Web Admin Part II - Admin Realm Configuration Guide

Introduction

Use this guide to configure the **Admin Realm** for remote access in the SecureAuth IdP Web Admin.

> SecureAuth recommends configuring the Admin Realm **first** to ensure the security of the appliance and the realms within it.

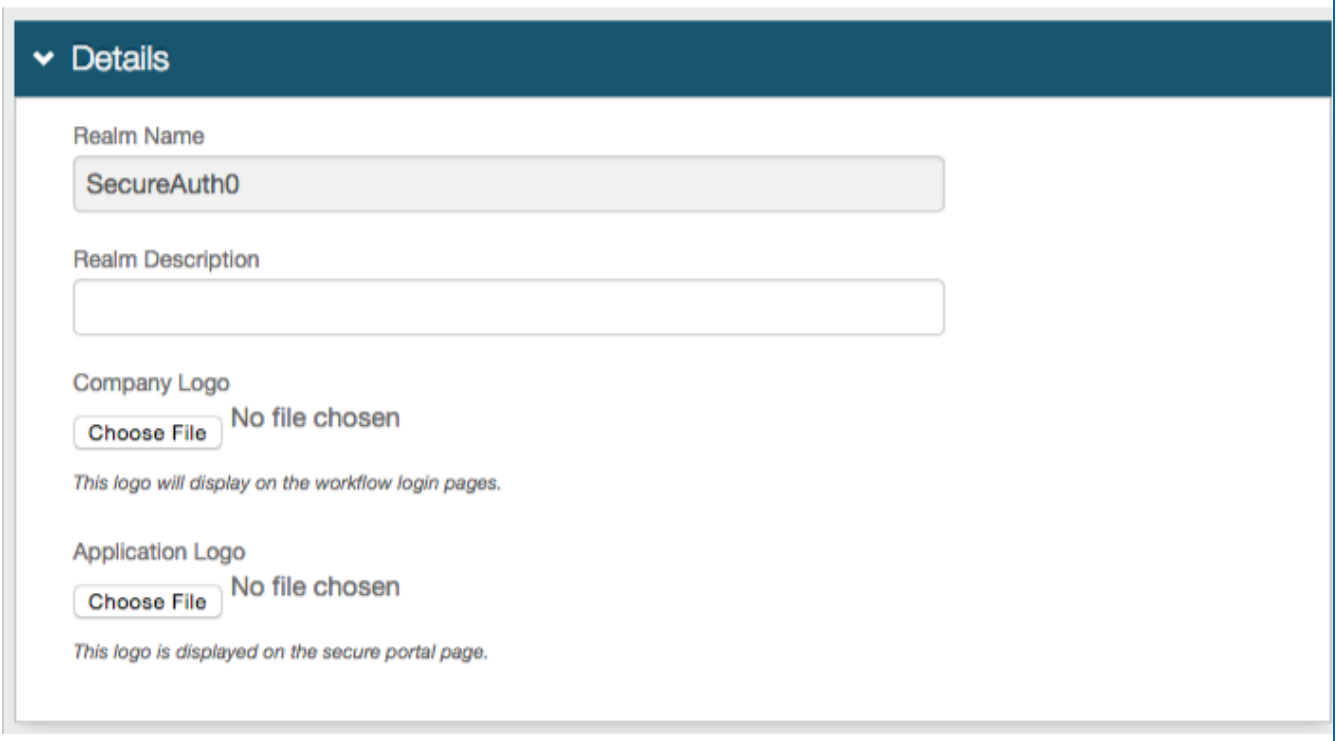
The Admin Realm (SecureAuth0) can be accessed locally (Remote Desktop Protocol – RDP) or remotely (through web interface). If accessed remotely then no directory integration is required, but the **Data** tab *must* be configured to allow external access. It is also recommended to configure the workflow to require Multi-Factor Authentication to increase security.

Prerequisites

To enable Multi-Factor Authentication to the Admin Realm (**SecureAuth0**), an enterprise data store is required with which SecureAuth IdP can integrate.

Admin Realm Configuration Steps

Overview



1. In the **Details** section, **SecureAuth0** is set as the **Realm Name**

2. (optional) Provide a **Realm Description**

> Click **Save** once the configurations have been completed and before leaving the **Overview** page to avoid losing changes

