

Release Date: 09 December 2014

Release Summary

For this release of our S2S Simulator (RSS), we discovered that the RSS scripts were not properly handling an error being returned from the other end-point in the S2S conversation, and found a response that was not being correctly processed in the S2S 1.6 Edge script. These shortcomings have been corrected.

We hope you enjoy this new release. If you have any ideas for improvement that we may have missed, just let us know at support@radblue.com.

The following sections provide details of each of the significant modifications and improvements.

Engine Modifications

- **RSS Scripts were not properly handling errors being returned from the other end-point** – It was discovered that if the RSS sends a command to another S2S endpoint, and that endpoint returns an MS error in the s2sAck, odd things would then happen in the RSS, ending with the script dying. This has been resolved in Release 44.
- **S2S 1.6 script was not properly handling an meterInfoAck** – The S2S 1.6 Edge Script was dying when an `accountingMeter.meterInfoAck` response arrived from the central system. This shortcoming has been corrected.

Release Summary

In this release of our S2S Simulator (RSS), we added core support for S2S version 1.6, along with some new messages from the recently updated `informedPlayer` class. We also discovered that the S2S transcript was not being included in the `debug.zip` files, so that shortcoming has been corrected.

Installer Modifications

- **All tools have been updated to use Java 1.7.0_65** – To keep up with the latest security (and other) improvements, all tools have been updated to Java 1.7.0_65. When installing this release, the installer will download Java as part of the installation. If you are installing multiple tools on your computer, this Java upgrade is only done once.

Engine Modifications

- **Edge System Script Startup – now sends a `commsOnlineEx`**– In S2S 1.6, the `commsOnline` command has been deprecated, and was replaced by the `commsOnlineEx` request. When starting up the **S2S 1.6.0 Edge System** script, the RSS now automatically sends a `commsOnlineEx` request to the host, expecting a `commsOnlineAck` in response.
- **S2S Transcript was not written to disk** – The S2S transcript is now written to an `.s2t` (`s2s` transcript) file in the logs directory. This file is then automatically included when a `debug.zip` file is created, and will be automatically opened by the RAS (RadBlue Analysis Suite) when an RSS `debug.zip` file is loaded. With this improvement, we can see exactly what was going on in your world if an S2S problem occurs and you need our help in figuring out what is going on.

User Interface Modifications

- **Selecting S2S 1.6 functionality** – In the `.rss\scripts\s2s` directory, we've added a new sub-directory for version 1.6.0. To load the new version, press **Select Script**, then navigate to the appropriate S2S 1.6.0 directory and select the appropriate script. If your installed version of RSS loads 1.4.2 by default, just go up a directory or two, and then back down the 1.6.0 tree.
 - The Edge System's script is in the `\edge-system` directory (**S2S-1.6.0-Edge-System-Full.xslt**)
 - The Central Server's script is in the `\host` directory (**S2S-1.6.0-Host-Full.xslt**)
- **Edge System Script Startup – System Info Id** has been added to the **Edge System** script startup screen. The value in this field is included in the `systemInfoId` attribute of the `commsOnlineEx` command sent when the script is started.

S2S Engine Improvements [S2S 1.6 implementation]

In addition to the base structure of S2S 1.6, the following commands were identified were implemented in the RSS as per the following table:

- In the Comment section, “Form based” indicates that the command contains only minimal attributes so they can be entered via the RSS User Interface.
- When the comment indicates “XML request” or “XML response”, this means that the command is sent using an XML file that you select. A sample of each is included, but you can specify which file to send at run-time, so you can easily have multiple instances of the command to send via the tool. This method permits you to tune the S2S Simulator so it sends commands that are relevant for your application (plus the XML files are much easier to maintain). These files can be found in the `..\RSS\rss-data` directory.

Updated Communications Commands (Can be initiated by either end-point)

<u>Originator</u>	<u>Request</u>	<u>Response</u>	<u>Comment</u>
Either Endpoint	commsOnLineEx	commsOnLineAck	Edge Server must automatically send commsOnLineEx when starting script
Either Endpoint	commsClosing	commsClosingAck	Carried forward from prior versions
Either Endpoint	commsOffline	commsOfflineAck	Carried forward from prior versions
Either Endpoint	commsReset	commsResetAck	Form based request; auto response
Either Endpoint	commsError		Carried forward from prior versions
Either Endpoint	keepAlive	keepAliveAck	Carried forward from prior versions
Either Endpoint	getSystemInfo	systemInfoList	Form based request; XML response

Client Events (new class)

<u>Originator</u>	<u>Request</u>	<u>Response</u>	<u>Comment</u>
Central	setEventSub	setEventAck	XML request; auto response
Central	clearEventSub	clearEvenAck	Form request; auto response
Central	getEventSubs	eventSubList	Form request; XML response
Edge	eventUpdate	eventAck	Form request; XML response

Informed Player (Commands that were implemented in this version of RSS.)

