



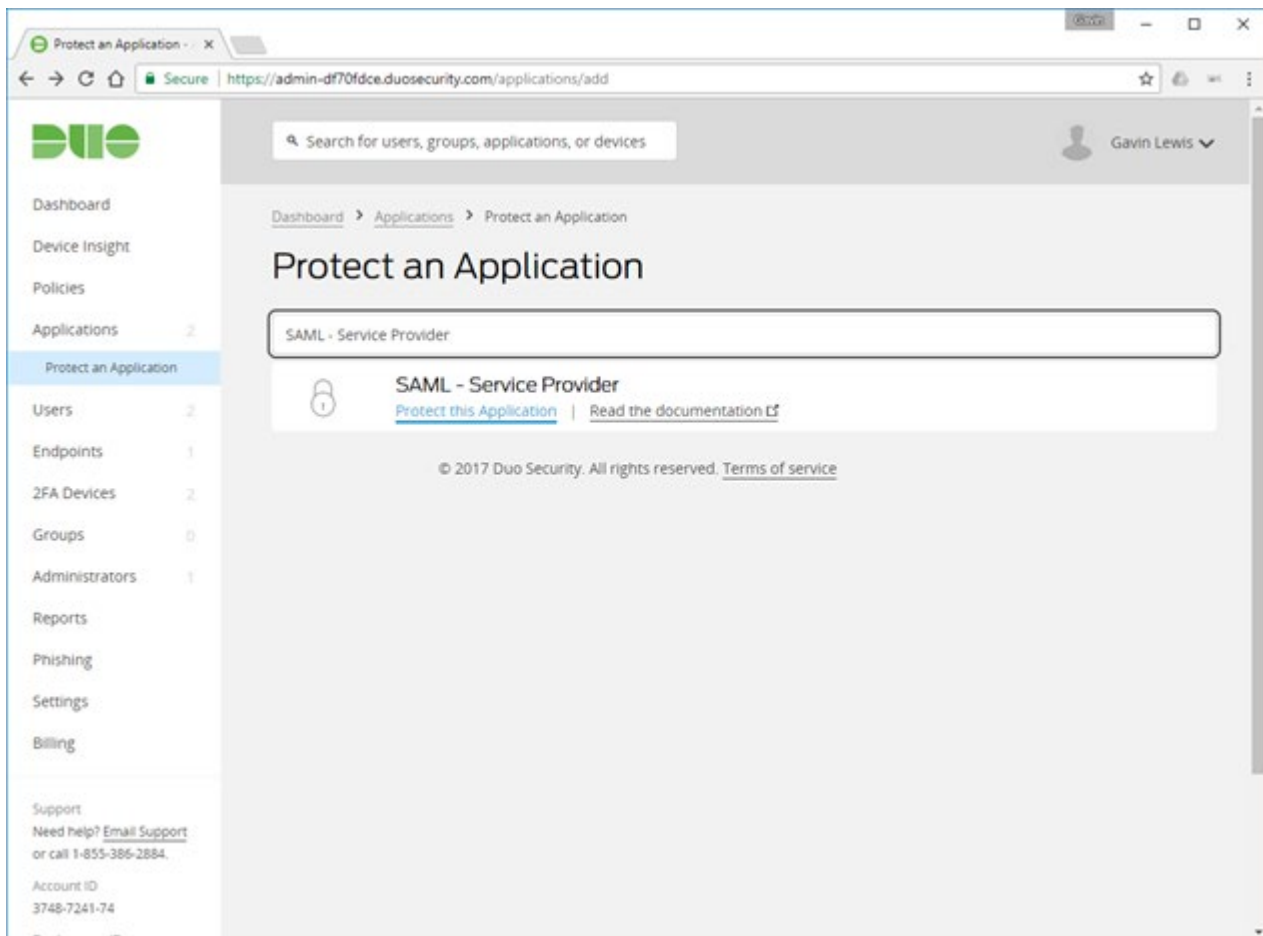
GREENORBIT TECHNICAL GUIDE

# Integrate GreenOrbit with DUO

## INTEGRATE GO WITH DUO

Note: This guide assumes that DUO ([www.duo.com](http://www.duo.com)) is already implemented for your company and you have already installed the DUO access gateway in your DMZ or Perimeter network. This also assumes that the mail, givenName and sn attributes have been configured for your Active Directory source.

