# Token encryption in Microsoft Azure SSO with Ezeelogin

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## How to enable token encryption in Microsoft Azure for SAML authentication?

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**Overview:** This article helps to enable token encryption in Microsoft Azure for SAML authetication.

Refer article to integrate Microsoft Azure SSO authentication in Ezeelogin.

**Step 1:** Create a new private key

```
root@gateway:~# openssl genrsa -out key_name.key key_strength

EXAMPLE

root@gateway:~# openssl genrsa -out private_key.key 2048
```

**Step 2:** Generate a certificate signing request (CSR) associated with your private key.

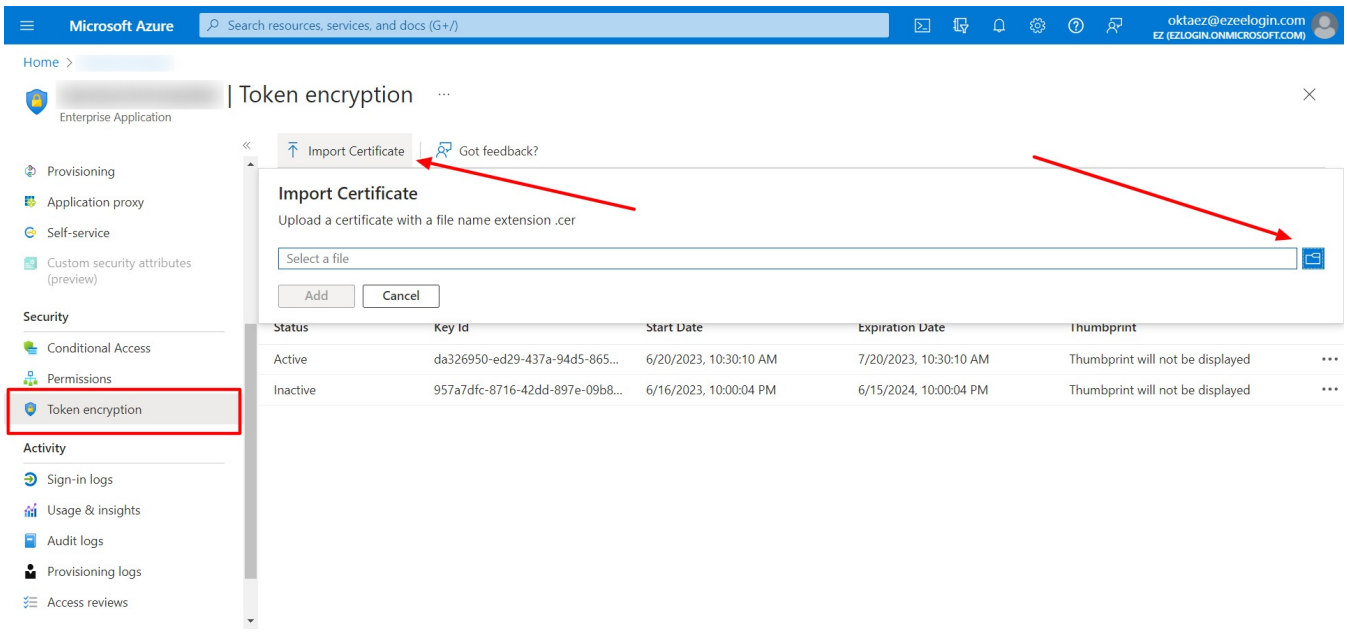
```
root@gateway:~# openssl req -new -key path_to_private_key.key -out
csr_name.csr

EXAMPLE

root@gateway:~# openssl req -new -key private_key.key -out CSR.csr
```

**Step 3:** Convert .csr (Certificate Signing Request) file to a .cer (Certificate) file.

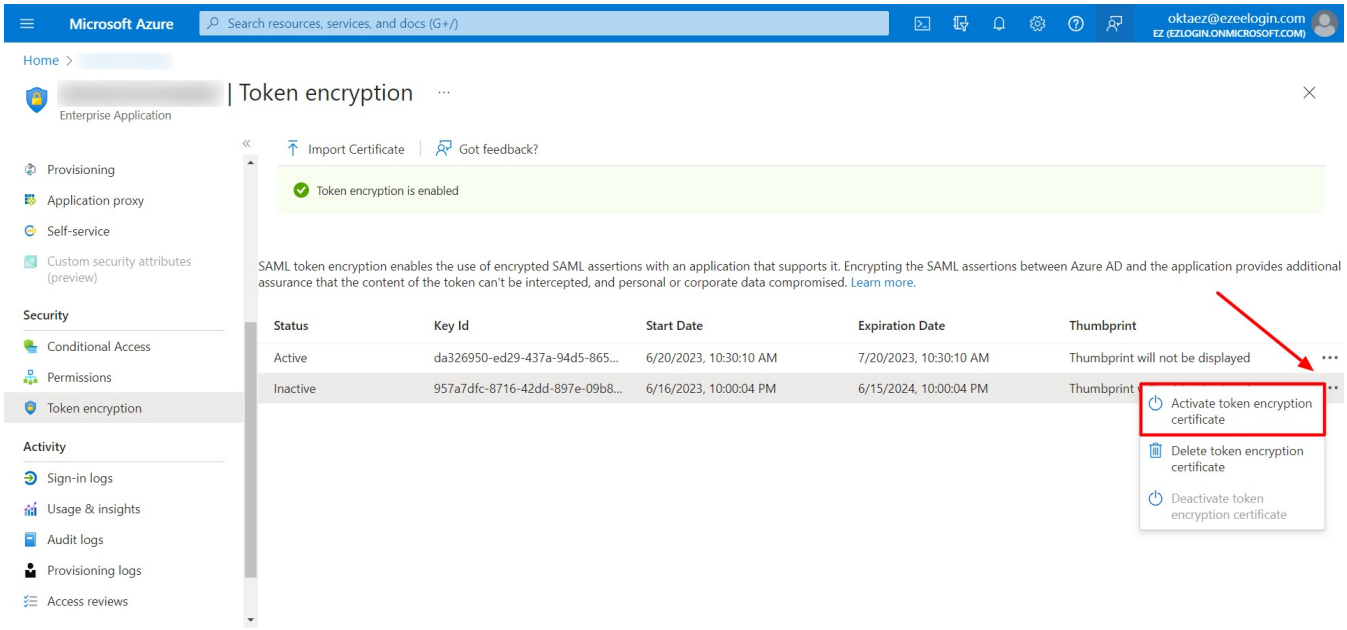
```
root@gateway:~# openssl x509 -req -in yourfile.csr -out yourfile.cer
-signkey yourfile.key -days 365


EXAMPLE

root@gateway:~# openssl x509 -req -in CSR.csr -out CSR.cer -signkey
private_key.key -days 365
```