Advanced Settings

3. Click **Email Settings** to configure the SMTP settings

Email Settings

Email Settings

SMTP

Server Address

SMTP (Simple Mail Transfer Protocol) Server Address

Port

25

SMTP (Simple Mail Transfer Protocol) Port Number

Username

SMTP (Simple Mail Transfer Protocol) Username

Password

SMTP (Simple Mail Transfer Protocol) Password

Domain

localhost

SMTP (Simple Mail Transfer Protocol) Domain

SSL

False

Select "True" to use SSL for sending email

Email

Logo

Choose File No file chosen

Subject

SecureAuth One Time Registration Code

Show passcode in subject li

Email subject text

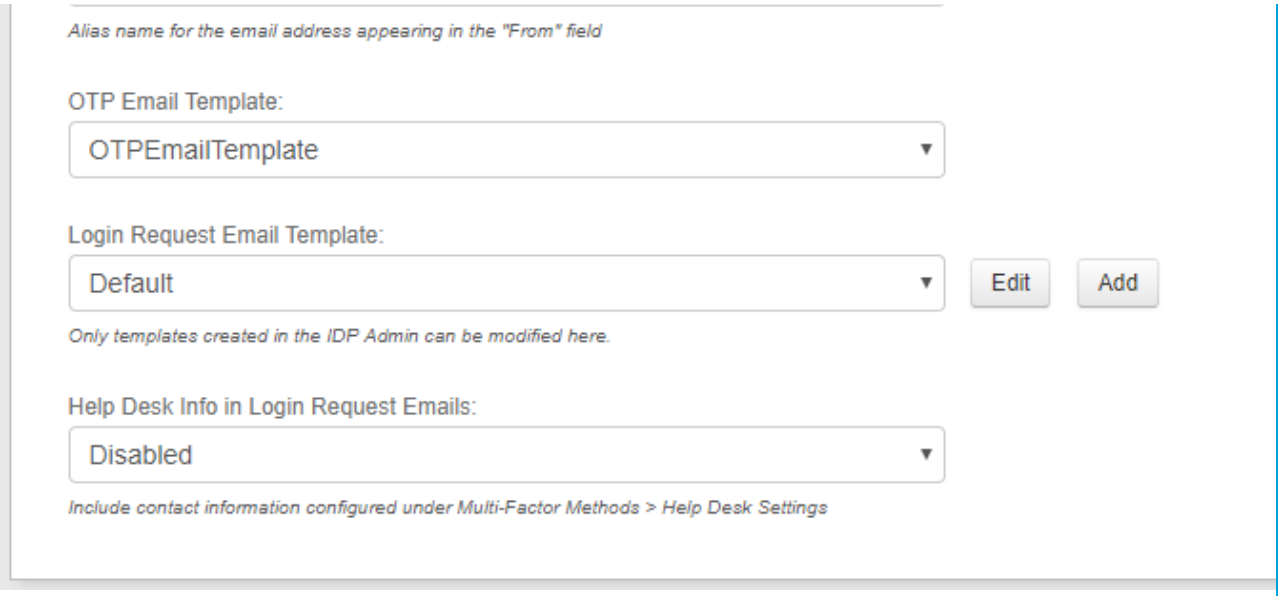
Sender Address

do-not-reply@company.com

Email address of the sender that will appear in the "From" field

Sender Name

SecureAuth Support



4. Provide the Simple Mail Transfer Protocol (SMTP) **Server Address** through which SecureAuth IdP will send emails

5. Change the **Port** from the defaulted **25** if the SMTP server utilizes a different one

6. Provide the **Username**, **Password**, and/or **Domain** if required by the SMTP Relay

> If the fields are not required by the SMTP Server, then only the **Server Address** and **Port** number need to be set

7. If emails will be sent through a Secure Socket Layer (SSL), then select **True** from the **SSL** dropdown

8. (optional) Upload a **Logo** that will be used in the SecureAuth IdP email messages

9. Provide the **Subject** of the SecureAuth IdP email messages

10. Provide the **Sender Address** of the SecureAuth IdP email messages

11. Provide the **Sender Name** of the SecureAuth IdP email messages

12. Select a **Template** that will be used for the SecureAuth IdP email messages

> Click **Save** once the configurations have been completed and before leaving the **Email Settings** page to avoid losing changes

> For all **Overview** configuration steps, refer to **Overview Tab Configuration**

Data

Membership Connection Settings

Datastore Type

Type: Active Directory (sAMAccoun

- Active Directory (sAMAccountName)
- Active Directory (UPN)
- Lightweight Directory Services (AD-LDS)
- Lotus Domino
- Novell eDirectory
- Sun ONE
- Tivoli Directory
- Open LDAP
- Other LDAP
- SQL Server
- Custom
- ODBC
- ASPNETDB
- Web Service (Multi-Datastore)
- Microsoft Azure AD
- Oracle
- WebAdmin

Datastore Connection

Domain:

te LDAP Connection String

Connection String:

Anonymous LookUp:

Connection Mode:

Datastore Credentials

Service Account: sv-account

Password: ••••••••••

Search Filter

Search Attribute: samAccountName Generate Search Filter

searchFilter: (&(samAccountName=%v)(objectclass=*))

Group Permissions

Advanced AD User Check: False

Validate User Type: Search

User Group Check Type: Allow Access

User Groups: admins Include Nested Groups

Groups Field: memberOf

Max Invalid Password Attempts: 10

Test Connection

Notes

- Steps 13 - 21 are only required if allowing remote access (through web interface) to SecureAuth0 (Web Admin)
- Step 22 is only required if utilizing Multi-Factor Authentication for remote access

13. In the **Membership Connection Settings** section, select the directory with which SecureAuth IdP will integrate for Multi-Factor Authentication and assertion from the **Data Store** dropdown

14. Follow the distinct configuration steps for the specific data store in additional to the configuration steps on this page:

- **Active Directory (sAMAccountName)**
- **Active Directory (UPN)**
- **Lightweight Directory Services (AD-LDS)**
- **Lotus Domino**
- **Novell eDirectory**
- **Sun ONE**
- **Tivoli Directory**
- **Open LDAP**
- **Other LDAP**
- **SQL Server**
- **Custom** – for directories not listed. This would require custom coding, so please contact SecureAuth for configuration steps / requirements
- **ODBC**
- **ASPNETDB**
- **Web Service (Multi-Datastore)**
- **Microsoft Azure AD**
- **Oracle**
- **WebAdmin** (*for SecureAuth0 Admin Realm only*)

