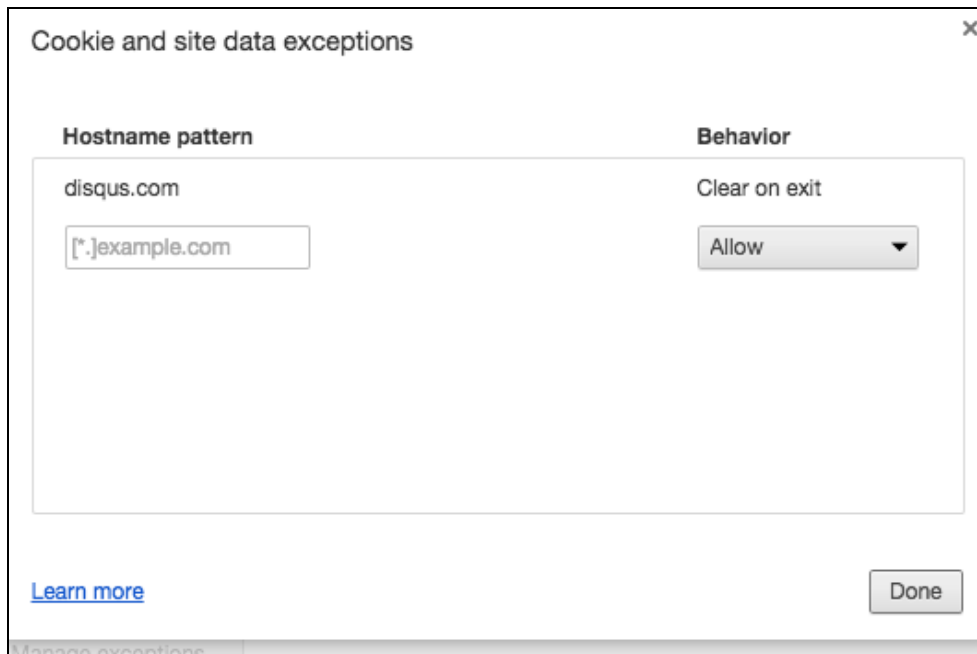


**TIP:** Depending on your browser version, the UI shown as examples here may vary slightly.

4. In the Content settings box, Cookies section, click Manage exceptions...

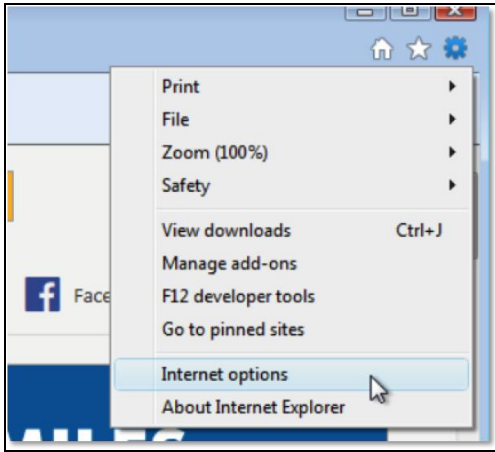


5. In the Hostname pattern field, enter the *domain* of your TouchTest URL, and ensure that Behavior is set to *Allow* the domain.