<u>Originator</u>	<u>Request</u>	<u>Response</u>	<u>Comment</u>
Edge	getIpKeyPair	ipKeyPair	Form request; XML response
Edge	playerIpCardIn	playerIpCardInAck	XML request; XML response
Edge	playerIpCardOut	playerIpCardOutAck	XML request; XML response
Edge	validateIpCard	validateIpCardAck	XML request; XML response
Central	propertyIpConfigUpdate	propertyIpConfigAck	XML request; auto response

Release Summary

In this release, we added several usability improvements to the transcript control, have improved the GSA Message Validator (making it more useful for S2S messages), improved the SCEP functionality in the security engine, and have improved error reporting when an invalid license is used.

We hope you enjoy this new release. If you have any ideas for improvement that we may have missed, just let us know at support@radblue.com.

The following sections provide details on each of the significant modifications and improvements.

Installer Modifications

- **More Complete Error Reporting** – If the MAC address in the license file from RadBlue is not found in the PC, the resulting error message now displays a list of the MAC addresses that are seen by the installer for speedy solutions to installation problems.
- **All tools have been updated to use Java 1.7.0_51** – in an effort to stay current, all tools are being updated to a new version of Java. Java 8 is almost ready for prime-time, so we'll probably move to that new major version in the next release of our products.

Transport and Security Modifications

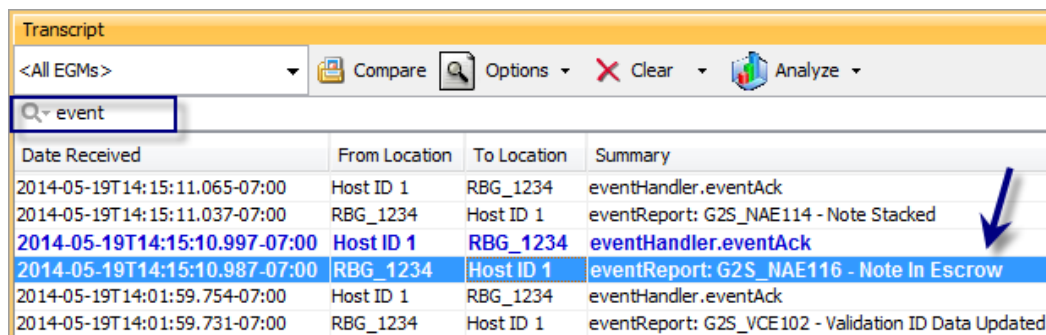
- **Proper handling of SCEP certificate chains** – The RadBlue SCEP client was not properly handling a certificate chain from an SCEP server. The tool was properly storing the first certificate, but then overwrote that certificate with the second certificate in the chain. Resolution - we now verify that the expected distinguished name matches the certificate before we store the certificate. (This is a common security routine used in all products).
- **Import/export self-signed certificates** – When the self-signed certificate option in the tool is used to create a signed certificate, that certificate has to be shared with other end-points so they trust the connection. New export and import options have been added to the Key Store tab in all tools so you can easily export a certificate from, and import a certificate into the tool's keystore file.

User Interface Modifications

- **GSA Message Validator Improvements** – The GSA Message Validator (**Tools > GSA Message Validator**) has been improved when validating S2S messages. If the message is invalid, a more accurate message is displayed. If it is valid, a message is now displayed to let you know that all is well.

Transcript Modifications

- **Improved reporting when real-time updates is disabled** – When the real-time update of the transcript is disabled, the **Realtime Update** label now goes to Red and Bold, and a message is displayed on the transcript table to make it obvious that the table is no longer being updated in real time.
- **Improved Quick Filter results display** – If you use the Quick Filter control in the transcript to search for a particular type of record and then select a specific message in the transcript table, that record will now always be in the active window when you clear the filter (so you can easily see the G2S messages around the selected message).



Date Received	From Location	To Location	Summary
2014-05-19T14:15:11.065-07:00	Host ID 1	RBG_1234	eventHandler.eventAck
2014-05-19T14:15:11.037-07:00	RBG_1234	Host ID 1	eventReport: G2S_NAE114 - Note Stacked
2014-05-19T14:15:10.997-07:00	Host ID 1	RBG_1234	eventHandler.eventAck
2014-05-19T14:15:10.987-07:00	RBG_1234	Host ID 1	eventReport: G2S_NAE116 - Note In Escrow
2014-05-19T14:01:59.754-07:00	Host ID 1	RBG_1234	eventHandler.eventAck
2014-05-19T14:01:59.731-07:00	RBG_1234	Host ID 1	eventReport: G2S_VCE102 - Validation ID Data Updated

- **No more "Not Set" tool tips** – In the Transcript command view, there were lots of instances of tool tips that displayed as "Not Set" (because they weren't defined). These undefined tool tips no longer display in the tools.



RSS Version 38 Release Notes

Release Date: 04 MAR 2014

Release Summary

RSS now requires a 2014 license. If you do not have a 2014 license, please email [RadBlue Support](#).