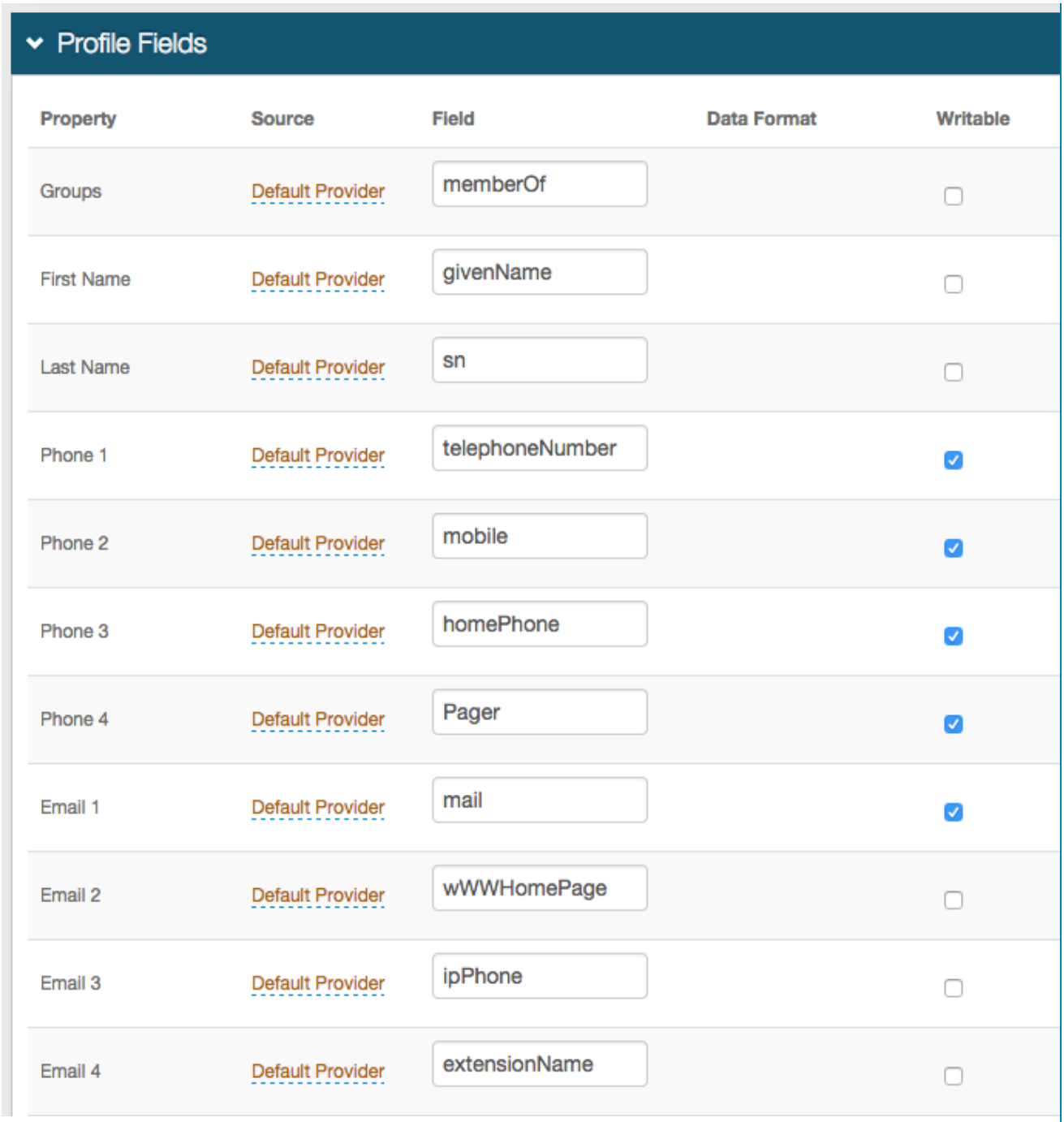
SecureAuth advises configuring access to the SecureAuth0 realm with security best practices in mind. Recommendations are listed below, but it is the customer's responsibility to determine the best settings for their specific deployment. These recommendations do not constitute a guarantee of security.

15. Restrict access to SecureAuth0 to a specific admin group.

a. In the corporate data store, create an admin user group comprised of only those members who will have access to the Web Admin
b. In the **User Groups** (AD/LDAP) or **Allowed Groups** (SQL) field, enter the name of the admin group
c. (AD/LDAP) In the **User Group Check Type** field, select **Allow Access**
d. (AD/LDAP) Set the **Groups Field** field to the LDAP attribute that contains user group information, e.g. **memberOf**

Profile Fields

This section is for LDAP data stores only; refer to the specific directory configuration guide for more information



16. Map the SecureAuth IdP **Property** to the appropriate data store **Field**

    For example, **Groups** is located in the **memberOf** data store **Field**

17. If another directory is enabled in the **Profile Connection Settings** section and contains the **Property**, then change the **Source** from **Defaul t Provider**

18. Check **Writeable** for a **Property** that will be changed in the data store by SecureAuth IdP

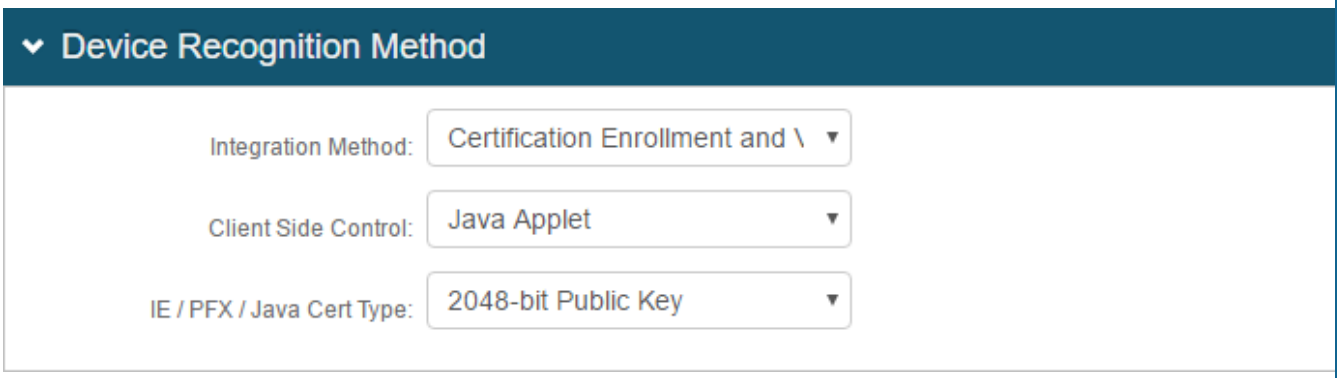
    For example, user account information (telephone number) or authentication mechanisms (knowledge-based questions, fingerprints)