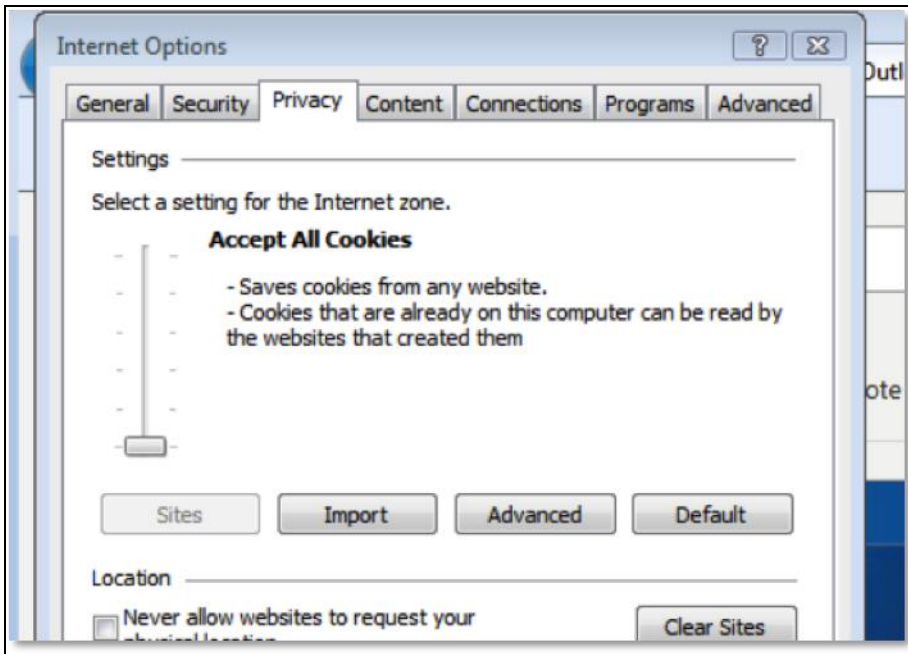


## Allowing Third-Party Cookies in Internet Explorer

1. Click Internet Explorer's Settings icon (e.g. the Gear icon) and choose Internet Options.

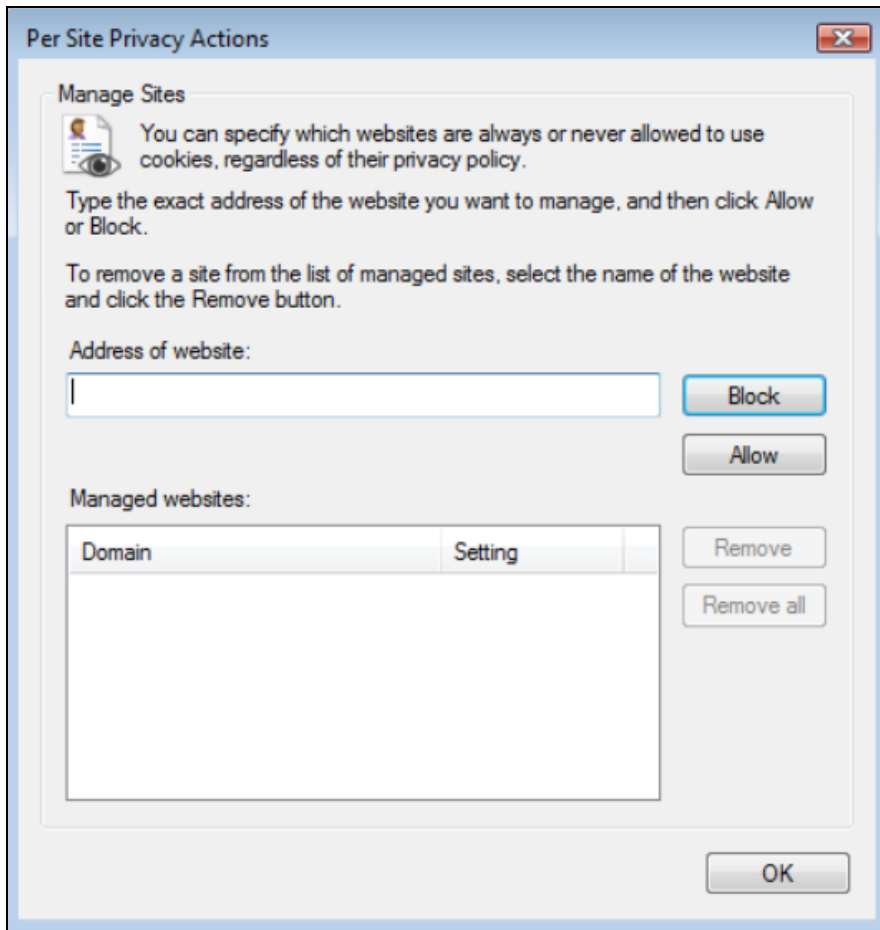


1. In the Internet Options box, click the Privacy tab.
2. In the Privacy tab, Settings section, if *Accept All Cookies* is not the Privacy level, then define an exception by clicking the enabled *Sites* button.



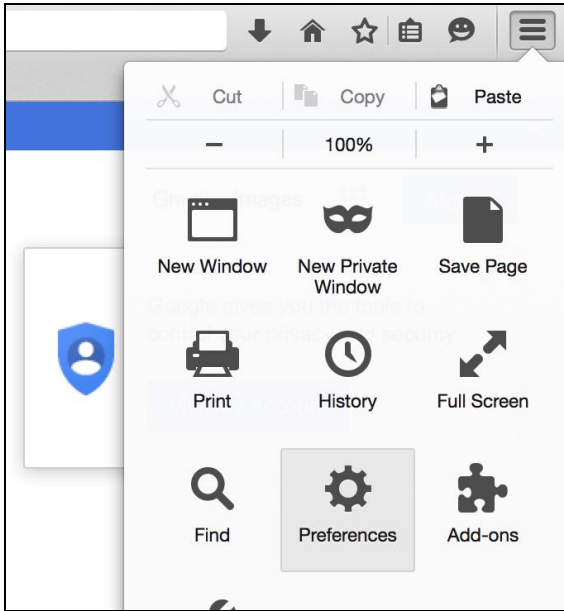
**TIP:** Depending on your browser version, the UI shown as examples here may vary slightly.

