

SafeNet Authentication Service Integration Guide

Protecting Syncplicity with SAS



THE
DATA
PROTECTION
COMPANY

Document Information

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Contents

| | |
|---|----|
| Introduction | 4 |
| Third-Party Software Acknowledgement | 4 |
| Overview | 4 |
| Applicability | 4 |
| Resources | 4 |
| Solution Overview | 5 |
| Environment | 5 |
| Syncplicity Configuration | 6 |
| Viewing SAS SAML Settings | 6 |
| Adding SAS as an Identity Provider in Syncplicity | 7 |
| SAML Authentication Configuration in SAS | 8 |
| Preparing the Syncplicity Metadata | 8 |
| Enabling SAML User Authentication | 9 |
| Running the Solution | 12 |
| Support Contacts | 13 |

Introduction

Third-Party Software Acknowledgement

This document is intended to help users of SafeNet products when working with third-party software, such as Syncplicity.

Material from third-party software is being used solely for the purpose of making instructions clear. Screen images and content obtained from third-party software will be acknowledged as such.

Overview

This guide describes the process for enabling SafeNet Authentication Service (SAS) strong authentication with the Syncplicity cloud-based solution for file backup, sharing, and synchronization. This document assumes that the Syncplicity environment is already configured and working with 'static' passwords prior to implementing SAS strong authentication. In this document, Syncplicity for Single Sign-On (SSO) is configured using SafeNet Authentication Service for strong authentication.

Applicability

The information in this document applies to:

- SafeNet Authentication Service v3.3.2
- SafeNet Authentication Service v3.3.2 - Private Cloud Edition (PCE)

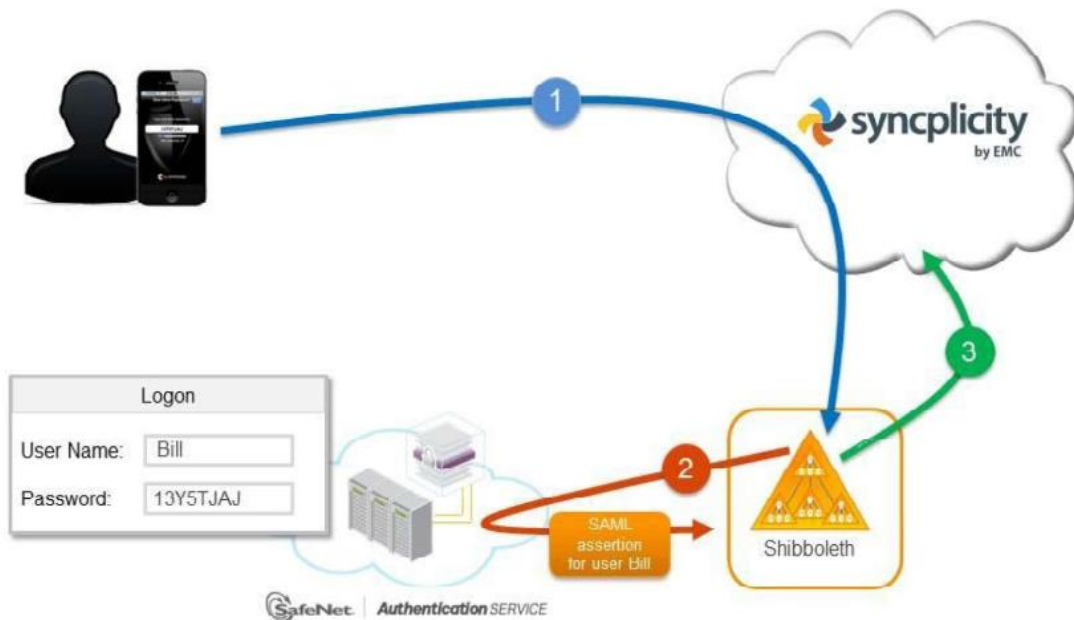
Resources

This document may refer to additional documents, all of which can be found at:

<http://www2.safenet-inc.com/sas/implementation-guides.html>

Solution Overview

Syncplicity SSO with SAS



1. Bill, a user, wants to log on to Syncplicity.
2. Shibboleth collects Bill's credentials and passes them to SafeNet Authentication Service (SAS) for authentication. SAS evaluates Bill's credentials, and returns an *accept* or *reject* response to Shibboleth.
3. Shibboleth uses the SAS response to return an *accept* or *error* assertion to Syncplicity.