The **Fields** listed are only *examples* as each data store is organized differently and may have different values for each **Property**

For all **Data** configuration steps, refer to **Data Tab Configuration**

Click **Save** once the configurations have been completed and before leaving the **Data** page to avoid losing changes

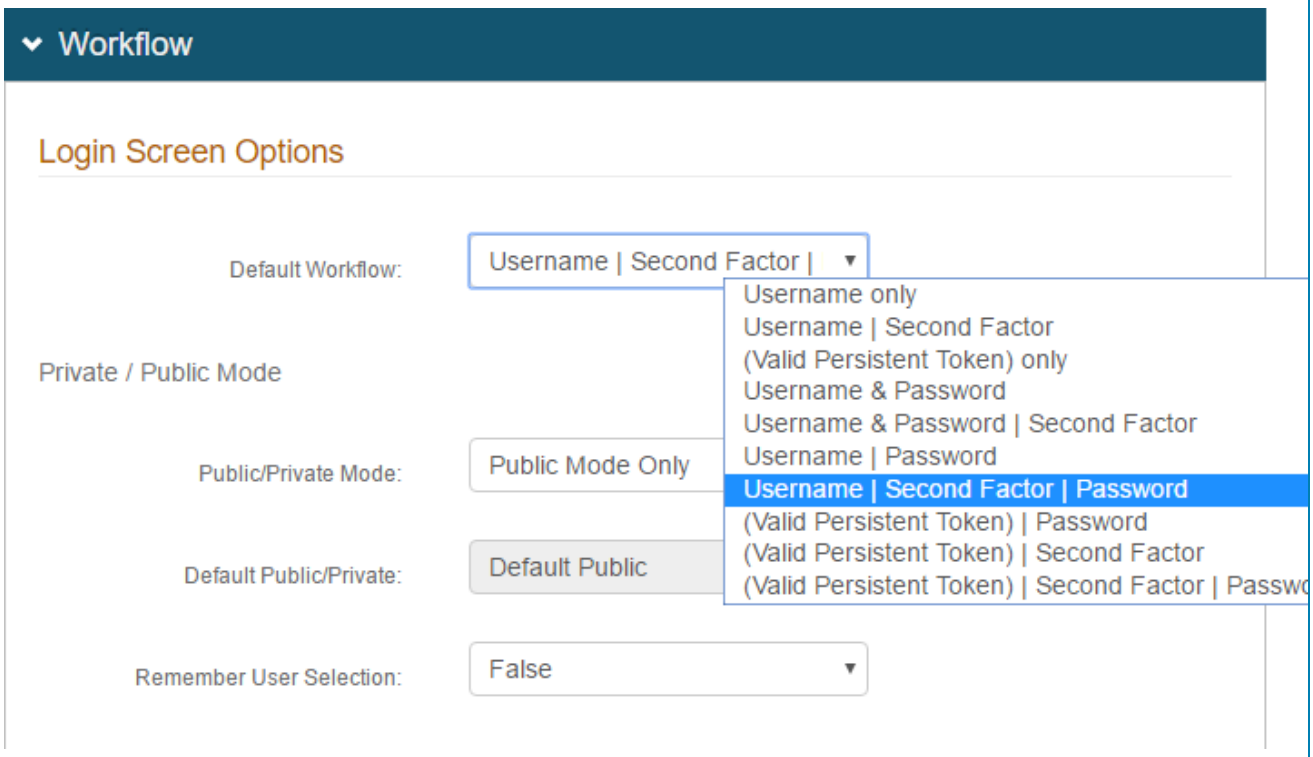
Workflow



19. In the **Device Recognition Method** section, select the **Integration Method**, and the **Client Side Control** and **IE / PFX / Java Cert Type** that apply to the first selection

    See variations in **Workflow Tab Configuration**

Workflow



> SecureAuth advises configuring remote access to the SecureAuth0 realm with security best practices in mind. Recommendations are listed below, but it is the customer's responsibility to determine the best settings for their specific deployment. These recommendations do not constitute a guarantee of remote security.