3. In the Per Site Privacy Actions box, type the *domain* of the TouchTest URL.

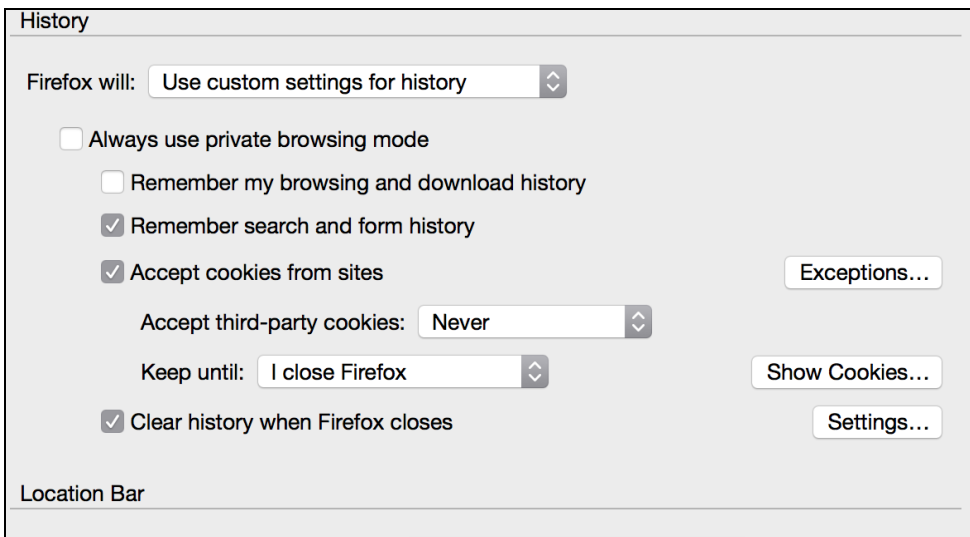


## Allowing Third-Party Cookies in Firefox

1. Click Firefox's Menu button (e.g. the Gear icon) and choose Preferences.

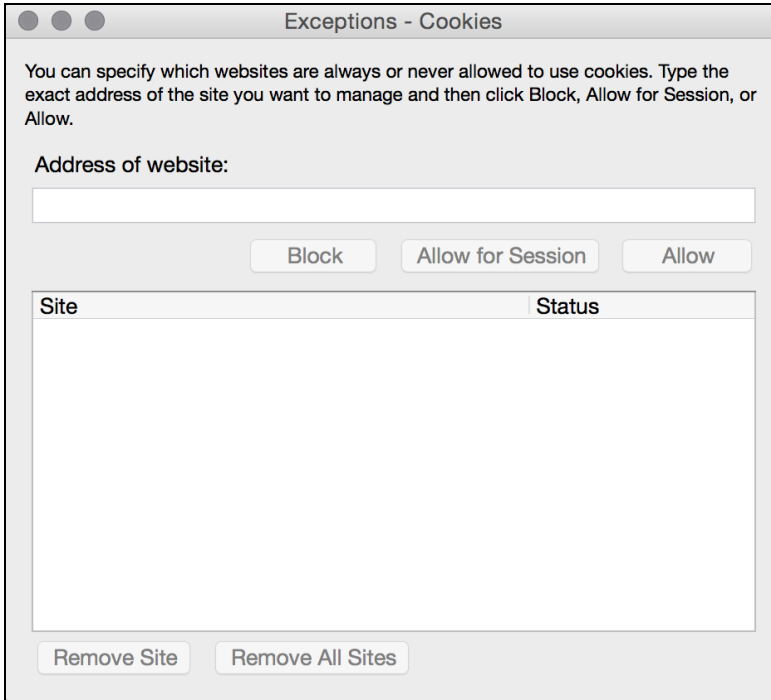


2. Click the Privacy panel.
3. In the Privacy panel, History section, if *third-party cookies* is set to *Never*, then you must define a cookie exception by clicking the Exceptions button.



**TIP:** Depending on your browser version, the UI shown as examples here may vary slightly.

4. In the Exceptions – Cookies box, enter the *domain* of the TouchTest URL to use, and then click Allow.



Exceptions - Cookies

You can specify which websites are always or never allowed to use cookies. Type the exact address of the site you want to manage and then click Block, Allow for Session, or Allow.

