Nexmo
Nexmo SMS API

RSA SMS HTTP Plug-In Implementation Guide

Last Modified: February 12th, 2015

Partner Information

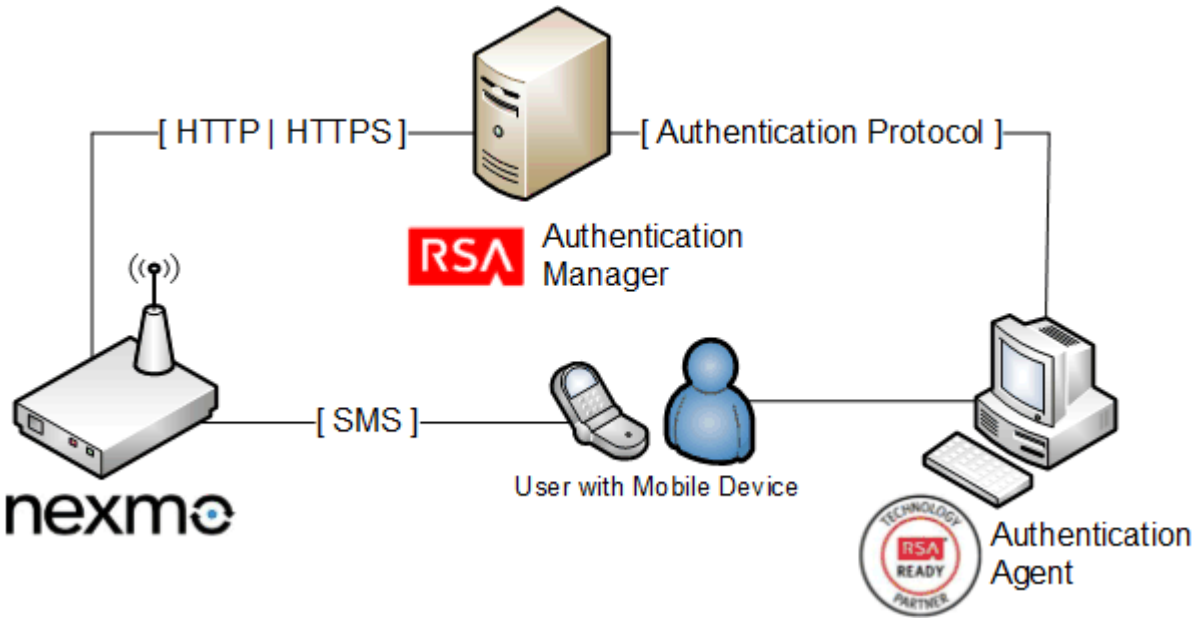
Product Information	
Partner Name	Nexmo
Web Site	www.nexmo.com
Product Name	Nexmo SMS API
Product Description	Nexmo provides innovative cloud communication APIs that enable applications and enterprises connect to their customers via SMS. Nexmo's APIs, Direct to Carrier approach and Adaptive Routing technology improves customer experiences by connecting you with your customers reliably no matter where they are in the world. Nexmo connects to over 1,820 carriers and reaches over 239 countries and territories. Nexmo's SMS API makes it simple to integrate a global SMS based OTP for any application.

Solution Summary

RSA Authentication Manager can be configured to utilize Nexmo 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 Nexmo using the HTTP or HTTPS protocol. Nexmo 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	
Nexmo	
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. Contact your SMS provider for this information. You must include the following elements within your provider's parameters to retrieve data from the corresponding fields.

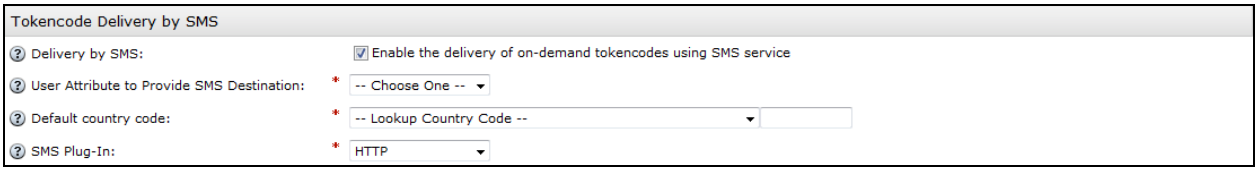
Required HTTP Plug-In Parameters	
Elements	**Description**
$cfg.user	Account User Name
$cfg.password	Account Password
$msg.address	User Attribute to Provide SMS Destination
$msg.message	On-Demand Tokencode Message

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.
- (Optional) Select the Default country code from the drop-down menu.
- Select HTTP from the SMS Plug-In drop-down menu.