Enforce full authentication requirements for every logon attempt to the Admin realm (SecureAuth0)

20. Set the **Default Workflow** to **Username | Second Factor | Password**
21. Set the **Public/Private Mode** field to **Public Mode Only**

    This forces users to authenticate fully on every logon attempt

> For all **Workflow** configuration steps, refer to **Workflow Tab Configuration**

> Click **Save** once the configurations have been completed and before leaving the **Workflow** page to avoid losing changes

Multi-Factor Methods

Multi-Factor Configuration

Phone Settings

Phone Field 1:	One-Time Passcode via Phon	*telephoneNumber*
Phone Field 2:	One-Time Passcode via Phon	*mobile*
Phone Field 3:	Disabled	*otherMobile*
Phone Field 4:	Disabled	*otherTelephone*
Phone/SMS Selected:	Voice	
Phone/SMS Visible:	True	
Default Phone Country Code:		
Phone Mask (Regex):		

Phone Number Blocking

Block phone numbers from the following sources:

- ☐ Cellular Telephones
- ☐ Landlines
- ☐ IP Phones
- ☐ Toll-free Numbers
- ☐ Premium Rate Numbers
- ☐ Pagers
- ☐ Unknown

Block phone numbers that have recently changed carriers:

- ☐ Enable
- ☐ Allow users to approve or delete a phone number that has recently changed carriers

Store carrier information in: Aux ID 2

Block or allow phone numbers by carrier or country:

- ☐ Enable block/allow list

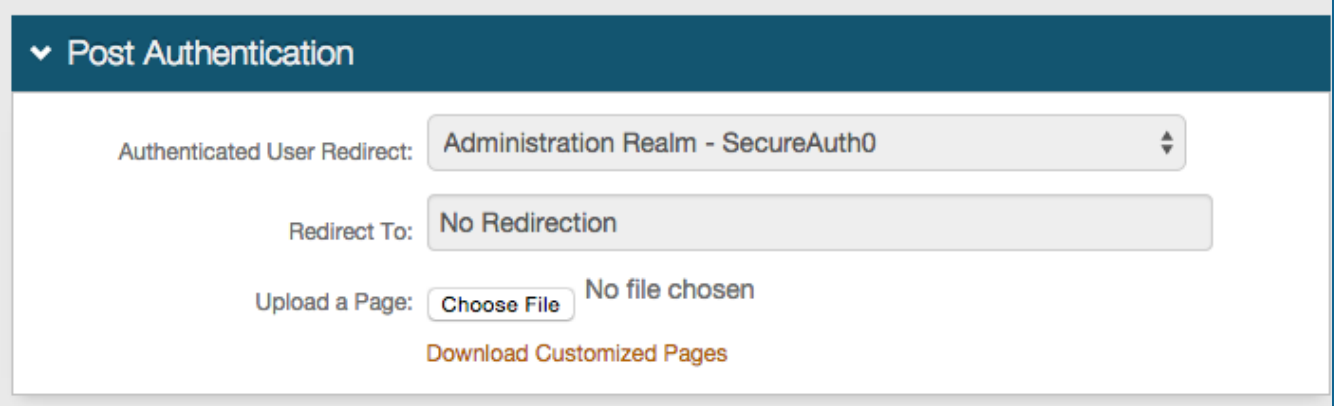
Define list of blocked/allowed numbers and carriers

22. In the **Registration Configuration** section, enable at least one of the many authentication mechanisms if a Multi-Factor Authentication **Default Workflow** is selected in the **Workflow** tab

> For all **Multi-Factor Methods** configuration steps, refer to **Multi-Factor Methods Tab Configuration**

> Click **Save** once the configurations have been completed and before leaving the **Multi-Factor Methods** page to avoid losing changes

Post Authentication



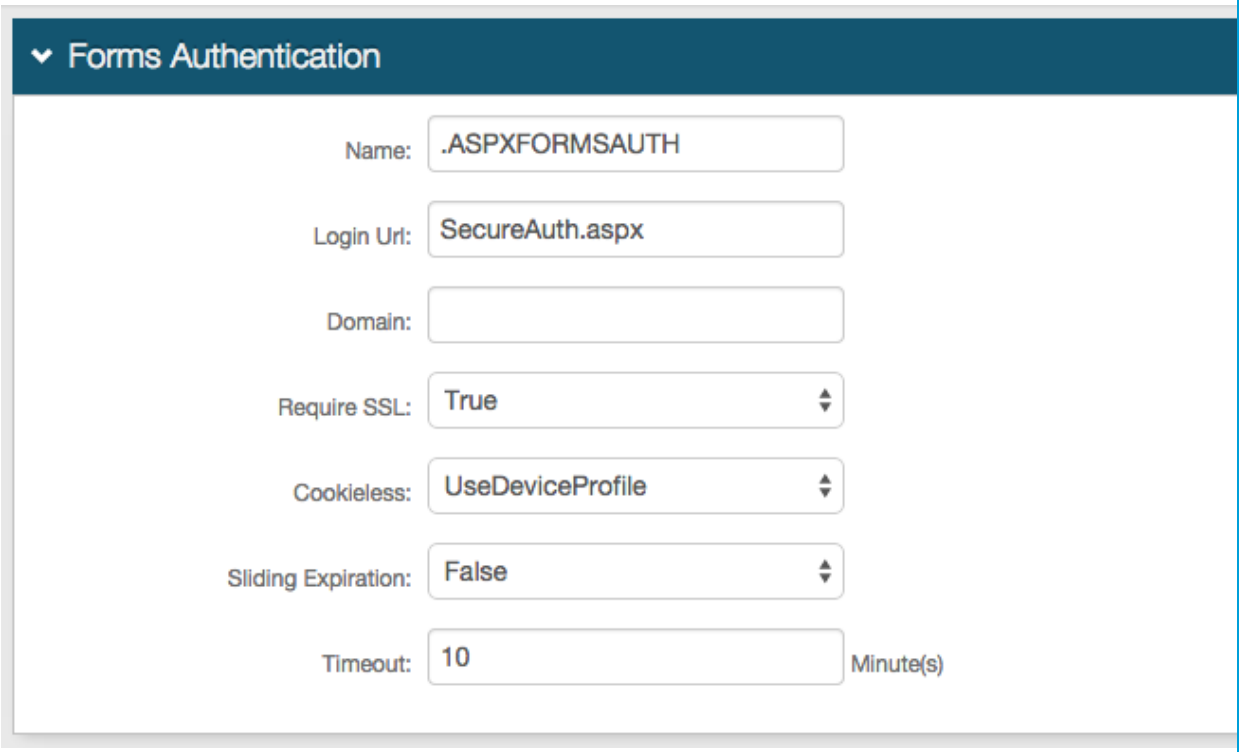
23. In the **Post Authentication** section, the **Authenticated User Redirect** and **Redirect To** fields are auto-populated