Address of website:

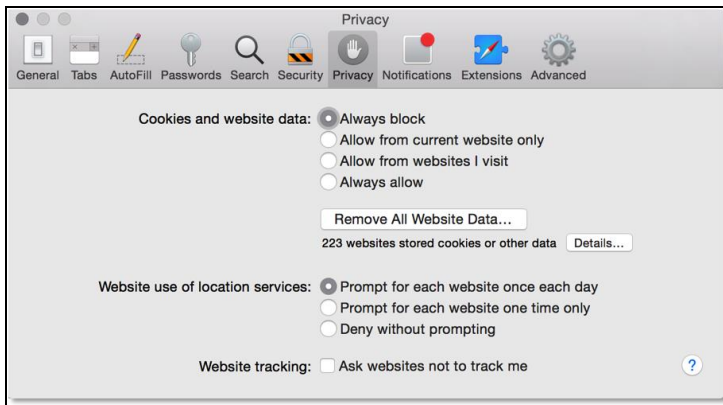
Block Allow for Session Allow

Site	Status
------	--------

Remove Site Remove All Sites

## Allowing Third-Party Cookies in Safari

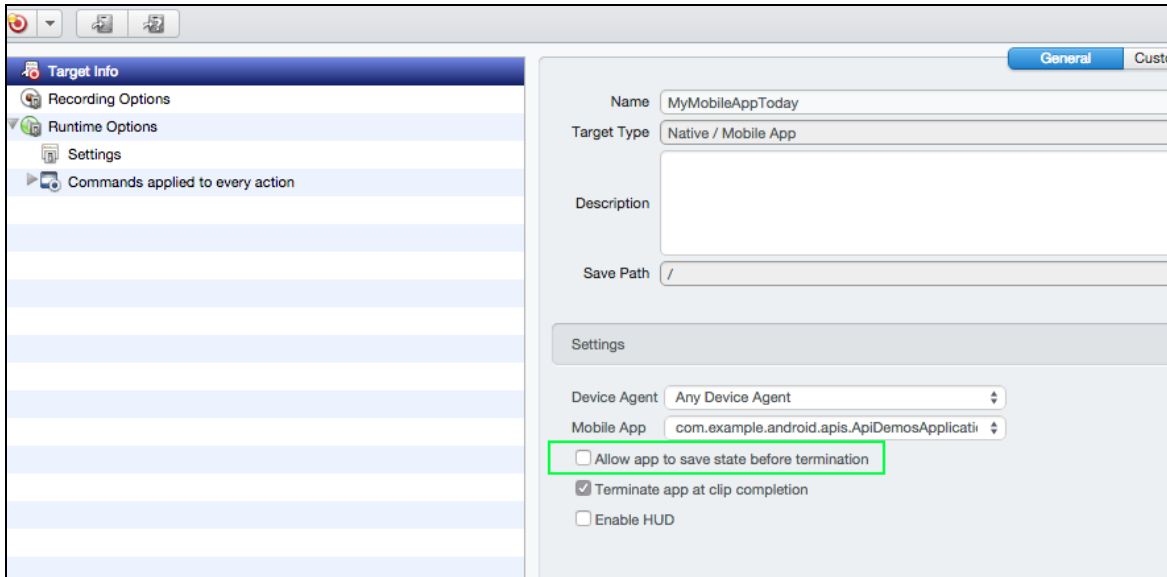
1. Open Safari's browser Preferences (e.g. File > Preferences).
2. Click the Privacy tab.
3. In the Cookies and website data section, ensure that Always Block is **not** set.



**TIP:** Depending on your browser version, the UI shown as examples here may vary slightly.

## New Allow App To Save State before Termination setting in Mobile Targets (91237)

This release introduces a new mobile target setting that permits users to preserve the state in a mobile app before terminating that app (if the app itself permits it).



## Bugs Fixed

### CloudTest

**95853: Composition Overview widget throws an exception when trying to open bottom property panel for it**

The Composition Overview widget functions as designed.

**95748: User with no 'App Admin' permissions can still view and modify user and group settings**

This fix ensures setting configurations occur when a user possess the appropriate permissions.

**95651: Unable to upload/modify client certificate in existing targets**

The ability to upload/modify client certificates in existing targets has been restored.

**95493: Unable to complete Secure Websockets handshake on playback**

This fix ensures the Secure Websockets handshake on playback completes successfully.

**95338: Conductor via SSL is providing a weak ephemeral DH key, Firefox 39+ blocks it**

This fixes the weak key provided by Conductor via SSL.

**95330: Java.exe crash due to fatal exception in msvcrt80.dll**

The issue causing this crash has been resolved.

**95260: CT - Not able to set cookie value using Javascript**

This fix ensures that cookie values can be set using Javascript by changing the domain attribute.

**95130: Clip playback fails due to max Websocket frame size limit**

This fix allows for the configuration of Websocket frame size in the UI (in Server Settings).

**95078: Error loading comp: Unexpected content at the end of chunk**

The issue causing this loading error has been resolved.

**94987: Baseline Comparison dashboard headers are missing in Firefox**

Baseline Comparison dashboard headers appear as expected in Firefox.