1. Log into your DUO account on [www.duo.com](http://www.duo.com) and navigate to the “Applications Tab” and click the button to “Protect an Application”. Here you will be given the option to find your provider, search for “SAML - Service Provider” and then click “Protect this application”



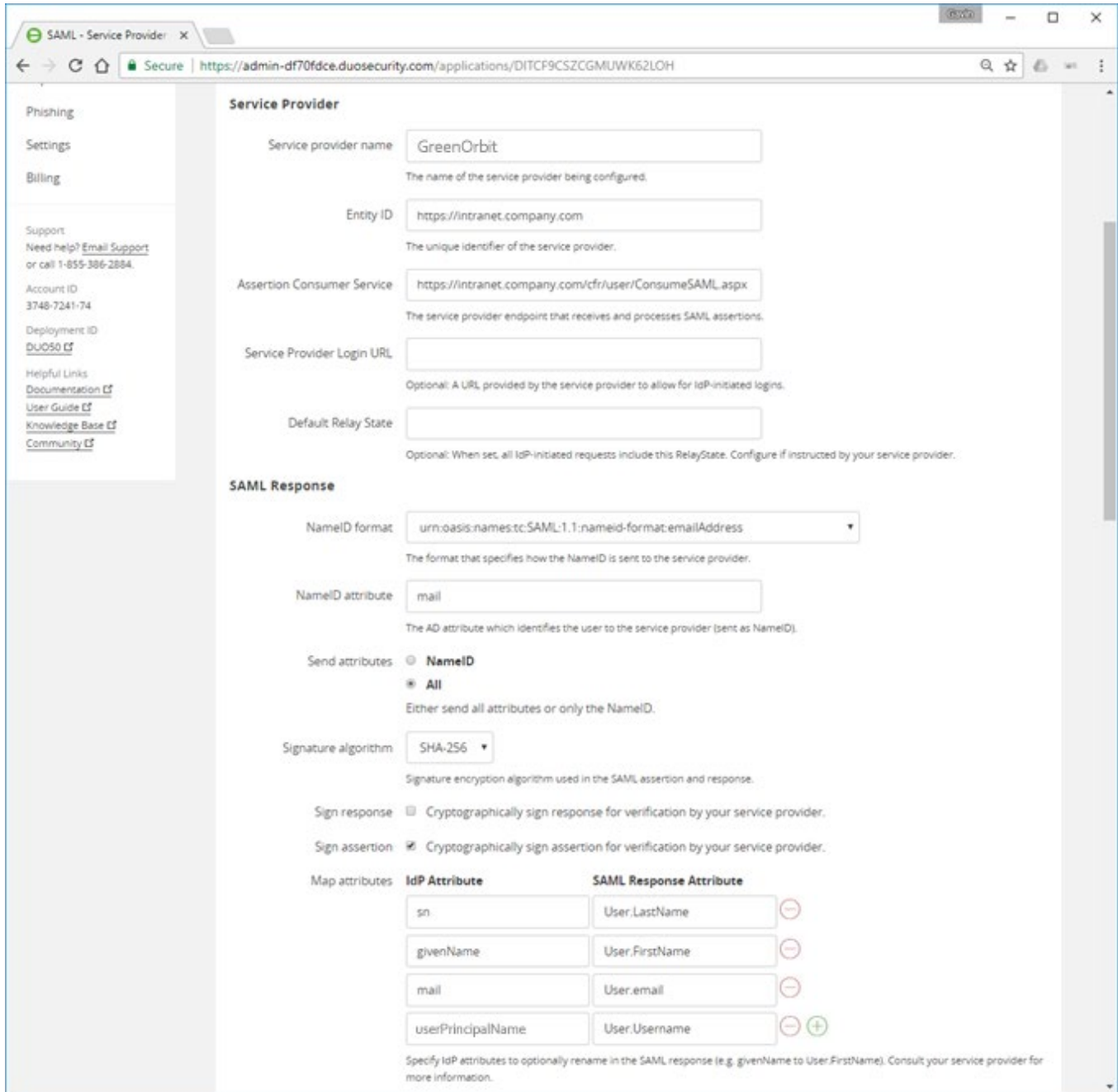
2. Here we need to give DUO information about your GO implementation. Complete the fields as following leaving all other values not mentioned as blank or default.