Environment

| Application | Configuration |
|---------------------------------------|--|
| Syncplicity | Syncplicity Business Edition account, or higher |
| SafeNet Authentication Service v3.3.2 | SAML (Shibboleth) installed and configured on Windows Server 2008 R2 SP1 |

Adding SAS as an Identity Provider in Syncplicity

Use the SAS SAML settings to configure Syncplicity.

To add SAS as an Identity Provider in Syncplicity:

1. Log in as an administrator to Syncplicity.
2. On the **Manage Policies and Settings** window, in the left pane, click **Configure authentication settings**.



(The screen image above is from Syncplicity software. Trademarks are the property of their respective owners.)

3. On the **Configure Authentication Settings** window, complete the following fields:

| | |
|--------------------------------------|--|
| Custom Domain | Enter a value to create a custom domain for your users to log in to. |
| Single Sign-On Status | Select Enabled . |
| Entity ID | Enter the Entity ID value displayed in the SAS console. |
| Sign-in page URL | Copy the Identity Provider HTTP-Redirect login URL value displayed in the SAS console. |
| Logout page URL | Copy the Identity Provider logout URL value displayed in the SAS console. |
| Identity Provider Certificate | Browse to the .pem certificate saved in step 3 of "Viewing SAS SAML Settings" on page 6, and then click Open . |

(The screen image above is from Syncplicity software. Trademarks are the property of their respective owners.)

4. Click **Save Changes**. SAS is now set as an identity provider in Syncplicity.

SAML Authentication Configuration in SAS

Before configuring your Syncplicity instance as a SAML Service Provider in SafeNet Authentication Service, ensure that your SAS virtual server is populated with your organization's user accounts. You can add user accounts to your SAS virtual server in any of the following ways:

- **Manually**—one user at a time, using the **Create User** shortcut.
- **Manually**—by importing one or more user records using a flat file.
- **Automatically**—by synchronizing with your Active Directory/LDAP server using the SAS LDAP Synchronization Agent.

For further information on adding users to your SAS virtual server, refer to SafeNet Authentication Service documentation at the following location: <http://www2.safenet-inc.com/sas/implementation-guides.html>

Preparing the Syncplicity Metadata

To prepare a Syncplicity metadata file for SAML authentication configuration:

1. Open the token-signing certificate sent to you by Syncplicity. If you have not received this from Syncplicity, contact Syncplicity support.

- Use the following template to create a Syncplicity metadata file, and then save the file :

```
<?xml version="1.0" encoding="UTF-8"?><md:EntityDescriptor xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata"
entityID="https://<your-custom-subdomain>.syncplicity.com/sp" validUntil="2050-01-09T16:47:42.447Z">
<md:SPSSODescriptor AuthnRequestsSigned="true" WantAssertionsSigned="true"
protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
<md:KeyDescriptor use="signing">
<ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
<ds:X509Data>
<ds:X509Certificate>
MIIIGwjCCBaqqAwIBAgIQB3tE1rMrYkwvrXwdCfnv6TANBgkqhkiG9w0BAQUFADBm
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
....
</ds:X509Certificate>
</ds:X509Data>
</ds:KeyInfo>
</md:KeyDescriptor>
<md:NameIDFormat>urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress</md:NameIDFormat>
<md:AssertionConsumerService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" Location="https://<your-custom-
subdomain>.syncplicity.com/Auth/AssertionConsumerService.aspx" index="0" isDefault="true"/>
</md:SPSSODescriptor>
</md:EntityDescriptor>
```

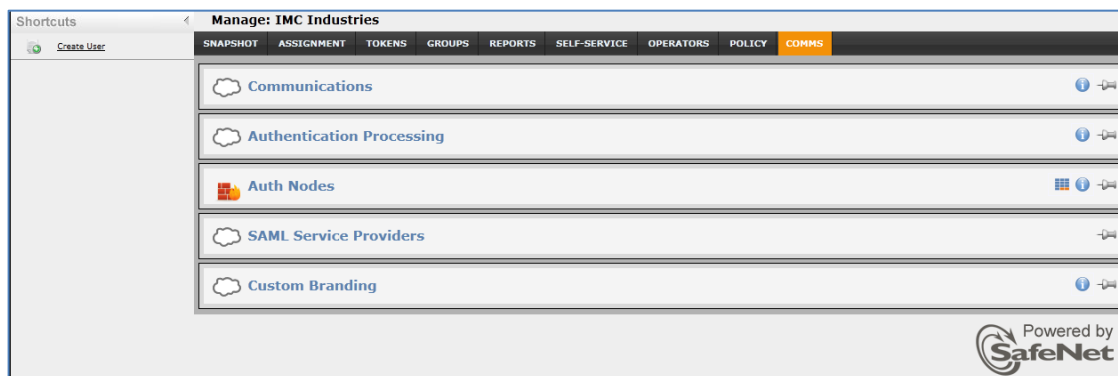
- Edit the values marked in red, replacing **<your-custom-subdomain>.syncplicity.com** with your users' complete logon domain defined in step 3 of "Adding SAS as an Identity Provider in Syncplicity" on page 7.
- Replace the values marked in green with the content of your Syncplicity token-signing certificate.

