

1. Access "Trust\_Network" Tab and click on "Create New Authority" button

The screenshot shows the 'Administrative Console' interface. At the top, there is a navigation bar with tabs for 'Home', 'Trust\_Network', 'Petstore\_Users', and 'Petstore'. A red arrow points to the 'Trust\_Network' tab. Below the navigation bar, the 'Administrative Console' header is visible, along with the 'trustnetwork asa service' logo and 'RESILIENT NETWORK SYSTEMS' text. The main content area is divided into two sections: 'Re Policies' and 'Re Authorities'. The 'Re Policies' section contains a 'Create New Policy' button and a table with two rows of policy data. The 'Re Authorities' section contains a 'Create New Authority' button, which is highlighted with a red arrow, and a table with two rows of authority data.

Name	Policy Used For	Expression	Input Parameters	Last Updated
PetstoreUserActivation	Access force.com Page	Email Authentication	Email Address	Jun 2, 2015
PetstoreTwoFactorNew	Access force.com Application	PetstoreUserAuth And PetstoreTwoFactorAuth	User Id, User Id	Jun 4, 2015

Status	Type	Name	Display Name	Input Parameters	Last Updated
<input checked="" type="checkbox"/>	Salesforce Policy Authority	PetstoreTwoFactorAuth	PetstoreTwoFactorAuth	User Id	Jun 2, 2015
<input checked="" type="checkbox"/>	Salesforce Authentication	PetstoreUserAuth	PetstoreUserAuth	User Id, Password	Jun 4, 2015

2. Create a "Salesforce Authentication" with Petstore\_User custom object's Email and Password fields:

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Home Trust\_Network +

**trustnetwork**  
*as a service*

**Administrative Console**

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Authority Type:  ?

Authority Name:  ?

Authority Display Name:

Authority Description:

TNaaS Authority Connector Host:

**Step 1:** Configure the user search attributes for Salesforce Authentication

**Salesforce Authentication User Search Attributes**

Salesforce Object with User Data:  ?

UserId Field:

Password Field:

Password encoded as MD5:

3. Create a "Salesforce Policy Authority" and add "userid" runtime parameter as the following:

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**Administrative Console**

RESILIENT NETWORK SYSTEMS

Authority Type: Salesforce Policy Authority ?

Authority Name: PetstoreTwoFactorAuth ?

Authority Display Name: PetstoreTwoFactorAuth

Authority Description: Create a two factor authentication for Petstore application

TNaas Authority Connector Host: ?

**Step 1:** Configure the runtime parameters for the Authority

Name	Display Name	Obfuscate	Initial Request	Mask Input	Action
userid	User Id	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="x"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="x"/>

4. Configure the SOQL query to extract attributes like the following:

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Step 1: Configure the runtime parameters for the Authority

Name	Display Name	Obfuscate	Initial Request	Mask Input	Action
userid	User Id	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="text"/>	<input type="text"/>				<input type="button" value="Add"/>

Step 2: Configure the SQL query to extract attributes from Salesforce

Build the SQL Expression to extract attributes from Salesforce objects

**SELECT**

Petstore\_User\_\_c.Email\_\_c , Petstore\_User\_\_c.Phone\_\_c , Petstore\_User\_\_c.Activated\_\_c

Id

**FROM**

Petstore\_User\_\_c

AcceptedEventRelation

**WHERE**

Petstore\_User\_\_c.Email\_\_c = '{userid}' AND Petstore\_User\_\_c.Activated\_\_c = 1

Petstore\_User\_\_c.Email\_\_c = Runtime Parameter User Id

4. Create an output policy with phone authentication as the second factor:

Step 3: Create Output Policy and configure its parameters

Configure Output Policy

Output Policy: Phone Authentication

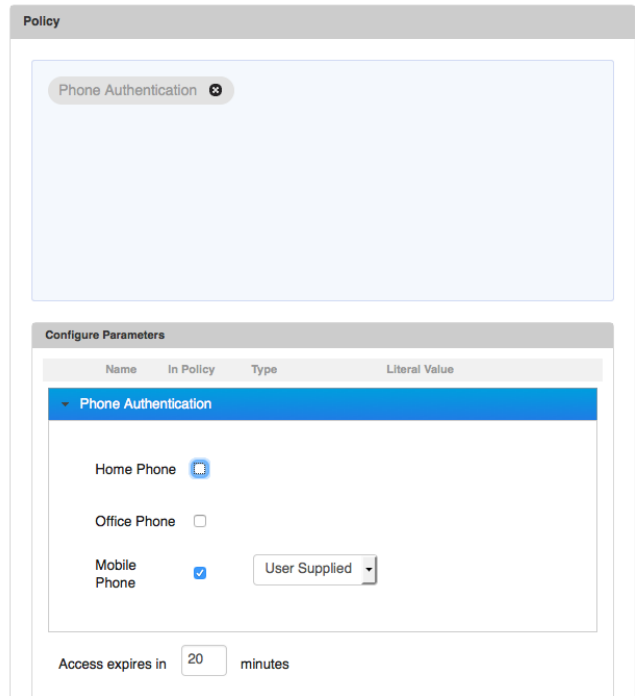
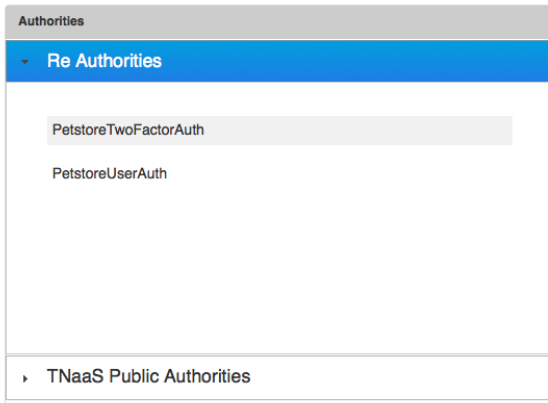
Create Output Policy

