

# Juniper OneTouch

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## Overview

This document is intended to supplement the the [OneTouch Mobile](#) guide and the [OneTouch Voice](#) guide for using the Swivel Juniper OneTouch Demo application.

## Prerequisites

Swivel 3.10.4

Juniper 7.x or 8.x

Nexmo Account (or other Telephony provider) for OneTouch Voice telephone-based solution

Latest version of the Swivel Appliance Proxy available from [Downloads](#)

Swivel OneTouch Application demo available from [Downloads](#)

Juniper Custom login pages [OneStage.zip](#) or [TwoStages.zip](#)

## Baseline

(The version tested with)

Swivel 3.10.4

Juniper 7.x

## Architecture

See [OneTouch Voice](#) and [OneTouch Mobile](#)

## Installation

### One Touch Demo Application Installation

Install the Swivel [OneTouch Demo Application](#)

### Swivel Integration Configuration

Configure the Swivel server and users as detailed in this guide [OneTouch Voice](#) or [OneTouch Mobile](#).

### Juniper One Touch Integration

#### Modifying the Custom login Pages

Modify the Juniper login pages either for OneStage or TwoStage authentication.

## For Single Stage authentication

Open the OneTouchOneStage.zip file

Modify the LoginPage.thtml file

edit the 2 URLs to access to your OneTouch demo app:

e.g.: <http://localhost:8081/onetouchdemo/onetouch?returnurl=>

Save the changes and create a zip. NOTE: the zip has to contain just the files and not the onetouch folder or itself a subfolder.

## For Two Stage Authentication

Open the OneTouch2Stages.zip file

Modify the Defender.thtml file

edit the URLs to access to your OneTouch demo app:

e.g.: <http://localhost:8081/onetouchdemo/onetouch?returnurl=>

Save the changes and create a zip. NOTE: the zip has to contain just the files and not the onetouch folder or itself a subfolder.

## Uploading the Custom Sign in pages

As with the Swivel Juniper integration, the custom pages need to be uploaded and assigned to a signing-in policy and realm.

Ensure all the modified files are included with the zip file to upload to the Swivel server. On the Juniper select Signing In/Sign-in Pages then click on Upload Custom Pages.

The screenshot displays the Juniper Central Manager web interface. The top header features the Juniper Networks logo. A left-hand navigation menu is visible, with categories like System, Authentication, Administrators, Users, and Maintenance. The 'Authentication' section is expanded, showing 'Signing In' as the selected option. The main content area is titled 'Signing In' and contains two tabs: 'Sign-in Policies' and 'Sign-in Pages'. The 'Sign-in Pages' tab is active, showing three buttons: 'New Page...', 'Upload Custom Pages...' (highlighted with a yellow border), and 'Delete'. Below the buttons is a table with the following data:

<input checked="" type="checkbox"/>	Sign-In Page	Type
	<a href="#">Default Sign-In Page</a>	Sta
	<a href="#">Meeting Sign-In Page</a>	Sta

Enter a Name for the Custom page, then use Browse to find the location of the Templates file. Then click on the Upload Custom Pages, observe any errors that may occur.


**Juniper®**  
 NETWORKS

**Central Manager**

System

Status >

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Clustering >

Log/Monitoring >

Authentication

Signing In >

Endpoint Security >

Auth. Servers

Administrators

Admin Realms >

Admin Roles >

Users

User Realms >

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Resource Profiles >

Resource Policies >

Maintenance

System >

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Archiving >

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Signing In >

## Upload Custom Sign-In Pages

Custom sign-in pages allow you to provide customized templates for various pages that appear during the sign-in process. Refer to the documentation for information about creating valid templates.

Sign-In Pages

Name:

PINsafe

Label to reference the custom sign-in pages.

Page Type:

☒ Access
 ☐ Meeting

Templates File:

C:\Documents and Settings\Brow...

Browse...

Zip file containing the custom templates and assets.

Upload

☐ skip validation checks during upload

Upload Custom Pages

The new signing in page should be listed.