Enabling SAML User Authentication

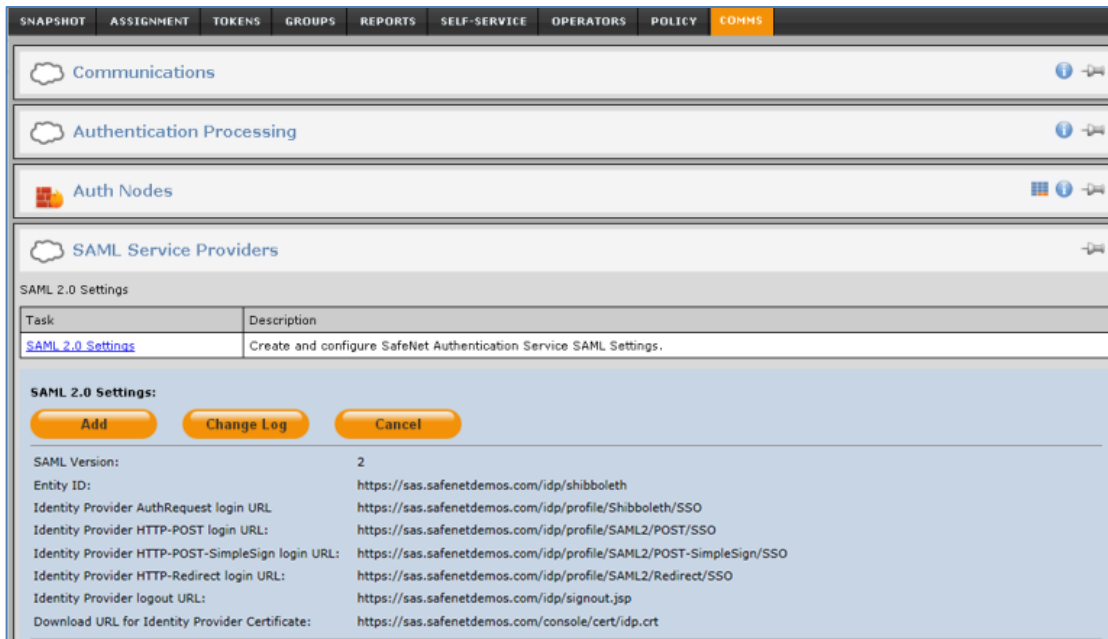
In this section, you will enable users to authenticate against the Syncplicity service provider.

To enable SAML authentication for Syncplicity for SAS users:

- In the SAS console, click **VIRTUAL SERVER > COMMS**.

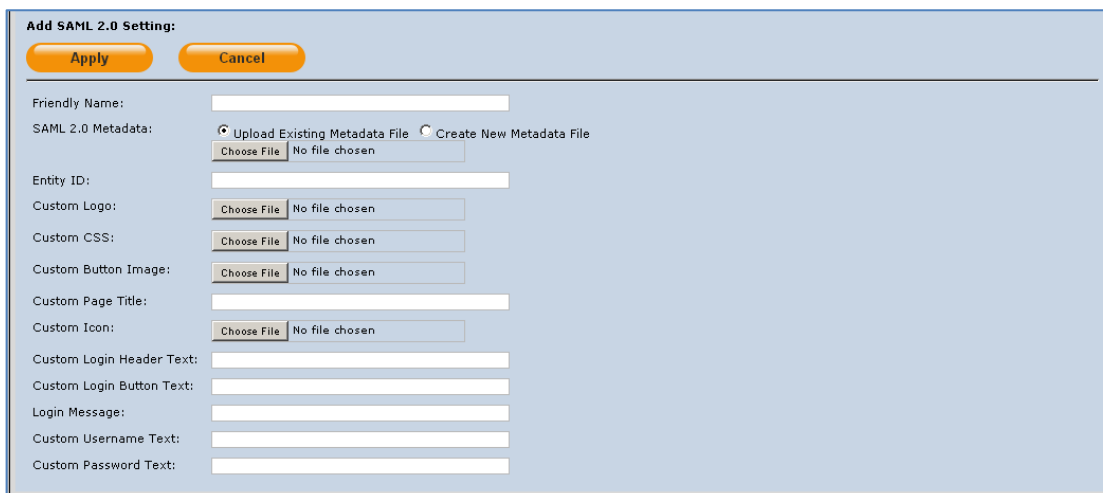


- Under **SAML Service Providers**, click **SAML 2.0 Settings**.