> Click **Save** once the configurations have been completed and before leaving the **Post Authentication** page to avoid losing changes

Forms Auth / SSO Token

24. (optional) Click **View and Configure FormsAuth keys / SSO token** to configure SecureAuth0's token/cookie settings

Forms Authentication



1. If SSL is required to view the token, select **True** from the **Require SSL** dropdown

2. Choose whether SecureAuth IdP will deliver the token in a cookie to the user's browser or device:

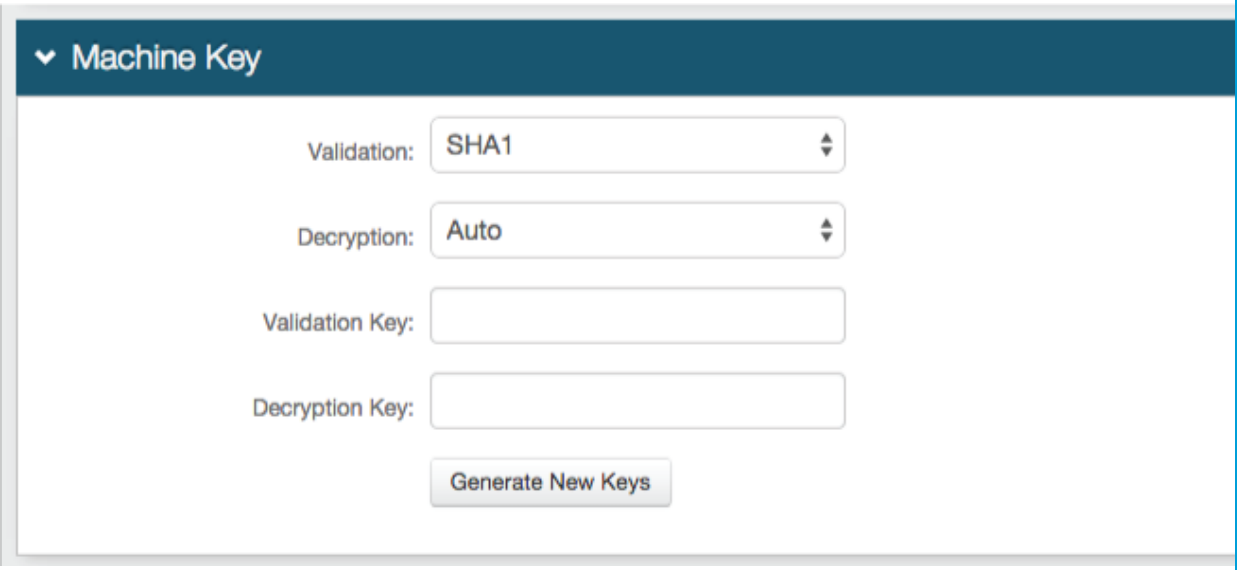
- **UseCookies** enables SecureAuth IdP to always deliver a cookie
- **UseUri** disables SecureAuth IdP to deliver a cookie, and instead deliver the token in a query string
- **AutoDetect** enables SecureAuth IdP to deliver a cookie if the user's settings allow it
- **UseDeviceProfile** enables SecureAuth IdP to deliver a cookie if the browser's settings allow it, no matter the user's settings

3. If the cookie remains valid as long as the user is interacting with the page, set the **Sliding Expiration** to **True**

4. Set the **Timeout** length to determine for how many minutes a cookie is valid

> No configuration is required for the **Name**, **Login URL**, or **Domain** fields

Machine Key



5. No changes are required in the **Validation** field unless the default value does not match the company's requirement

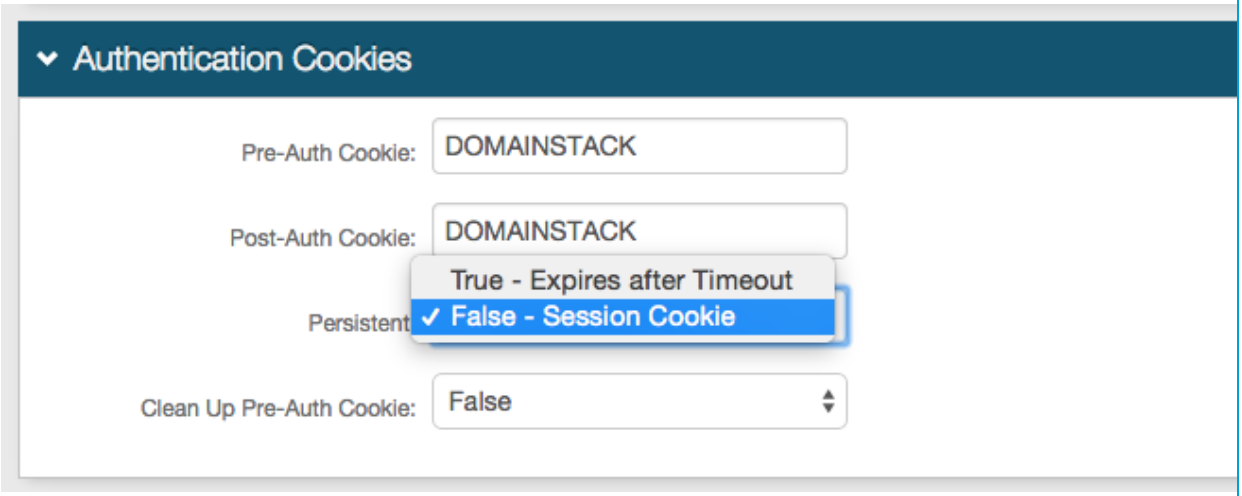
    If a different value is required, select it from the dropdown