**94966: Security Group Check failing on deploy with correct settings**

This corrects a security settings error that appeared when attempting to deploy an environment.

**94826: Overriding EC2 heap size fails with NullPointerException**

Fixes an issue where a log was not initialized.

**94795: Client Side Ping: Errors not reported (Partial Fix)**

In previous releases, network failures during a WebSocket Send would not appear in dashboards. As of this release, they are counted and tracked across all analytics, just like HTTP or HTTPS errors.

**94633: Investigate Rejected / Disconnecting Connections in WebSockets**

This fix ensures the ping sender closes properly.

**94467: When using auto-stop, final result status should be Completed, not Stopped**

This fix ensures the proper Composition status appears when summarized.

**94432: SSL server certificate cannot be verified**

An SSL server certificate was not being verified due to a settings issue.

**94376: Expired Certificates causing CertificateExpiredException on playback**

In SOASTA 55.02, playback of a clip halted if an expired certificate was encountered.

**94350: Upgrade internal appliance always show "Waiting to pause Background processes" for RCs**

This fix removes an inaccurate error message that appeared during build upgrades.

**94380: java.lang.OutOfMemoryError: Java heap space**

The CloudTest server unexpectedly ran out of JVM heap space while idle.

**94119: CSV incorrectly formatted when downloading from widgets with numbers contain commas**

This fixes an issue where CSV files contained formatting errors when downloaded.

**94092: Resources in Jar files without extensions are not loaded**

An attempt to load a resource from a Jar that did not contain a file extension into a Java Custom Module unexpectedly failed. This is now handled.

**94069: Unable to create reports (single/multiple results)**

Report generation was failing because some Firefox 10 requests were being gated by the new UA restrictions. Add a better bypass for report generation.

**94038: Unable to record directly to clip with SOAP calls**

The ability to record directly to a clip with SOAP calls has been restored.

**93983: SSL handshake error during playback**

This fix ensures that the SSL Protocols selected in the UI are respected in the target and that SSL Socket factory actually returns the expected SSL Socket.

**93866: Cookies parsed incorrectly**

CloudTest unexpectedly forked a cookie on a given site into four separate cookies, resulting in this error.

**93238: Error is displayed while loading or playing the composition when large value is saved in track level custom property**

Composition Editor server communication would breakdown when more than 2 MB of data was passed at a time. Now, a multi-part content mechanism will prevent this eventuality.

**93111: Running clip that calls comps cause error  
"getCompositionOverviewTopLevelData java.lang.NullPointerException"**

An exception occurred while running a clip that calls 4 nested compositions if each nested composition loaded the same clip running the same GET.

**93265: Incompatible Version on Azure servers just after bringing up the grid**

A grid with mixed Azure builds unexpectedly failed

**92921: Monitor Custom Command, Arguments field size is too small**

The Monitor Definition Wizard, Custom Command, Argument column now supports longer arguments. Users can still refer to external shell scripts as in prior releases to improve readability.

**92508: Proxy authentication change cause CT to show grey screen**

If the underlying proxy settings for a network on which a CloudTest appliance was running, then CloudTest login dialog provided no chance to re-enter proxy settings.

Now, if a user has their proxy settings (the address, or the credentials) changed, CloudTest will log them out, and proxy setting fields will appear.

**92464: When Dragging WebSocket Event Handlers around the clip editor complains and things just disappear**

Using drag-and-drop to drag WebSocket Event Handlers in the Clip Editor would result in quirky behavior, and in some cases the handler object would disappear.

**92452: Saving a WebSocket Extraction on a “WebSocket Event Handler” fails**

Saving a WebSocket extraction from the Clip Editor lower panel would unexpectedly fail.

**92413: Undefined Key: MessageClipEditor.HTTPMessagesFiltered - error in message when filtering during CT clip recording**

Fixes an issue where an undefined key triggered an error message during clip recordings.

**92355: Error when opening Monitor View Analytics and other areas**

This error could occur in some cases when opening the View Analytics link shown in the Central > Monitors list or while attempting to click the Composition Editor's Status Indicator.

**92201: Null error when no available Repository is found in the Server List**

When there is no repository service found in the server list (because the caller is not in the same location as the repository) then the Results Service would produce this error. Now, a more user-friendly exception will alert the user of an invalid environment configuration.

**91850: Unable to Combine Maximum Collection Duration and Virtual Users Widgets**

Two time-based charts with complementary attributes couldn't be combined as expected.

**91795: Issues with doing "Save As" on Targets with Authentication**

Targets containing authentication information were unexpectedly not saved while using Save As.

**91483: Importing a CloudTest Report Template Doc / With Overwrite does not work correctly**

This fix updates the underlying routine for importing Word documents.

**91166: Request Input and Output is empty for a POST Request and the call fails**

A server unexpectedly responded to a POST request with an invalid response after HttpClient rejected its protocol version and its response code because it had bad data in it.