- Click **Add** to add a new service provider.
- On the **Add SAML 2.0 Settings** window, complete the following fields:

| | |
|--------------------------|--|
| Friendly Name | Enter a name for the Syncplicity service provider. |
| SAML 2.0 Metadata | Select Upload Existing Metadata File , and click Choose File . Select the Syncplicity metadata file created in step 2 of “Preparing the Syncplicity Metadata” on page 8, and then click Open . |



- Click **Apply**. Syncplicity is added as a SAML service provider.

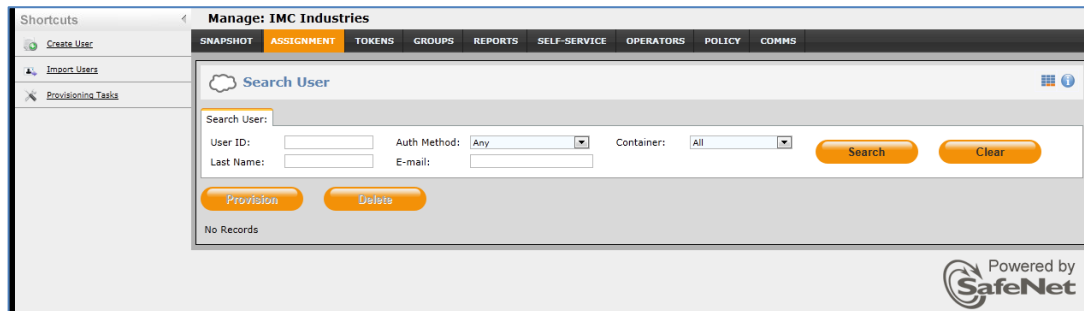


NOTE: The following steps associate an individual user with the SAML service provider. Instead of performing this process manually per user as described below, you can use a SAML provisioning rule to automatically associate a group of users to the SAML service provider.

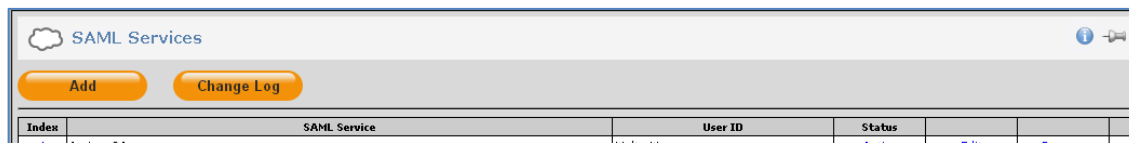
For more information on using SAML provisioning rules, see the SAS Administration Guide. SafeNet Authentication Service documentation can be found at the following location:

<http://www2.safenet-inc.com/sas/implementation-guides.html>

6. Click **Virtual Server > ASSIGNMENT**.
7. Search for the user for whom to enable SAML authentication to Syncplicity and select their **User ID**.

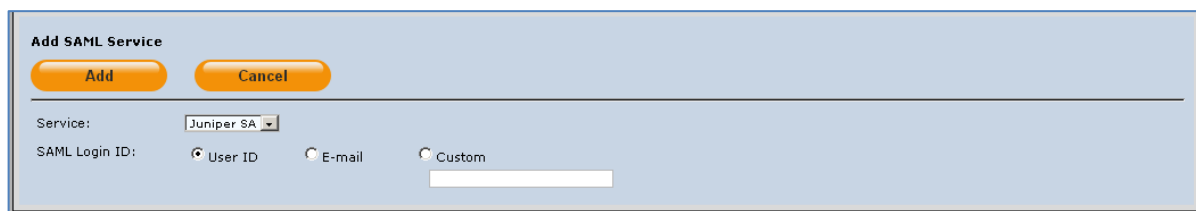


8. On the **Assignment** window, select **SAML Services**.



9. Click **Add**.

| | |
|----------------------|---|
| Service | Select the Syncplicity service provider's Friendly Name created in step 4 above. |
| SAML Login ID | Select Email . |