**a. Service Provider**

- i. **Service Provider Name:** GreenOrbit
- ii. **Entity ID:** <https://intranet.company.com> (your company intranet URL)
- iii. **Assertion Consumer Service:** <https://intranet.company.com/cfr/user/ConsumeSAML.aspx>

**b. SAML Response**

- i. **NameID format:** urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress
- ii. **NameID attribute:** mail
- iii. **Send attributes:** All
- iv. **Signature algorithm:** SHA-256
- v. **Sign response:** false
- vi. **Sign assertion:** true
- vii. **Map attributes:**
  - 1. sn = User.LastName
  - 2. givenName = User.FirstName
  - 3. mail = User.email
  - 4. userPrincipalName = User.Username



The screenshot shows the Duo Security admin console interface for configuring a SAML service provider. The browser address bar shows the URL: `https://admin-df70fdce.duosecurity.com/applications/DITCF9CSZCGMUWK62LOH`. The page is titled "SAML - Service Provider".

**Service Provider Configuration:**

- Service provider name:** GreenOrbit
- Entity ID:** `https://intranet.company.com`
- Assertion Consumer Service:** `https://intranet.company.com/cfr/user/ConsumeSAML.aspx`
- Service Provider Login URL:** (Empty field)
- Default Relay State:** (Empty field)

**SAML Response Configuration:**

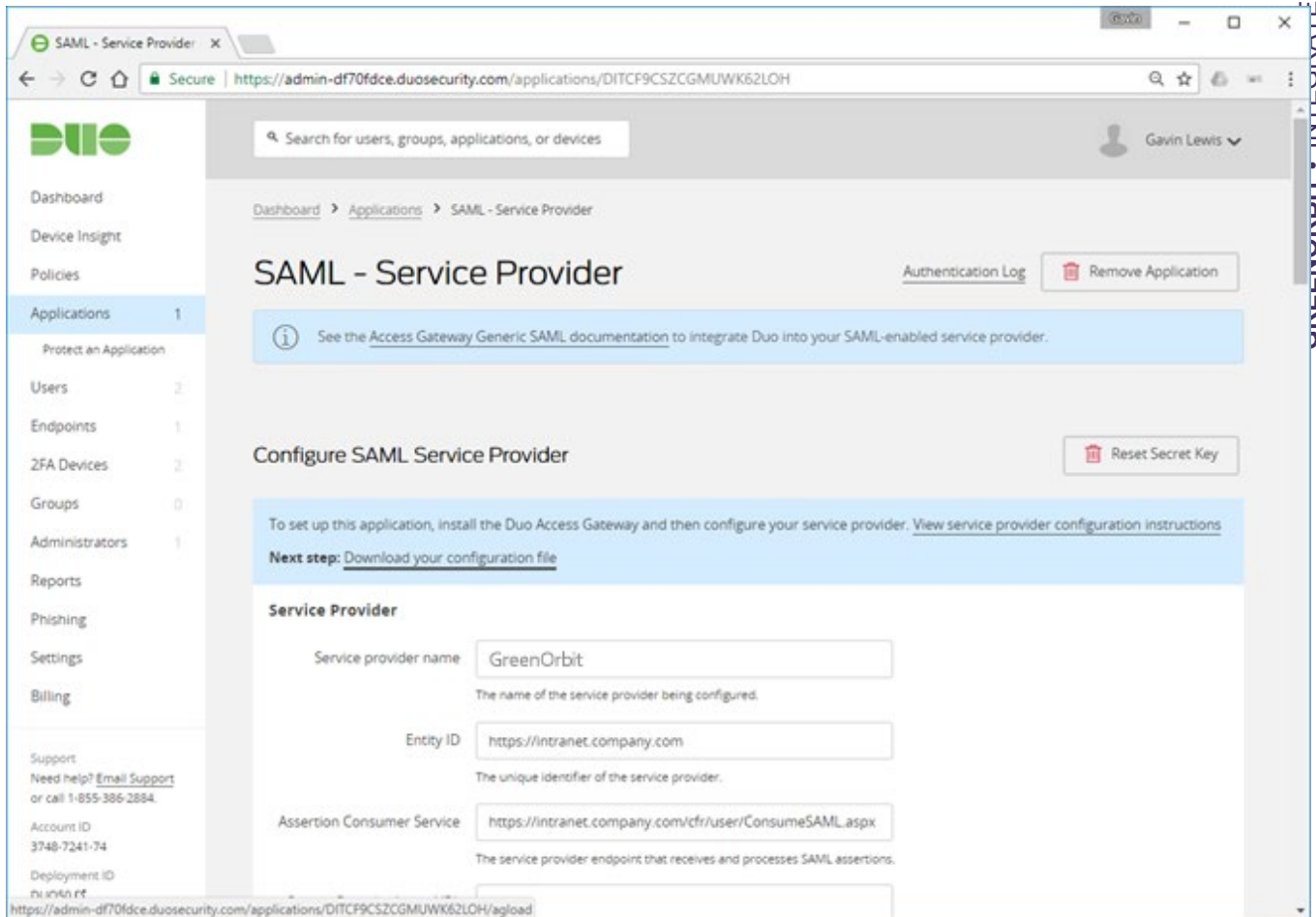
- NameID format:** `urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress`
- NameID attribute:** mail
- Send attributes:**  All
- Signature algorithm:** SHA-256
- Sign response:**  Cryptographically sign response for verification by your service provider.
- Sign assertion:**  Cryptographically sign assertion for verification by your service provider.