6. No changes are required in the **Decryption** field unless the default value does not match the company's requirement

    If a different value is required, select it from the dropdown

No configuration is required for the **Validation Key** or **Decryption Key** fields

Authentication Cookies



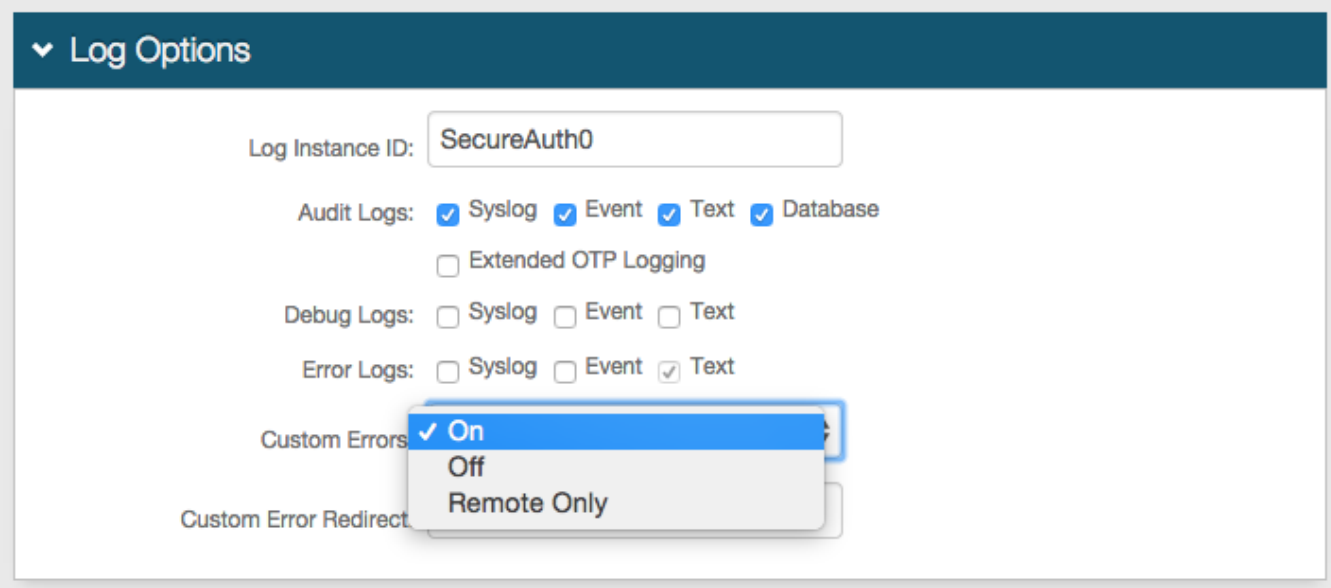
7. Enable the cookie to be **Persistent** by selecting **True - Expires after Timeout** from the dropdown.

   Selecting **False - Session Cookie** enables the cookie to be valid as long as the session is open, and will expire once the browser is closed or the session expires.

> No configuration is required for the **Pre-Auth Cookie**, **Post-Auth Cookie**, or the **Clean Up Pre-Auth Cookie** fields

> Click **Save** once the configurations are completed and before leaving the **Forms Auth / SSO Token** page to avoid losing changes

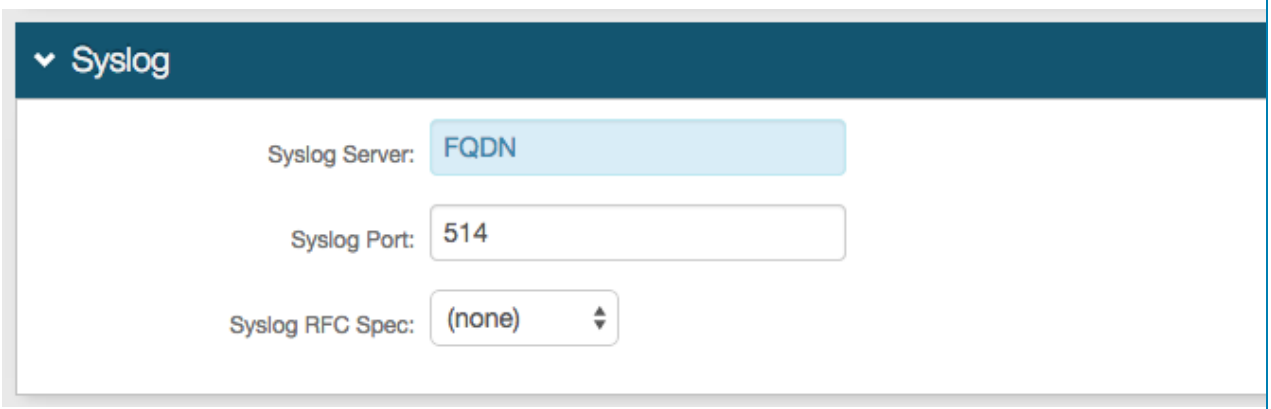
Logs



25. In the **Log Options** section, provide the **Log Instance ID**, e.g. the **Application Name** or the realm name (**SecureAuth3**)