SMS Provider Configuration

- Copy the following line into Base URL field and replace [IP or hostname] with the IP or hostname provided by your SMS Provider.

  ```
  https://rest.nexmo.com/sms/xml
  ```

- Click Import Certificate to browse to and install an SMS certificate if you are configuring your base for HTTPS.
- Select POST from the HTTP Method drop-down menu.
- Copy the following string into the Parameters field and replace *[nexmofromnumber]* with your Nexmo from number.

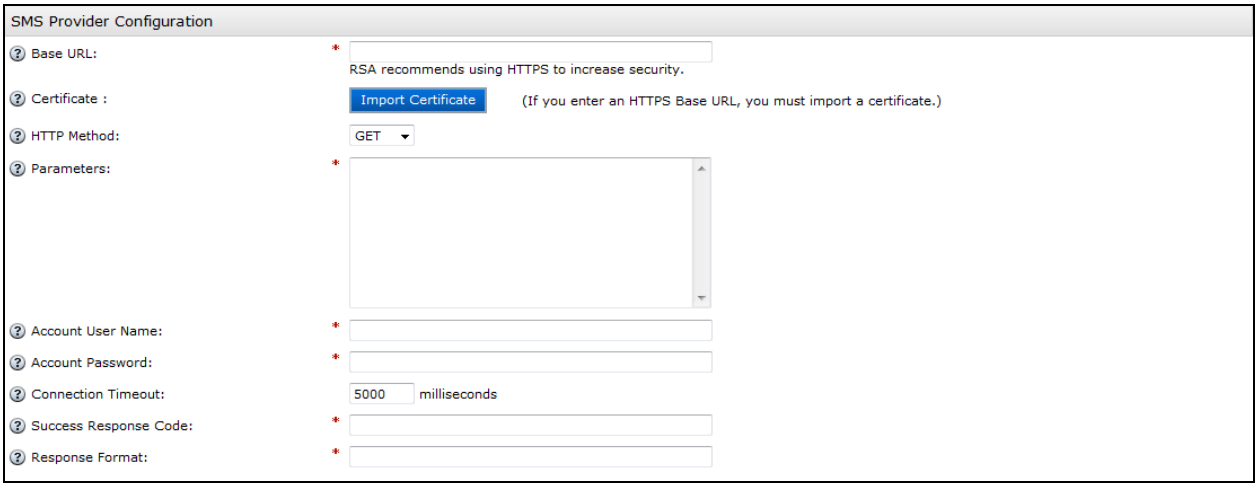
  ```
  api_key=$cfg.user&api_secret=$cfg.password&from=[nexmofromnumber]&to=$msg.address&text=$msg.message
  ```

- Enter API Key in the Account User Name field.
- Enter API Secret in the Account Password field.
- Copy the following line into the Success Response Code field.

  ```
  0
  ```

- Copy the following line into the Response Format field.

  ```
  .+?<status>(.*)</status>.*
  ```



SMS HTTP Proxy Configuration (optional)

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

Click Update to save the SMS Configuration.

Certification Checklist for RSA HTTP Plug-In

Date Tested: February 10th, 2015

Certification Environment		
Product Name	**Version Information**	**Operating System**
RSA Authentication Manager	8.1	Virtual Appliance
RSA Authentication Agent	7.2	Windows 7 Enterprise
Nexmo	N/A	N/A

Mandatory Functionality	
SMS Message Delivered	✓
On-Demand Authentication with SMS tokencode	✓
Success Code Received by HTTP Plug-In	✓

PEW

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