**Map attributes:**

IdP Attribute	SAML Response Attribute
sn	User.LastName
givenName	User.FirstName
mail	User.email
userPrincipalName	User.Username

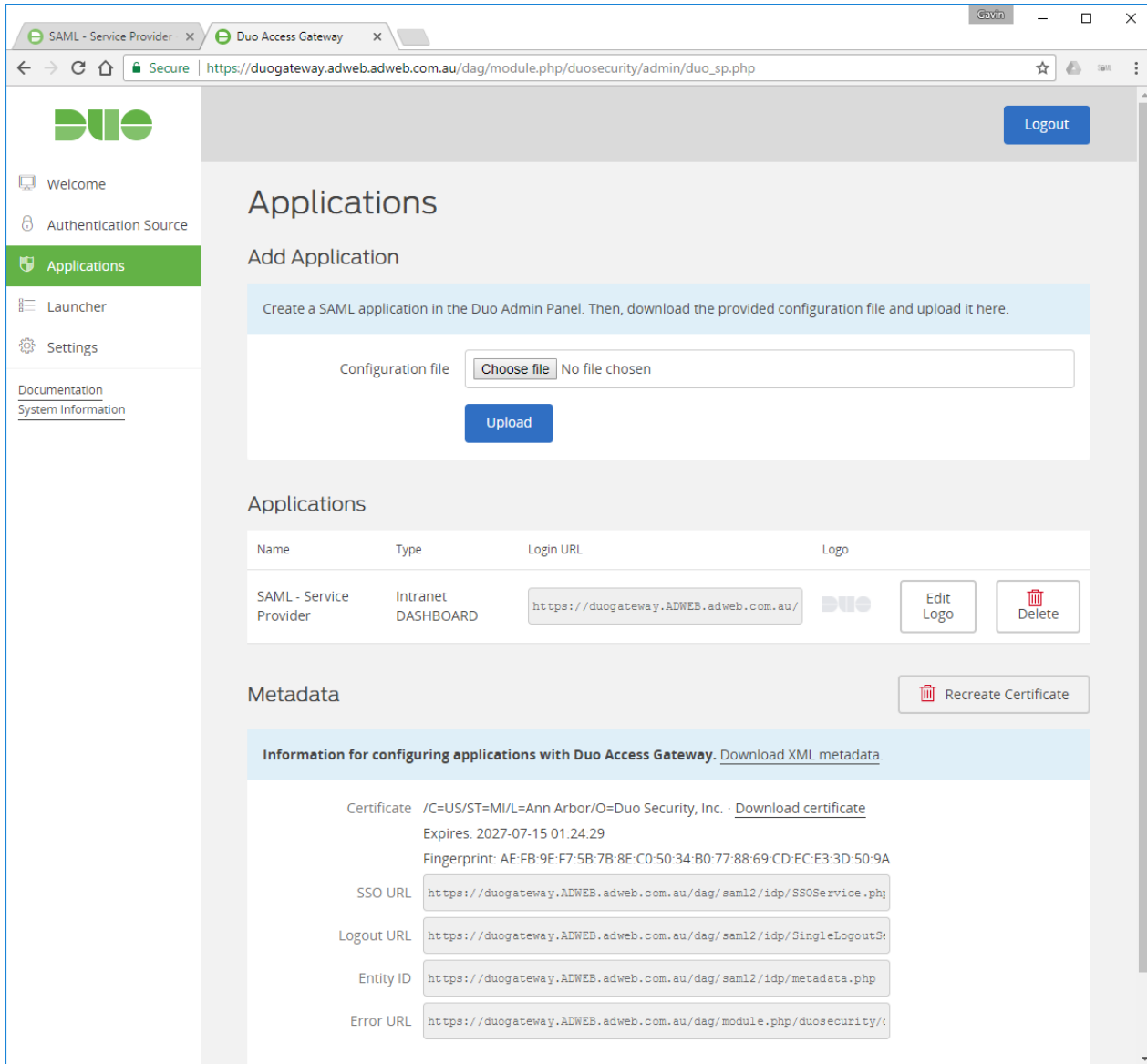
Specify IdP attributes to optionally rename in the SAML response (e.g. givenName to User.FirstName). Consult your service provider for more information.