**90379: Cannot read property '0' of undefined; JS line 1157**

This likely timing error occurred in CloudTest Central.

### **90346: Selecting Message from Draft Composition Redirects to Actual Page and Exits CT**

When executing a draft composition for a clip, selecting a message that was played back when the response page loaded would then cause the browser to be redirected to the actual page and to exist CloudTest entirely.

### **89877: No Chinese and Japanese text for stats and messages from Maestro**

The WebSocket statistical text generated by Maestro was always in English in the prior release but is now localized.

### **89852: java.lang.NullPointerException while importing a Report Template**

This import error would occur if invalid custom input text was specified on the Report Template. This is now handled

### **89733: Cannot access results saved on main after separate RSDB set as default**

After setting up a separate default Results Service Database (RSDB), the results saved on the Main were visible in Central, but would subsequently fail to open.

### **89566: "ResultsService Service call to a server with no Results Service."**

This error occurred while playing a composition from the Jenkins plugin. The ultimate issue here was that the Repository Service binding as constructed within sCommand pointed to the Main and that was invalid. Now, the binding is determined in the underlying code.

### **89105: Status code may not be negative**

This Clip generation error occurred on CloudTest Lite during recording to clip conversion.

### **89027: Exception: The OpenStack API request failed (500 Internal Server Error)**

An HP OpenStack system error wasn't properly handled by CloudTest, which resulted in an unfriendly error message that should not be seen by the end user. Now, the HP error will get logged as expected.

### **88411: Upgrade to 54 failed on Appliances**

Install issues found in 54 version releases on Appliances have now been fully resolved in 55 releases (in addition to an earlier short-term fix introduced within 54 itself).

### **88126: TypeError: frameElement is null; JS line 2412**

Additional null checking code has been added to detect further occurrences of this error.

### **87804: java.lang.NullPointerException at com.soasta.web.concerto.CompositionEditor.getCompositionForRequest**

This null error occurred in the Composition Editor while executing a test on Amazon EC2.

**87578: undefined is not a function; JS line 9705**

This script error occurred in Central and/or Composition Editor error.

**87556: java.lang.NullPointerException:com.soasta.tools**

This null error occurred while doing CloudTest recording.

**87506: Database 2 does not have a running results service**

A Results Service client fault occurred. Now, this exception is caught and a user-friendly error message appears.

**87451: undefined is not a function; JS line 468**

This Composition Editor error occurred in Chrome only.

**87106: Exception: Database 2 does not have a running results service**

The error seems to be due to a mucked server list but this has occurred several times. Now, the Server List will be recalculated when this state occurs.

**86587: com.soasta.common.resultsservice.ResultsServiceFault: Exception: Invalid nodeContainer 1::2:0:3:: should be: 1::2:1:3:: at com.s**

This error was seen while navigating the Result Details dashboard tree.

**86472: Error message for "VUs exceeded license max" should clearly indicate it's a license problem**

The Virtual Users exceeded license maximum" error message has been clarified for this release to clearly indicate the problem.

**86436: null is not an object (evaluating 'bean.errorMessage')**

This null error occurred in the Result Details dashboard.

**86410: Cannot read property 'innerHTML' of undefined; JS line 2036**

This error occurred in the Composition Editor.

**86308: Exception: ERROR: relation "eventfact232" does not exist**

This error occurred due to a missing event fact that resulted from a deleted result.

**86220: Cannot read property 'offsetWidth' of null; JS line 26**

This error occurred while trying to determine the size of a scroller container element that didn't exist. This is now handled.

**86321: Uncaught ReferenceError: dojo is not defined; JS line 3315**

This error occurred in CloudTest Central.

**85600: The XML body of this repository object does not match the expected schema: cvc-enumeration-valid: Value 'CUSTOM' is not facet-va**

This binary conversion error happened while doing HTTP recording.

**85747: com.soasta.common.resultsservice.ResultsServiceFault: Exception: ERROR: relation "containerdimension4531" does not exist**

This Results Service error occurred when an underlying layer failed to throw a user-friendly error indicating that a result no longer existed.

**85263: sCommand returns the security token is invalid when running comp for more than 5 hours**

When running a composition whose play time was longer than 5 hours, the sCommand Utility was unable to return the result as expected because the user security token was by then invalid. Now, sCommand will issue a keep-alive token to prevent invalidation of a token that is in use.

**85027: A result with ID '34' does not exist in the Results Server database. - Dashboard Servlet**

This error occurred in a CloudTest dashboard, likely due to a deleted result.

**84853: Select from Composition builds out Grid for Composition using the wrong server classes**

In the prior release during Grid creation, server classes would default to Amazon EC2 classes, thus causing users of other providers additional work. Now, the ability to launch the grid as is for the given selection(s) is presumed.

