



RSA SMS HTTP Plug-In Implementation Guide

Last Modified: November 29, 2010

Partner Information

Product Information	
Partner Name	TalariaX Pte Ltd
Web Site	www.talariax.com
Product Name	sendQuick Alert Plus
Version & Platform	20090310-AP-1
Product Description	SendQuick Alert Plus is an appliance based SMS (text message) gateway for the Enterprise. A plug-and-play appliance, sendQuick Alert Plus has a designated HTTP API that can receive request to send text message to any mobile phones. In addition to HTTP API, sendQuick can also accept SMTP email, SNMP Traps and Syslog messages to send as text message. SendQuick supports all technologies including GSM (850, 900, 1800, 1900), CDMA, CDMA (3G) and UMTS (2100).



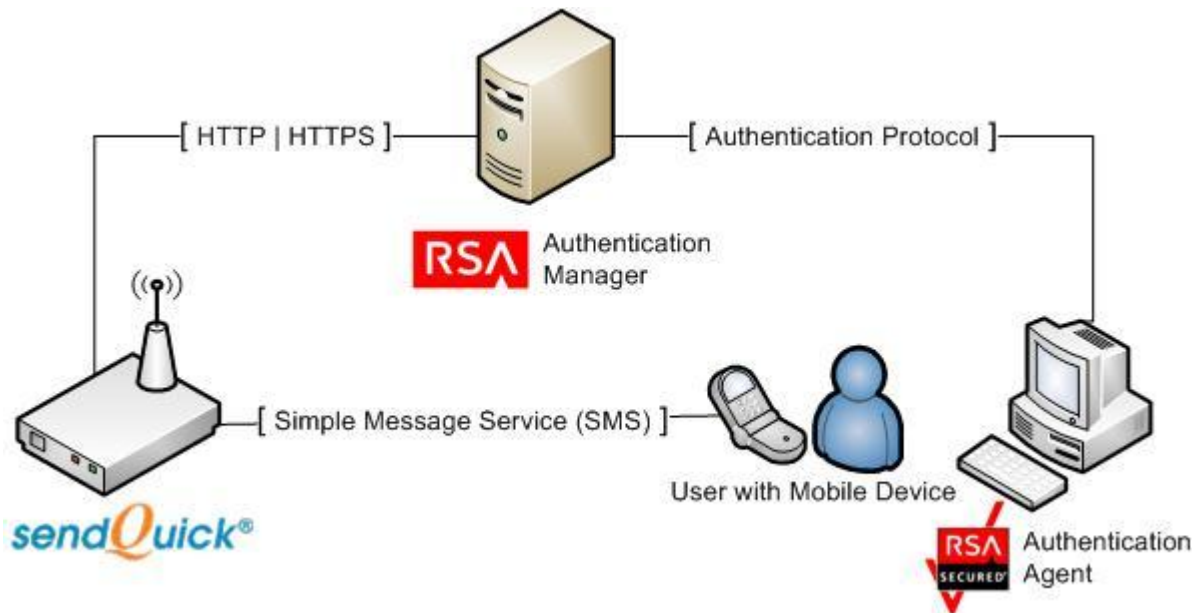


Solution Summary

RSA Authentication Manager can be configured to utilize TalariaX sendQuick Alert Plus for delivery of on-demand tokencodes to be used in on-demand authentications.

When a user authenticates to an agent using his/her username and on-demand PIN, the RSA Authentication Manager sends the on-demand tokencode and mobile number to TalariaX sendQuick Alert Plus using the HTTP or HTTPS protocol. TalariaX sendQuick Alert Plus then delivers the on-demand tokencode to the user's mobile device via Short Message Service (SMS.) The authentication process is completed when the user enters the on-demand tokencode into the agent's prompt for next tokencode.

RSA HTTP Plug-In Supported Functions TalariaX sendQuick Alert Plus	
Integrates with HTTP Plug-In via HTTP	Yes
Integrates with HTTP Plug-In via HTTPS	Yes





SMS HTTP Plug-In Configuration

RSA Authentication Manager can be configured to integrate a supported Short Message Service (SMS) provider using HTTP, HTTPS, or XML-over-HTTP to deliver on-demand tokencodes to a user's mobile phone.

! > Important: HTTP connections are not secure. Sensitive information, such as a tokencode, may be exposed. For secure connections, configure HTTPS.

Before configuring the HTTP Plug-In, you must locate the configuration parameters and base URL. This information is identified during the configuration of Talariax sendQuick Alert Plus.

You must include the following elements within your provider's parameters to retrieve data from the corresponding fields.

Required HTTP Plug-In Parameters	
Elements	Description
\$cfg.user	Account User Name
\$cfg.password	Account Password
\$msg.address	User Attribute to Provide SMS Destination
\$msg.message	On-Demand Tokencode Message

SMS HTTP Plug-In is configured in the RSA Authentication Manager's Security Console. The configuration page has three sections:

- Tokencode Delivery by SMS
- SMS Provider Configuration
- SMS HTTP Proxy Configuration (optional)

Tokencode Delivery by SMS

- Mark the Delivery by SMS checkbox to enable the delivery of On-Demand Tokencodes using SMS service.
- Select the User Attribute to Provide SMS Destination from the drop-down menu.
- Select the Default country code from the drop-down menu. (Optional)
- Select HTTP from the SMS Plug-In drop-down menu.

