



RSA SMS HTTP Plug-In Implementation Guide

Last Modified: June 30, 2014

Partner Information

Product Information	
Partner Name	Tyntec
Web Site	www.tyntec.com
Product Name	Mobile Outbound SMS
Product Description	tyntec allows companies to integrate SMS into the heart of what they do. Whether this is sending time-critical alerts, carrying out marketing campaigns or interacting with customers, tyntec is an SMS provider that delivers international SMS in a straightforward and reliable fashion.

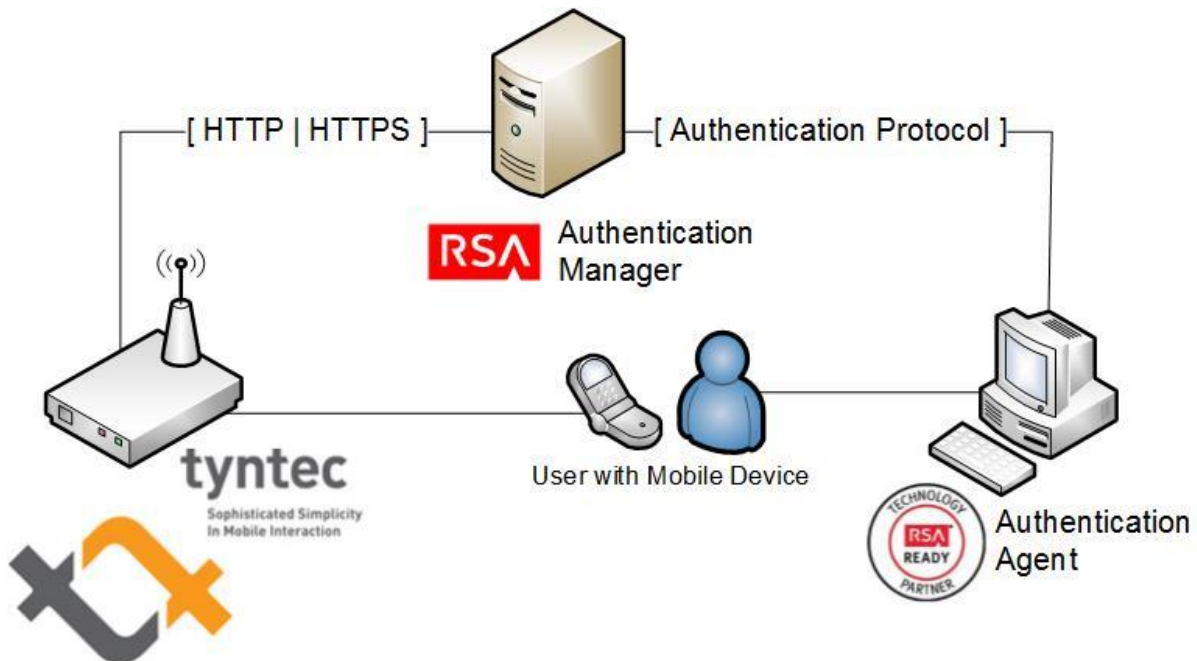


Solution Summary

RSA Authentication Manager can be configured to utilize Tyntec Mobile Outbound SMS 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 Tyntec Mobile Outbound SMS using the HTTP or HTTPS protocol. Tyntec Mobile Outbound SMS 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	
Tyntec Mobile Outbound SMS	
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.

Tokencode Delivery by SMS

Delivery by SMS: Enable the delivery of on-demand tokencodes using SMS service

User Attribute to Provide SMS Destination: * -- Choose One --

Default country code: * -- Lookup Country Code --

SMS Plug-In: * HTTP

SMS Provider Configuration

- Copy the appropriate line depending on whether you are integrating via HTTP or HTTPS.
`http://sms.tyntec.com:4887/http/send`
`https://sms.tyntec.com:8443/http/send`
- 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.
`user=$cfg.user&password=$cfg.password&sender=rsa&receiver=00$msg.address&content=$msg.message`
- 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.
OK
- Copy the following line into the Response Format field.
.*(OK).*

The screenshot shows the 'SMS Provider Configuration' form with the following fields and values:

- Base URL:** * [Empty field] (Note: RSA recommends using HTTPS to increase security.)
- Certificate:** [Import Certificate button] (If you enter an HTTPS Base URL, you must import a certificate.)
- HTTP Method:** GET
- Parameters:** * [Empty text area]
- Account User Name:** * [Empty field]
- Account Password:** * [Empty field]
- Connection Timeout:** 5000 milliseconds
- Success Response Code:** * [Empty field]
- Response Format:** * [Empty field]

SMS HTTP Proxy Configuration (optional)

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

The screenshot shows the 'SMS HTTP(S) Proxy Configuration' form with the following fields:

- Proxy Hostname:** [Empty field]
- Proxy Port:** [Empty field]
- Proxy User:** [Empty field]
- Proxy Password:** [Empty field]

Click Update to save the SMS Configuration.

Certification Checklist for RSA HTTP Plug-In

Date Tested: June 25, 2014

Certification Environment		
Product Name	Version Information	Operating System
RSA Authentication Manager	8.1	Virtual Appliance
RSA Authentication Agent	7.2	Windows 7 Enterprise
Tyntec Mobile Outbound SMS	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