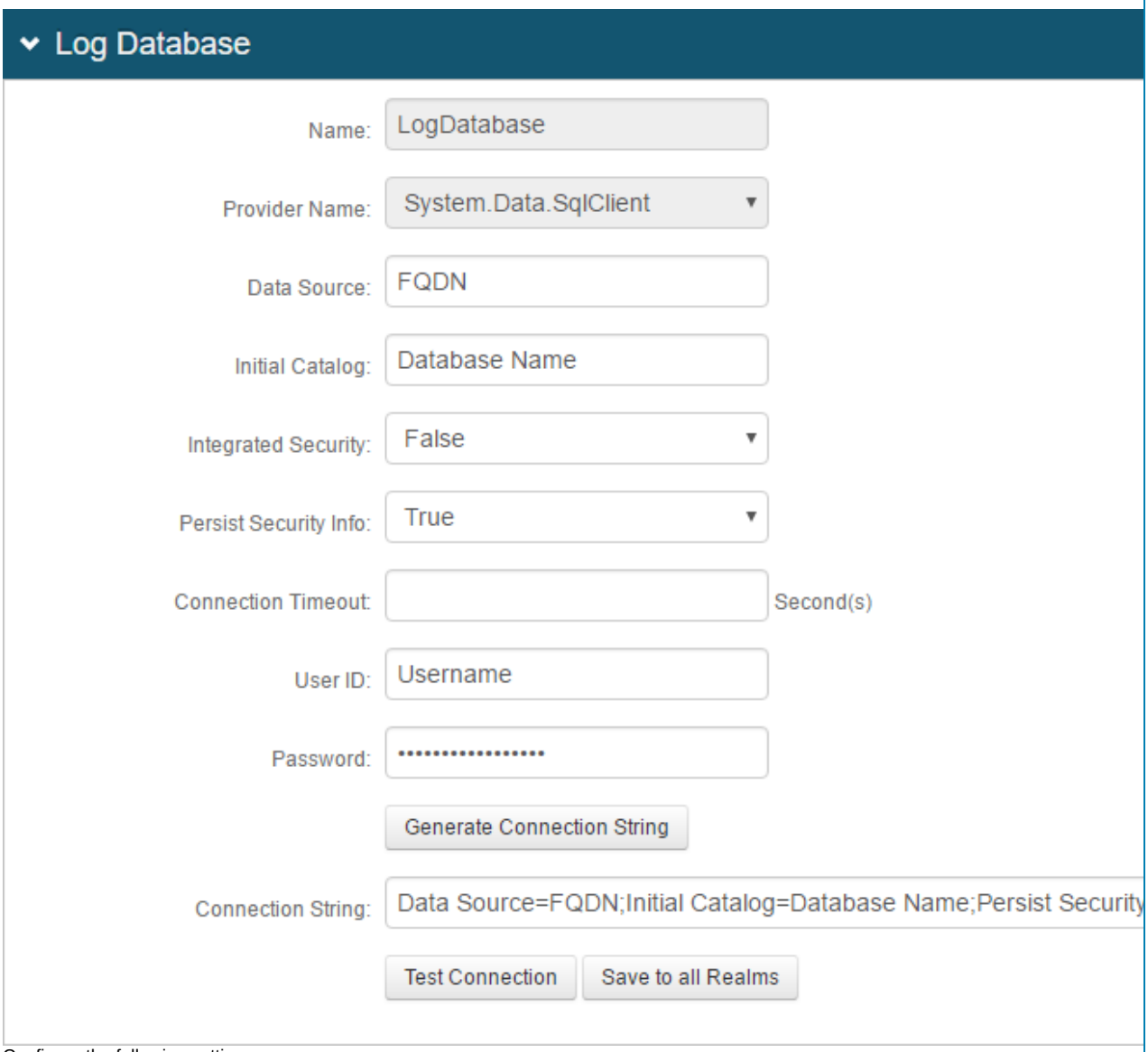
26. Check which **Audit**, **Debug**, and **Error Logs** to enable

SysLog



1. Provide the **FQDN** or **IP Address** of the **Syslog Server**
2. Provide the **SysLog Port** number

Log Database



Configure the following settings:

1. **Data Source**: Provide the **FQDN** or the **IP Address** of the database
2. **Initial Catalog**: Provide the **Database Name**
3. **Integrated Security**: If the webpage's ID is to be included in the **Connection String**, select **True**
4. **Persist Security Info**: Select **True** if access to username and password information is allowed
5. **Connection Timeout**: Set an amount of time (in seconds) before the connection times out and the admin must re-authenticate
6. **User ID**: Provide the **User Id** of the Database
7. **Password**: Provide the **Password** associated with the **User ID**
8. Click **Generate Connection String**

    The **Connection String** will auto-populate based on the previous fields

9. Click **Test Connection** to ensure that the integration is successful
10. If these Database settings are to be used in each SecureAuth IdP realm, click **Save to all Realms**

For all **Logs** configuration steps, refer to **Logs Tab Configuration**

Click **Save** once the configurations have been completed and before leaving the **Logs** page to avoid losing changes

What's Next

Move on to Web Admin Part III - Configure a Blueprint Realm to configure a realm with common settings that should be used across all realms

For further information

- Learn more about SecureAuth IdP Realms
- Refer to the SecureAuth IdP 9.1 Admin Guide for specific configuration and integration guides. Additional methods of support are listed below.

Support options

Web: https://support.secureauth.com
Phone: 949-777-6959 option 2
Support Documentation Searchable Database: https://docs.secureauth.com
SecureAuth Services Status and Notification Service: https://www.secureauth.com/Support/Current-Service-Status-and-Alerts.aspx