Configure Policy Parameters

Output Parameter Name	Mapped Type	Mapped Value
Mobile Phone	Query Result	Petstore_User__c.Phone__c

Save Cancel

5. Enable "Phone Authentication" as the second factor:



7. After turning "ON" the newly created authorities, press "Create New Policy" to create two petstore policies

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**Administrative Console** RESILIENT NETWORK SYSTEMS

Re Policies

Create New Policy

Name	Policy Used For	Expression	Input Parameters	Last Updated
PetstoreUserActivation	Access force.com Page	Email Authentication	Email Address	Jun 2, 2015
PetstoreTwoFactorNew	Access force.com Application	PetstoreUserAuth And PetstoreTwoFactorAuth	User Id, User Id	Jun 4, 2015

Re Authorities

Create New Authority

Status	Type	Name	Display Name	Input Parameters	Last Updated
<input checked="" type="checkbox"/>	Salesforce Policy Authority	PetstoreTwoFactorAuth	PetstoreTwoFactorAuth	User Id	Jun 2, 2015
<input checked="" type="checkbox"/>	Salesforce Authentication	PetstoreUserAuth	PetstoreUserAuth	User Id, Password	Jun 4, 2015

8. Create "PetstoreUserActivation" policy by dragging and dropping "Email Authentication".

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Authorities

Re Authorities

- PetstoreTwoFactorAuth
- PetstoreUserAuth

TNaaS Public Authorities

Policy

Email Authentication

Configure Parameters

Name	In Policy	Type	Literal Value
Email Authentication			
Email Address	<input checked="" type="checkbox"/>	User Supplied	

Access expires in 20 minutes

Next Cancel

9. Select "Access force.com Page" tab and press "Save" button





The screenshot displays the Salesforce Policy configuration interface. In the foreground, a 'Save Policy' dialog box is open, showing the following fields:

- Policy Name:** PetstoreUserActivation
- Application Hosting Domain:** https://trust-petstore-developer-edition.na24.force.com
- Policy Deny Message:** You are not authenticated to view this resource
- Policy Applied For:** A list containing 'Access force.com Page' and 'Access force.com Application'. A red arrow points to this section.
- Hide Trust Tag header:**

Buttons for 'Save' and 'Cancel' are located at the bottom of the dialog. In the background, the main configuration page is visible, showing sections for 'Re Authorities' (with 'PetstoreTwoFactorAuth' and 'PetstoreUserAuth'), 'Email Authentication', and 'Configure Parameters'. A 'Next' button is also visible on the right side of the background page.

10. Create a new two factor authentication policy:

Authorities

- Re Authorities
  - PetstoreTwoFactorAuth
  - PetstoreUserAuth
- TNaaS Public Authorities

Policy

PetstoreUserAuth AND PetstoreTwoFactorAuth

Configure Parameters

Name	In Policy	Type	Literal Value
PetstoreUserAuth			
User Id	<input checked="" type="checkbox"/>	User Supplied	
Password	<input type="checkbox"/>		
PetstoreTwoFactorAuth			

Access expires in 20 minutes

Next Cancel

11. Select "Access force.com Application" tab and enter Home/Sign In page parameters as the following:

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The screenshot displays the 'Administrative Console' interface. On the left, under 'Authorities', there is a list of 'Re Authorities' including 'PetstoreTwoFactorAuth' and 'PetstoreUserAuth'. On the right, the 'Policy' configuration area shows a logical expression: 'PetstoreUserAuth AND PetstoreTwoFactorAuth'. A 'Save Policy' dialog box is open in the foreground, containing the following information:

- Policy Name:** PetstoreTwoFactorNew
- Application Hosting Domain:** https://trust-petstore-developer-edition.na24.force.com
- Policy Deny Message:** Unable to authenticate petstore user
- Policy Used For:** Access force.com Application
- Application Home Page:** Petstore\_Index
- Application Sign In Page:** Petstore\_SignIn

The dialog also features 'Next' and 'Cancel' buttons at the bottom right.