3. After the configuration has been completed, save your changes and go back to the top of the “Configure SAML Service Provider” page and “Download your configuration file”. This file is used to deploy onto your Duo Access Gateway.




4. Login to your Duo Access Gateway and select “Applications” from the menu. Here you need to select and upload the file you downloaded from Duo. Once uploaded, you will see GreenOrbit as an application in the list of applications.

Download a copy of the certificate and take note of the “Login URL” provided for the application.



The screenshot shows the Duo Admin Panel interface. The left sidebar contains navigation options: Welcome, Authentication Source, Applications (highlighted), Launcher, Settings, Documentation, and System Information. The main content area is titled 'Applications' and includes a 'Logout' button in the top right. Below the title is an 'Add Application' section with a light blue instruction box: 'Create a SAML application in the Duo Admin Panel. Then, download the provided configuration file and upload it here.' This is followed by a 'Configuration file' input field with a 'Choose file' button and 'No file chosen' text, and an 'Upload' button. Below this is a table of existing applications:

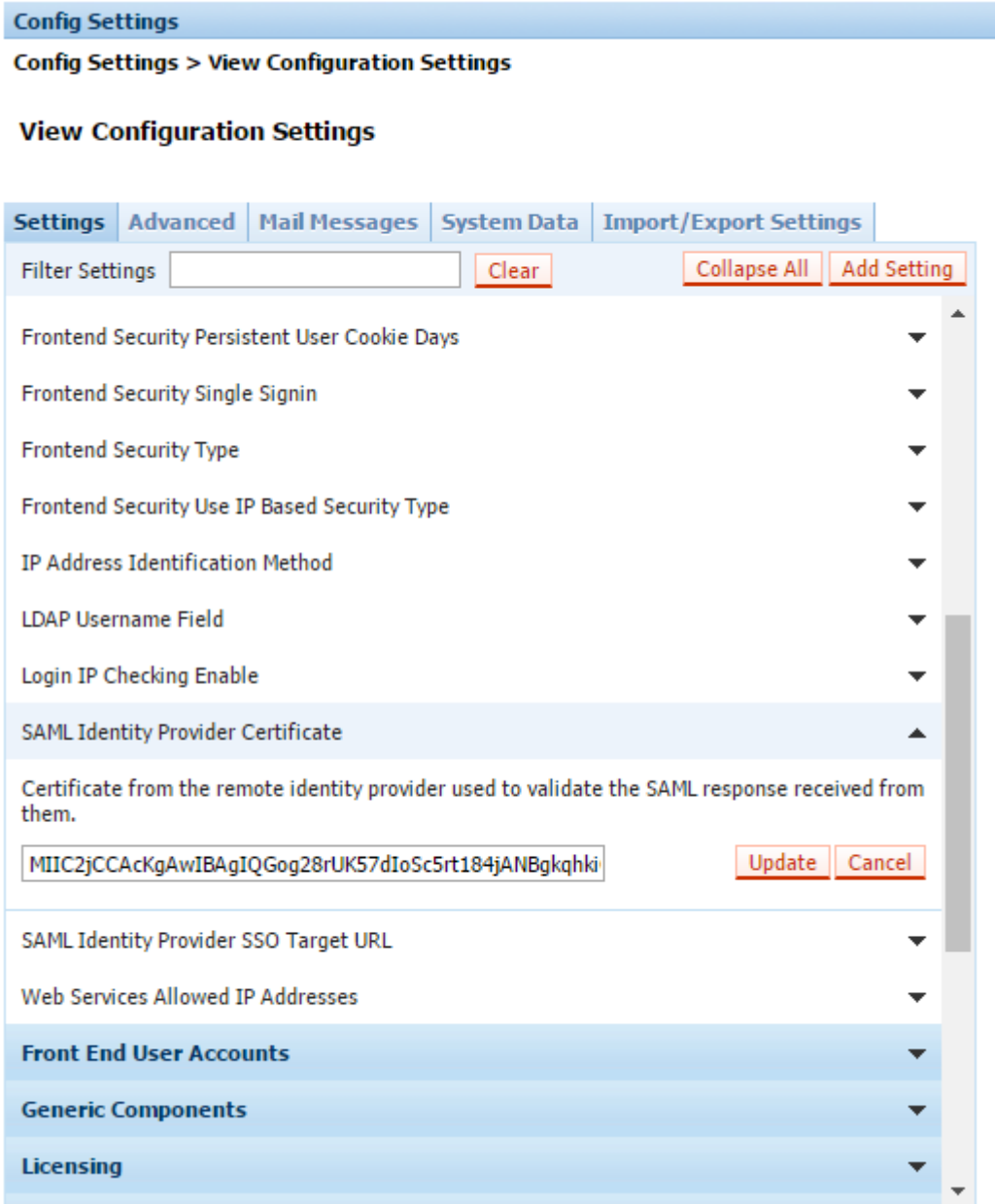
Name	Type	Login URL	Logo		
SAML - Service Provider	Intranet DASHBOARD	https://duogateway.ADWEB.adweb.com.au/		Edit Logo	Delete

Below the table is a 'Metadata' section with a 'Recreate Certificate' button. A light blue box contains the text: 'Information for configuring applications with Duo Access Gateway. Download XML metadata.' Below this, several configuration details are listed:

- Certificate: /C=US/ST=MI/L=Ann Arbor/O=Duo Security, Inc. · [Download certificate](#)
- Expires: 2027-07-15 01:24:29
- Fingerprint: AE:FB:9E:F7:5B:7B:8E:C0:50:34:B0:77:88:69:CD:EC:E3:3D:50:9A
- SSO URL: <https://duogateway.ADWEB.adweb.com.au/dag/saml2/idp/SSOService.php>
- Logout URL: <https://duogateway.ADWEB.adweb.com.au/dag/saml2/idp/SingleLogoutService.php>
- Entity ID: <https://duogateway.ADWEB.adweb.com.au/dag/saml2/idp/metadata.php>
- Error URL: <https://duogateway.ADWEB.adweb.com.au/dag/module.php/duosecurity/duosecurity.php>

5. Login to your GO Administration interface and navigate to *Utilities > Config Settings* and find the setting called *SAML Identity Provider Certificate* and paste the certificate string into the text field and choose *Update*.