**84772: Handle widget types being removed while creating a widget**

This null error would occur if the user created a user defined widget, then subsequently deleted the widget from the list in a second tab. Once deleted, dragging the widget into the dashboard from the first list would result in this error.

**84757: Cannot read property 'soastaChart' of undefined**

This dashboard loading error occurred when a chart that was undefined couldn't be drawn as a result. Now, all required objects are verified as present before proceeding.

**84156: Result Details error**

A lower level routine in the Results Details widget was throwing an exception if the result was deleted.

**83228: "Exception: Empty key" when trying to use Azure account with null access key**

This error occurred when trying to use an Azure account with null access key

**83166: Uncaught TypeError: Cannot read property 'select' of undefined; JS line 943**

The user was unable to save certification file after an HTTP target's name was changed.

**86087: The value for the checkbox for "failed clips" was getting mucked before it was passed to the servlet**

The Clip Analysis widget didn't allow exclusion of failed transactions as expected.

**84719: No Maestro Service is defined on Main at Amazon EC2 US West (Oregon)**

This error happened if a dynamic ramp request was made but a Maestro service was not defined for some reason. It was reproducible by starting a composition, then turning off the Maestro service before then trying to make a dynamic ramp change. Now, a proper error alerts the user of the missing service and no local maestro service when making ramp requests.

**84416: Some Azure Cloud Services are not deleted when servers get deleted**

CloudTest now ensures that Azure Cloud Resources are deleted during normal grid deployment, and in the event that Azure VM provisioning process fails.

**84120: Dimension Data client not correctly handling invalid credentials**

Now when creating a new Cloud Provider Account, CloudTest will validate the user entered credentials and warn them if they are invalid. If the CPA already existed and is invalid, the user will now see an Invalid Credentials warning in the Grid Log.

**83477: 'undefined' is not a function (evaluating 'this.grid.enableUndoRedo()')**

This timing error occurred in the Grid Manager.

**83108: Null error while verifying Clip references**

This processing error occurred when a null item was passed to a reference method. Now, this is checked before it is used.

**83086: Creating a Grid from Composition should allow resizable table header so we can see the names**

Table headers in the Grid Manager are now resizable.

**82265: java.lang.NullPointerException at com.soasta.web.concerto.ueberdialog.component**

This issue likely arose from underlying null If-Then container objects. Now, a new series of checks are in place to prevent this error.

**81389: Message in composition is too vague when there is a permission issue**

This fix changes the read, write, and use exceptions so that now the object's name is included if the object is a named item, otherwise the object's ID is now included.

**80646: FunctionActionEditor.doSave : The XML document is not well-formed**

Variations of this Clip Editor lower panel Editor error occurred while working within both message and app action test clips.

**80615: css is null; JS line 445**

This null error occurred in a CloudTest dashboard.

**80385: nodups - Uncaught TypeError: Cannot read property 'id' of null; JS line 1505**

This error occurred in the Clip Editor lower panel, Message Editor.

**80365: java.lang.NullPointerException at com.soasta.web.concerto.ueberdialog.UeberDialog.init**

This null error occurred in the Composition Editor.

**80209: Result View doesn't match up with Clip View**

For Script objects, the unique name will now be determined just as it is for other clip elements – by name, collection path within the clip, clip repository name, and repository path. However, since Scripts can have local names and that local name will be use in cases where the same script is included within the same parent.

**80044: Null error while saving a Seed Data database object**

This error occurred while trying to save a database seed data after the draft had been deleted.

**79924: A Soap fault has occurred. faultString: The object type 'resultsservicestatusserver' is not recognized**

This error occurred in CloudTest Lite Central.

**79342: ResultsServiceClientFault: Location CSTC\_Beijing does not contain a results service**

This error would occur in cases where the Main was in a different location than one or more of the Results Server(s) and if a specific Results Server had no external URL by which it can be contacted.

**78845: Current user/tenant does not have permission to read**

You can reproduce this by loading a Central list as user A, then in another window logged in as a super user remove all permissions for a certain object in that list for user A, then switch back to the other window and try to open the same object as user A.

**78354: For input string: ""**

This error occurred in a CloudTest dashboard error.

### **78190: Target Editor does not handle invalid keystore files**

An error occurred in the Target Editor if a keystore file used for authentication was invalid.

### **77830: Message name exceeds maximum of 255 characters**

An issue arose when a message name at the UI level, which was derived from a number of nested ISSEs, exceeded the Repository's maximum allowed characters (e.g. the UI name was not truncated as expected). Now, the UI will check the name length before submitting it to the Repository.

### **76501: 'undefined' is not an object (evaluating 'a.split')**

This null error occurred in a CloudTest dashboard.