Tokencode Delivery by SMS	
<input type="checkbox"/> Delivery by SMS:	<input checked="" type="checkbox"/> Enable the delivery of On-Demand Tokencodes using SMS service
<input type="checkbox"/> User Attribute to Provide SMS Destination: *	-- Choose One --
<input type="checkbox"/> Default country code:	-- Select Country Code --
<input type="checkbox"/> SMS Plug-In: *	HTTP Which SMS plug-in is appropriate?



SMS Provider Configuration

- Copy the following line into Base URL field and replace [IP or hostname] and [Client#] with the IP or hostname and client number generated during sendQuick Alert Plus configuration..
`http://[IP or hostname]/client/[client#]/sendsms.php`
- Click Import Certificate to browse to and install an SMS certificate if you are configuring your base for HTTPS.
- Select GET from the HTTP Method drop-down menu.
- Copy the following string into the Parameters field.
`destaddr=$plus$msg.address&text=$msg.message&clientid=$cfg.user&password=$cfg.password`
- Enter Account User Name for the SMS Provider.
- Enter Account Password for the SMS Provider.
- Copy the following line into the Success Response Code field.
`Sent`
- Copy the following line into the Response Format field.
`.*: (Sent)`

SMS Provider Configuration	
Base URL:	<input type="text"/> <small>RSA recommends using HTTPS to increase security.</small>
Certificate Name:	<input type="button" value="Import Certificate"/> (If you enter an HTTPS Base URL, you must import a certificate.)
HTTP Method:	<input type="text" value="GET"/>
Parameters:	<input type="text"/>
Account User Name:	<input type="text"/>
Account Password:	<input type="text"/>
Connection Timeout:	<input type="text" value="5000"/> milliseconds
Success Response Code:	<input type="text"/>
Response Format:	<input type="text"/>

SMS HTTP Proxy Configuration (optional)

Enter the configuration settings for your HTTP Proxy server if you are using one.

SMS HTTP Proxy Configuration	
Proxy Hostname:	<input type="text"/>
Proxy Port:	<input type="text"/>
Proxy User:	<input type="text"/>
Proxy Password:	<input type="text"/>

Click Update to save the SMS Configuration.



Partner Product Configuration

Before You Begin

This section provides instructions for configuring the TalariaX sendQuick Alert Plus with RSA HTTP Plug-In to deliver on-demand tokencodes. This document is not intended to suggest optimum installations or configurations.

It is assumed that the reader has both working knowledge of all products involved, and the ability to perform the tasks outlined in this section. Administrators should have access to the product documentation for all products in order to install the required components.

All TalariaX sendQuick Alert Plus components must be installed and working prior to the integration. Perform the necessary tests to confirm that this is true before proceeding.

Configure the TalariaX sendQuick Alert Plus

1. Logon to sendQuick User Login page and click **Create New Client**.

The screenshot displays the sendQuick user interface. At the top center is the sendQuick logo. On the right, it says "Welcome Useradmin" with a "Logout" link. Below this is a navigation bar with four buttons: "Change Password", "[Parameter(s) Configuration]", "HTTP Log", and "Filter Rule". The "[Parameter(s) Configuration]" button is highlighted in red. Below the navigation bar, there is a section for "Add New Client" with a "Create New Client" button. Below that is a link for "List Of Client(s)". At the bottom, there is a copyright notice: "Copyright © 2002-2010, TalariaX Pte Ltd, Singapore. All Rights Reserved" and the date "Sat, 09 Oct 2010 02:45".