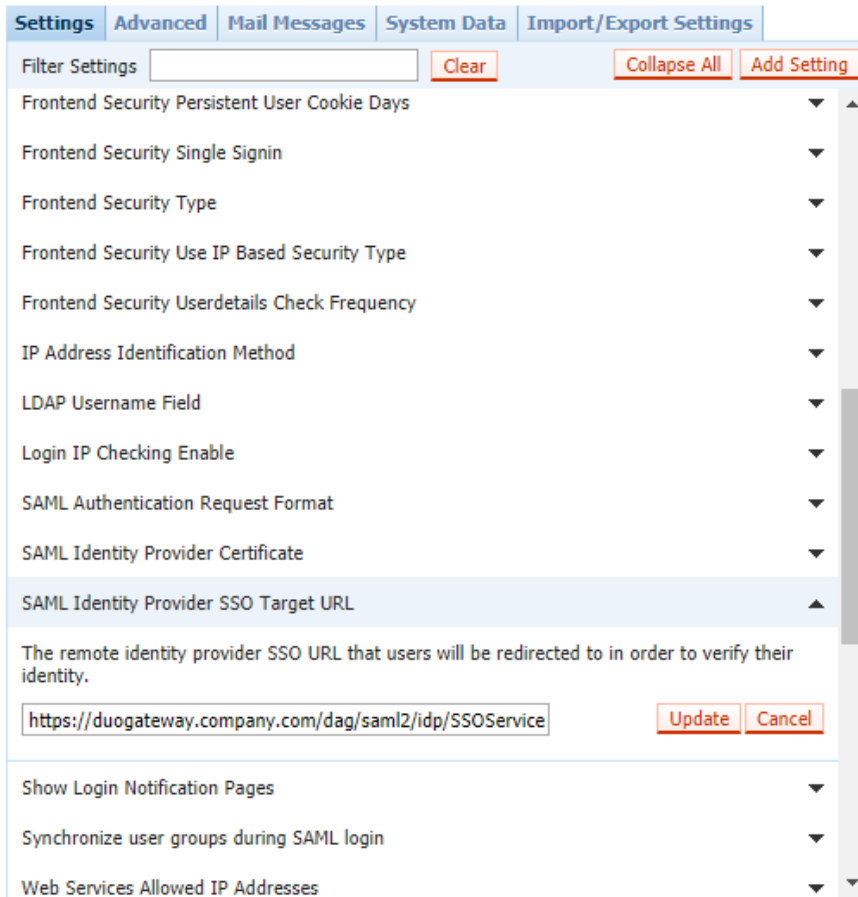
Ensure you do not include the Begin or End certification sections and there are no spaces in the certificate string.



The screenshot displays the 'Config Settings' page in the GreenOrbit administration interface. The page title is 'Config Settings > View Configuration Settings'. Below the title, there is a section for 'View Configuration Settings' with tabs for 'Settings', 'Advanced', 'Mail Messages', 'System Data', and 'Import/Export Settings'. The 'Settings' tab is active, showing a list of configuration items. The 'SAML Identity Provider Certificate' setting is expanded, showing a text input field containing the certificate string: 'MIIC2jCCAcKgAwIBAgIQGog28rUK57dIoSc5rt184jANBgkqhki'. There are 'Update' and 'Cancel' buttons next to the input field. Other settings listed include 'Frontend Security Persistent User Cookie Days', 'Frontend Security Single Signin', 'Frontend Security Type', 'Frontend Security Use IP Based Security Type', 'IP Address Identification Method', 'LDAP Username Field', 'Login IP Checking Enable', 'SAML Identity Provider SSO Target URL', 'Web Services Allowed IP Addresses', 'Front End User Accounts', 'Generic Components', and 'Licensing'.

- Now select the Config Setting *SAML Identity Provider SSO Target URL*, this is the SSO URL from Duo for your application. eg:

<https://duo.company.com/dag/saml2/idp/SSOService.php?spentityid=https://intranet.company.com>