### **73836: Cookie domain matching does not handle leading dots**

This change makes our Cookie Session treat domains that are only different in whether or not they have a leading '.' as the same, to avoid duplicate cookies.

### **72535: 'undefined' is not a function (evaluating 'clearInterval(this.interval)')**

This dashboard error was found platform-wide. New pollution check measures were enacted to resolve it.

### **69899: Exception: java.lang.StackOverflowError**

The issue causing this error has been resolved.

### **67282: Moving targets between folders in Central changes the icon**

Relocating a target to a new Central > Library folder unexpectedly changed its type icon.

### **65977: Property Analytics not working**

Property aggregates were not getting their property value dimension translated, which could cause problems in larger load tests.

### **63202: Results database was already loaded**

A user-unfriendly message was displayed to an end user. The message will no longer appear.

### **62555: Reserved IP Address not set to "In-Use" while in use by an Environment or RSDB**

The flag to indicate that a Reserved IP Address is in use will now perform as expected.

**61924: The XML document is not well-formed**

The format of the XML document has been updated.

**57158: Composition Builder tree should not allow multi-select**

The Composition Editor's lower panel Composition Builder unexpectedly permitted multi-select. 53722: Session Template Package Wizard (STPW) drops its right boundary when you paste into it

The STPW drops the right boundary when you paste it in to the STPW window.

**50281: Targets missing from conversion wizard when filter applied**

Applying a filter to a message recording revealed a dramatic difference in the number of messages, which subsequent conversion revealed was not as expected—targets were being dropped by the wizard.

**46311: Script Editor left margin widens after scrolling past 100th line**

The Script Editor left margin would dramatically increase if the script in it exceeded 100 lines. This is now handled.

**43817: Exception: java.lang.NullPointerException in ResultsViewer**

Timing issues occurred while getting a container dimension.

**37647: "Use columns:" error in Seed Data at the Track Level in a composition**

Selecting "First" for a Track, was not persisted as expected, but rather "All [Tracks]" would be selected when the user returned to the Data selection UI in the Composition Editor.

**6944: Can't set "Error handling" settings for Scripts or Chains**

The "error handling" settings in clips were not functioning properly.

## TouchTest

### **95308: Top WebView does not scroll** [[requires new TouchTestDriver](#)]

Top WebView scrolls as designed.

### **94928: Clip recorded for a hybrid app never plays back for some of the elements.**

This issue was fixed by making the selectUIWebView action more reliable, thus allowing hybrid app recordings to play back as expected.

### **93876: TouchTest Lite: New users keep logging out when they try to login after setting up their account in Chrome**

After TouchTest Lite users in Google Chrome entered credentials to login via the email registration process, they would be immediately logged out due to an unexpected authorization cookies error.

### **93738: WebView is not recognized on the page** [[requires new TouchTestDriver](#)]

WebView is now recognized on the page, as expected.

### **93629: outputElementColor returns blank**

This fix resolves an issue where outputElementColor returned a blank output.

### **92885: MakeAppTouchTestable: Ability to specify Binary Executable name as an input argument** [[requires new TouchTestDriver](#)]

As of this release, the MATT utility will accept the app name specified rather than the name indicated by the project's CDBundleExecutable setting in order to accommodate projects that have targets performing different functions.

### **91246: Touch test and dialogs with UIDocumentMenuViewController** [[requires new TouchTestDriver](#)]

This fix adds support for `UIDocumentMenuViewController` in iOS 8 and above. This support includes ONLY those titles added by the developer (i.e. the options you can choose in the menu, not iCloud)

### **91237: Android\_Default screen does not open when we run clips individually** [[requires new TouchTestDriver](#)]

This fix improves cleanup when we terminate an Android application.

### **90551: SSL Error on site for Android devices**

This SSL error occurred while connecting to a TouchTest Agent URL. This fix adds a log statement to describe SSL Errors in more detail.

**86359: Cannot read property 'replace' of undefined**

This error occurred in the Composition Editor during replay of a TouchTest.

**83407: Cannot delete a Device Agent whose status is: CONNECTED**

This error occurred while trying to delete an active Device Agent (e.g. one that was connected at the time). This is now handled with a user-friendly error message.

**88587: java.lang.NullPointerException**

This dashboard error occurred during runtime of a mobile test composition.

**86458: Particular locator does not work on Samsung Galaxy S3 version 4.3**

The Touch Locator was unable to parse a specific locator on this device and model while running Android 4.3.

**84960: TypeError: \$.widget is not a function; JS line 2:**

This dashboard error occurred during runtime of a mobile test composition and includes better jQuery instantiation.

**81884: da1 is not defined; JS line 1192**

This error occurred while working on a WSDL target in the Target Editor on TouchTest Lite.