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**Authentication**

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- Endpoint Security ▸
- Auth. Servers

**Administrators**

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**Users**

- User Realms ▸
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- Resource Profiles ▸
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**Maintenance**

- System ▸
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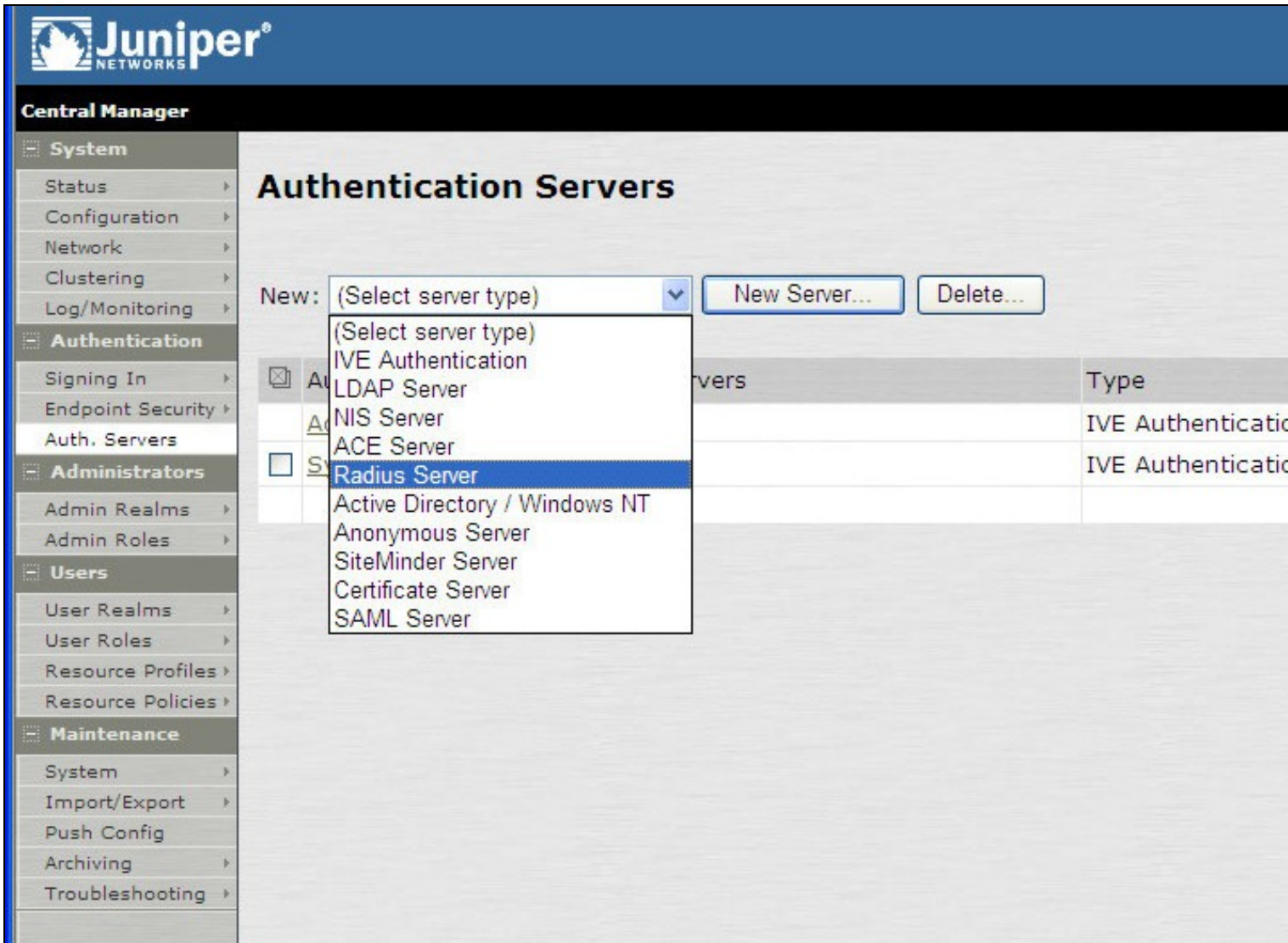
## Signing In