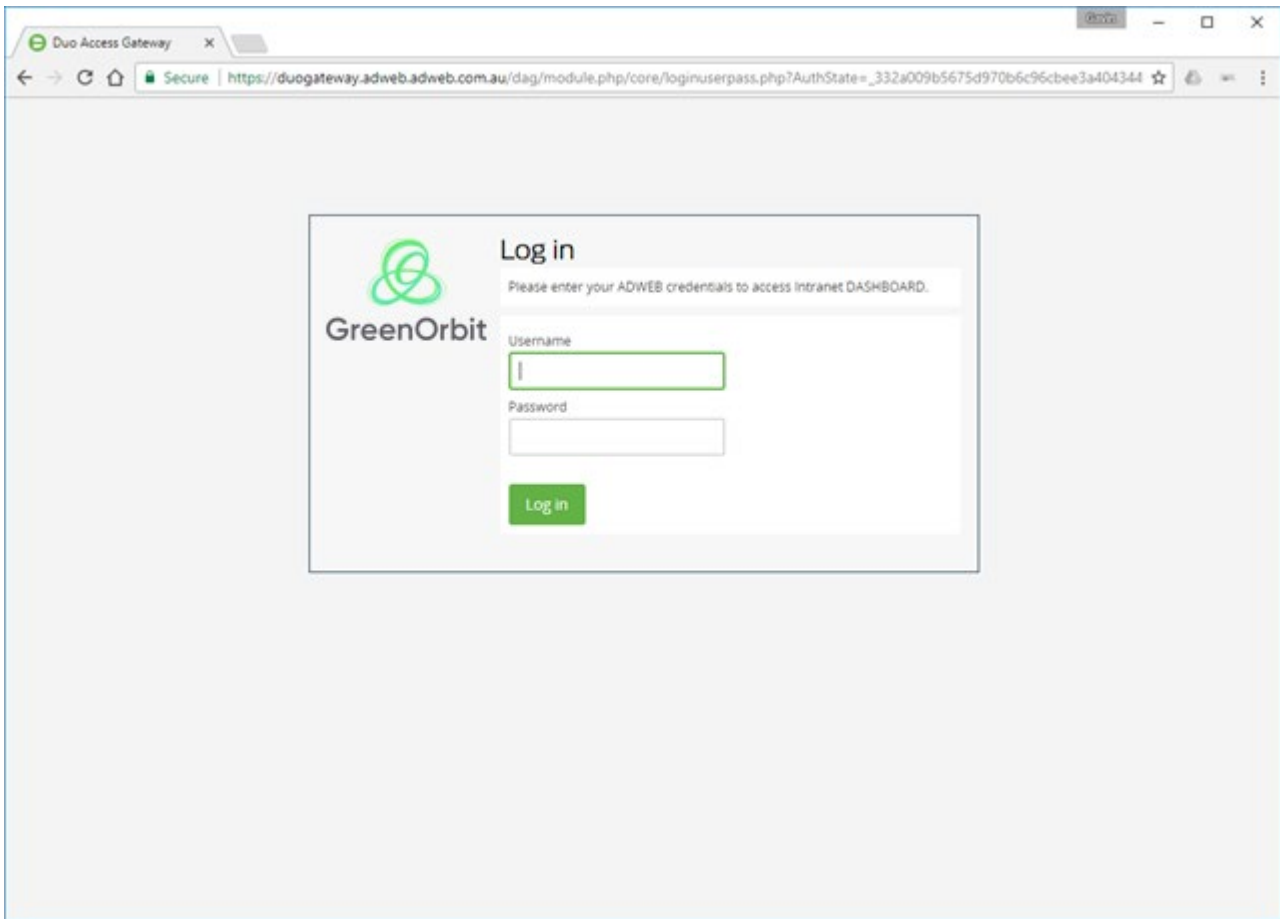


The screenshot shows the 'Settings' tab in the GreenOrbit administration interface. The 'Import/Export Settings' sub-tab is active. A list of settings is displayed, with 'SAML Identity Provider SSO Target URL' selected and highlighted in blue. Below this setting, a text input field contains the URL 'https://duogateway.company.com/dag/saml2/idp/SSOService', and 'Update' and 'Cancel' buttons are visible to its right. Other settings in the list include 'Frontend Security Persistent User Cookie Days', 'Frontend Security Single Signin', 'Frontend Security Type', 'Frontend Security Use IP Based Security Type', 'Frontend Security Userdetails Check Frequency', 'IP Address Identification Method', 'LDAP Username Field', 'Login IP Checking Enable', 'SAML Authentication Request Format', 'SAML Identity Provider Certificate', 'Show Login Notification Pages', 'Synchronize user groups during SAML login', and 'Web Services Allowed IP Addresses'.

- If you haven't already done so, also change the Frontend Security Type to *Login using SAML*. Follow the guide on our help site to learn how to do this:

<http://help.intranetdashboard.com/systemadmin/Security/ChangingtheFrontendSecurityType.html>

- Now when accessing your intranet address, eg <https://intranet.yourcompany.com> you'll be redirected to authenticate by Duo prior to being logged into the site.





## ADDITIONAL INFORMATION

If you have been unsuccessful configuring Duo to act as an SAML Identity Provider for GO, please reach out to our support team at [support@greenorbit.com](mailto:support@greenorbit.com).