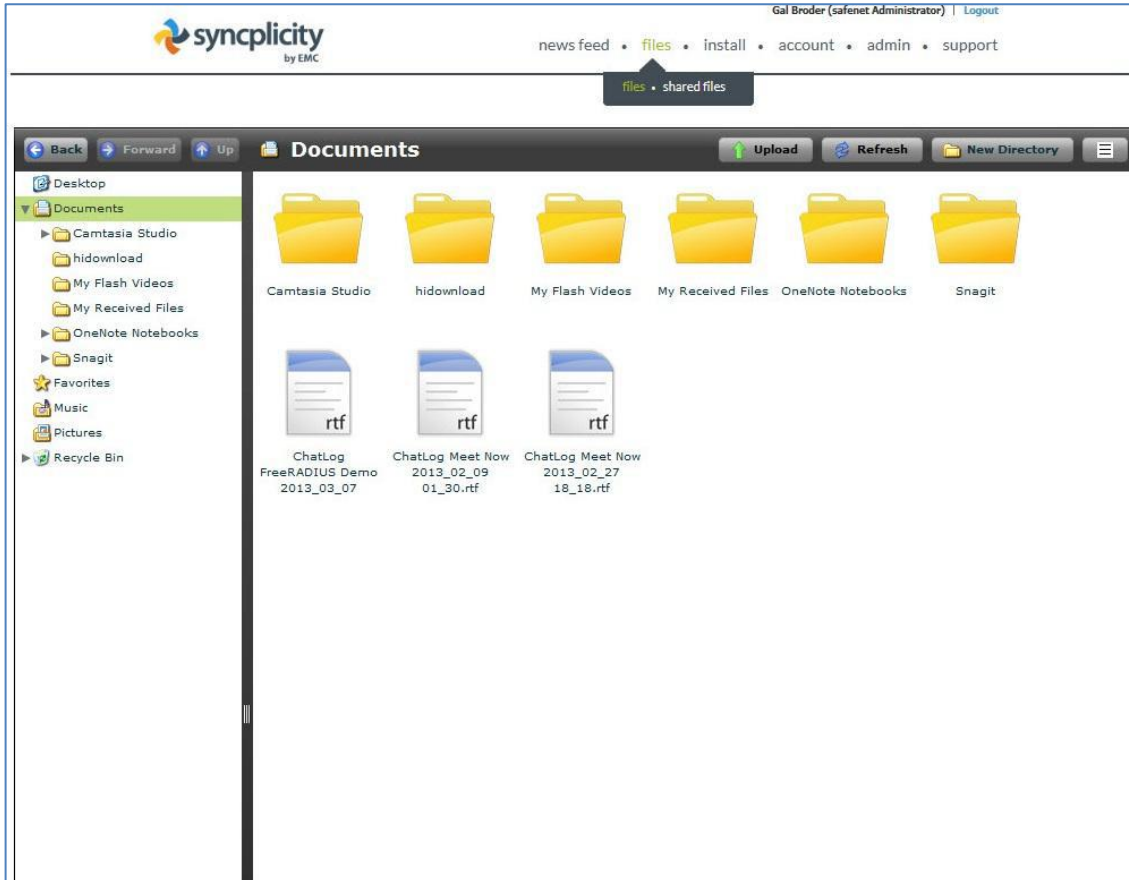


10. Click **Add**. The new service provider's name is displayed as the user's SAML service provider.

Running the Solution

To log on to your Syncplicity environment:

1. Browse to **https://<your-custom-subdomain>.syncplicity.com**, where **<your-custom-subdomain>.syncplicity.com** is the complete logon domain defined in step 3 of “Adding SAS as an Identity Provider in Syncplicity” on page 7. You are redirected to the SAS **Login** page.
2. Enter your SAS credentials and then click **Login**. You are logged in to your Syncplicity portal.



(The screen image above is from Syncplicity software. Trademarks are the property of their respective owners.)

Support Contacts

If you encounter a problem while installing, registering, or operating this product, please make sure that you have read the documentation. If you cannot resolve the issue, contact your supplier or SafeNet Customer Support. SafeNet Customer Support operates 24 hours a day, 7 days a week. Your level of access to this service is governed by the support plan arrangements made between SafeNet and your organization. Please consult this support plan for further information about your entitlements, including the hours when phone support is available to you.

Table 1: Support Contacts

| Contact Method | Contact Information | |
|-----------------------------------|---|----------------|
| Address | SafeNet, Inc. 4690 Millennium Drive Belcamp, Maryland 21017 USA | |
| Phone | United States | 1-800-545-6608 |
| | International | 1-410-931-7520 |
| Technical Support Customer Portal | https://serviceportal.safenet-inc.com Existing customers with a Technical Support Customer Portal account can log in to manage incidents, get the latest software upgrades, and access the SafeNet Knowledge Base. | |