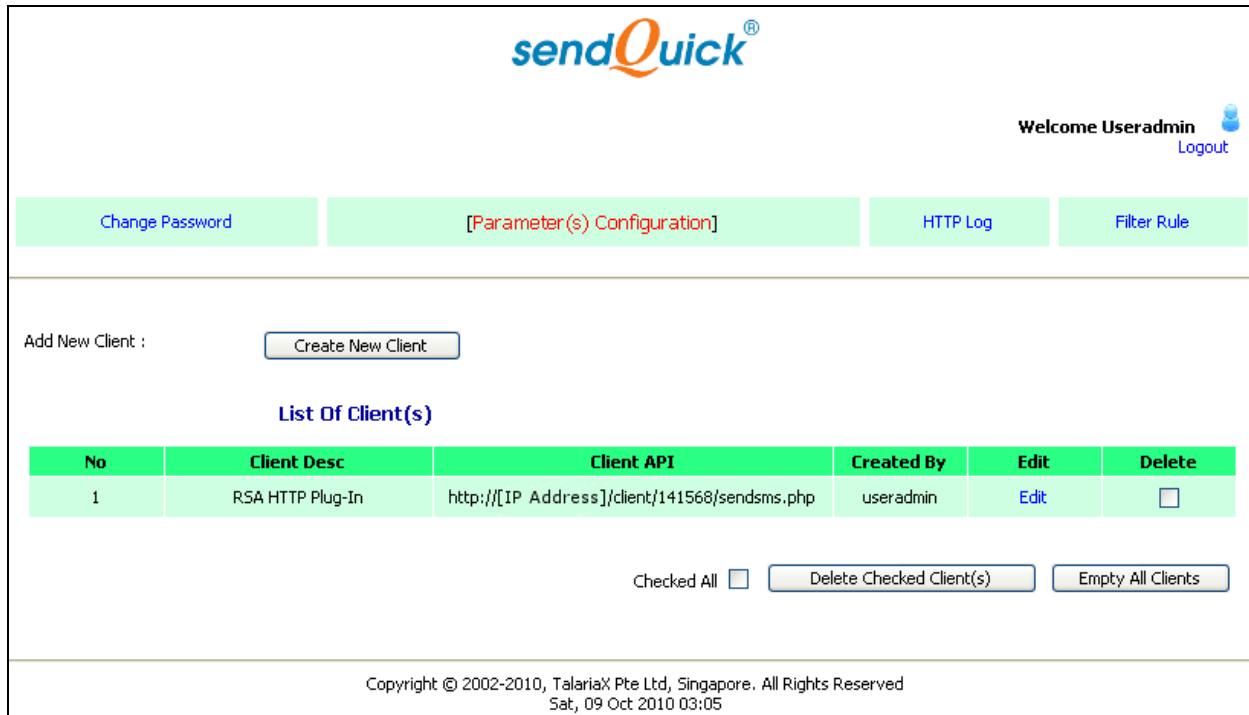


2. Create a new client using the following settings. Set the **Variable Fixed Value** for **Variable 1** to match the Account Username. Set the **Variable Fixed Value** for **Variable 2** to match the Account Password. Click **Add** to complete the configuration.

Create New Client	
Client Description :	<input type="text" value="RSA HTTP Plug-In"/>
Mandatory Variable for Mobile Parameter : Example: tar_num	<input type="text" value="destaddr"/>
Mandatory Variable for Message Parameter : Example: tar_msg	<input type="text" value="text"/>
Variable 1 :	<input type="text" value="Fixed Variable"/> <input type="text" value="clientid"/> Variable Fixed Value: <input type="text"/>
Variable 2 :	<input type="text" value="Fixed Variable"/> <input type="text" value="password"/> Variable Fixed Value: <input type="text"/>
Variable 3 :	<input type="text" value="Fixed Variable"/> <input type="text"/> Variable Fixed Value: <input type="text"/>
Variable 4 :	<input type="text" value="Fixed Variable"/> <input type="text"/> Variable Fixed Value: <input type="text"/>
<input type="button" value="Add"/> <input type="button" value="Cancel"/>	

 **Note:** Set the Variable Fixed Values for Variables 1 and 2 to match the Account Username and Account Password that are configured in the SMS Provider Configuration section of the RSA HTTP Plug-In.

- You will be returned to the main User Login page. Document the **Client API** URL that was generated for your client. The Client API is the base URL that is configured in the RSA HTTP Plug-In.



The screenshot shows the sendQuick user interface. At the top, the logo 'sendQuick' is displayed. On the right, it says 'Welcome Useradmin' with a 'Logout' link. Below this is a navigation bar with buttons for 'Change Password', '[Parameter(s) Configuration]', 'HTTP Log', and 'Filter Rule'. The main content area has an 'Add New Client' section with a 'Create New Client' button. Below that is a 'List Of Client(s)' table with the following data:

No	Client Desc	Client API	Created By	Edit	Delete
1	RSA HTTP Plug-In	http://[IP Address]/client/141568/sendsms.php	useradmin	Edit	<input type="checkbox"/>

Below the table, there is a 'Checked All' checkbox, a 'Delete Checked Client(s)' button, and an 'Empty All Clients' button. At the bottom, the copyright notice reads: 'Copyright © 2002-2010, TalariaX Pte Ltd, Singapore. All Rights Reserved Sat, 09 Oct 2010 03:05'.

 **Note: The Client API is the base URL that is configured in the SMS Provider Configuration section of the RSA HTTP Plug-In.**



Certification Checklist for RSA HTTP Plug-In

Date Tested: October 11, 2010

Certification Environment		
Product Name	Version Information	Operating System
RSA Authentication Manager	7.1 SP4	Windows Server 2003
RSA Authentication Agent	6.1.1	Windows XP Pro
Talariax sendQuick Alert Plus	20090310-AP-1	Proprietary

Mandatory Functionality	
SMS Message Delivered	<input checked="" type="checkbox"/>
On-Demand Authentication with SMS tokencode	<input checked="" type="checkbox"/>
Success Code Received by HTTP Plug-In	<input checked="" type="checkbox"/>

PEW

✓ = Pass ✗ = Fail N/A = Not Applicable to Integration