[Sign-in Policies](#)
[Sign-in Pages](#)
[New Page...](#)
[Upload Custom Pages...](#)
[Delete](#)

<input checked="" type="checkbox"/>	Sign-In Page	Type
<input type="checkbox"/>	<a href="#">PINsafe</a>	Cust
	<a href="#">Default Sign-In Page</a>	Stan
	<a href="#">Meeting Sign-In Page</a>	Stan

## RADIUS Authentication Server Configuration

On the Juniper Server select Authentication Servers then select RADIUS Server from the drop down menu, and click on New Server.



The following information is required:

**Name:** A descriptive name for the RADIUS server

**RADIUS Server:** The Swivel server IP/Hostname (Use the Swivel server real IP address not the VIP, multiple servers can be defined as Primary and secondary servers).

**Authentication Port:** the port used to carry authentication information, by default 1812

**Shared Secret:** The shared secret that has been entered on the Swivel server

**Accounting Port:** the port used to carry accounting information, by default 1813

**NAS-IP Address:** the Juniper interface used for communication, usually left empty

**Users authenticate using tokens or one-time passwords** Ensure this box is ticked

Backup server, Enter the details of any additional Swivel servers which can be used for authentication.



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Auth Servers >

PINsafe

SettingsUsers

Name:PINsafeLabel to reference this server.

Radius Server:82.69.194.195Name or IP address

Authentication Port:1812

Shared Secret:••••••

Accounting Port:1813Port used for Radius accounting, if applicable

NAS-IP-Address:IP address

Timeout:30seconds

Retries:0

☒ Users authenticate using tokens or one-time passwords

Note: If you select this, IVE will send the user's authentication method as "token" if you use SAML and this credential will not be used in automatic SSO to backend applications.

Backup server

Radius Server:Name or IP address

Authentication Port:

Shared Secret:

Accounting Port:Port used for Radius accounting, if applicable

Radius accounting

NAS-Identifier:Name of IVE as known to Radius s

For Two Stage Authentication Go to the auth, select the server used for one touch and add a new challenge rule. The value has to be the same as configured on Defender.thtml and radius\_challenges.txt on the Swivel core.

Example Rule:

Name: Challenge One Touch

Response Packet Type: Access Challenge

RADIUS Attribute: Reply-Message

Operand: matches the expression

Value: One Touch

## Edit Custom Radius Rule

Name: Challenge One Touch

### If received Radius Response Packet ...

Response Packet Type: Access Challenge ▾

Attribute criteria:

Radius Attribute	Operand	Value	
Reply-Message (18) ▾	matches the expression ▾		Add
Reply-Message	matches the expression	One Touch	✕

### Then take action ...

- ☐ show **New Pin** page
- ☐ show **Next Token** page
- ☒ show **Generic Login** page
- ☐ show **user login page** with error message
- ☐
- ☐ show **Reply-Message** attribute from the Radius server to the user
- ☐ send **Access Request** with additional attributes

Radius Attribute	Value	
User-Name (1) ▾		Add

## Authentication Realm Configuration

Authentication realms determine which method of authentication will be used. On the Juniper select User Realms, and either create a new Realm with the New button or modify an existing realm by clicking on it.

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## User Authentication Realms

[New...](#)[Duplicate...](#)[Delete...](#)☒ Authentication Realm☐ [Users](#)

Authentication realms specify what server to use for authentication, how policies are assigned to users,

### Additional Installation Options

### Verifying the Installation

### Uninstalling the Swivel Integration

### Troubleshooting

### Known Issues and Limitations

### Additional Information

For assistance in the Swivel installation and configuration please firstly contact your reseller and then email Swivel Secure support at [support@swivelsecure.com](mailto:support@swivelsecure.com).