**Step 4:** Download the certificate to your PC.

**Step 5:** Click on **Token encryption** on your **Enterprise application**. Click on **import certificate** and import the certificate file from your PC with the **.cer extension**.

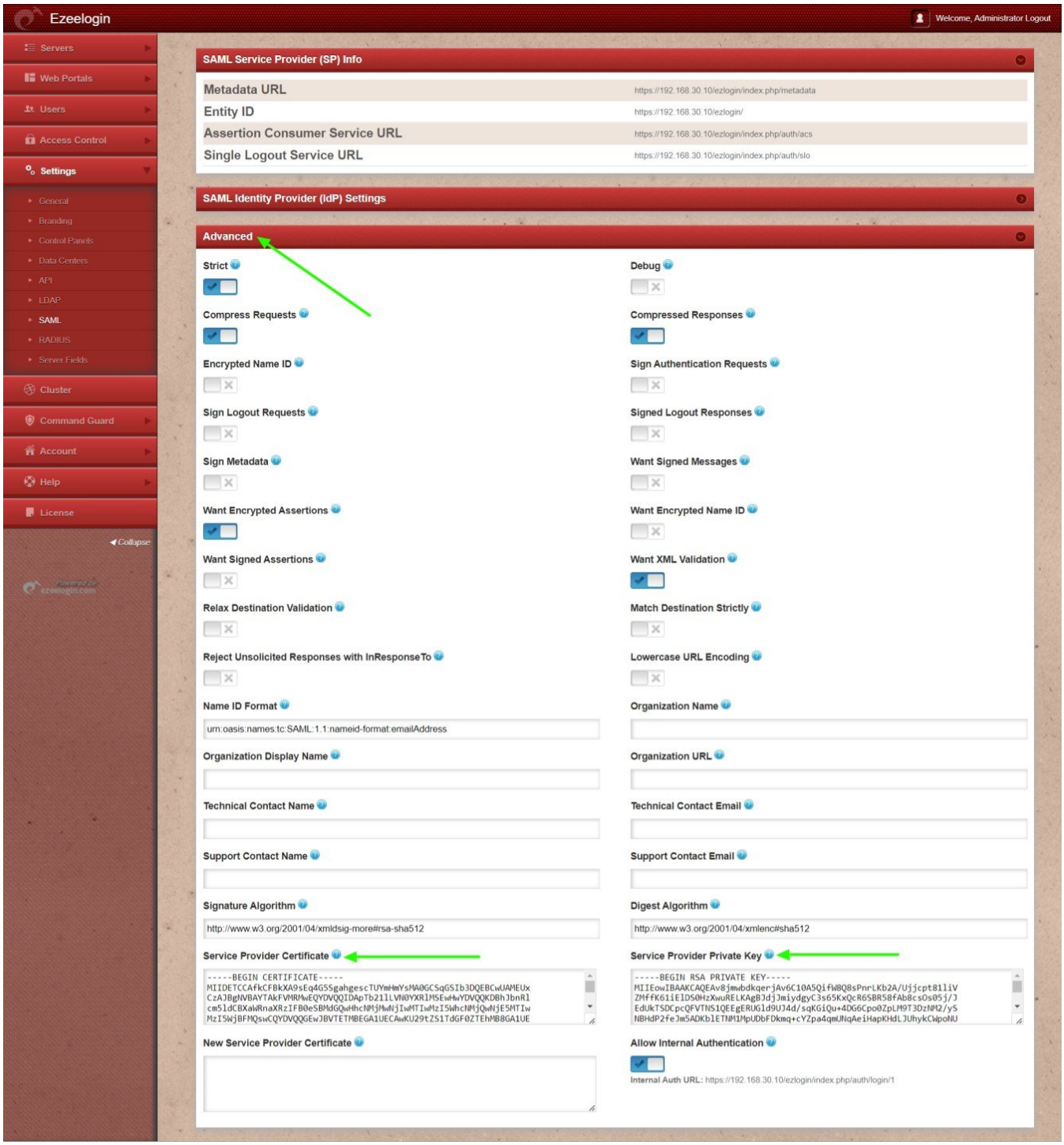



**Step 6:** Activate the certificate by clicking on three dots and **Activate token encryption certificate.**




**Step 7:** Add the certificate and private key to **Ezeelogin SAML advanced settings**.

Use the certificate and private key in **Service Provider Certificate** and **Service Provider Private Key.**




Enable **Auto Create** and change **web panel authentication to SAML**. Clear the browser cache and try to log in to Ezeelogin with Azure login credentials.

## Common errors while accessing Ezeelogin with Microsoft Azure token encryption configured

No private key available, check settings

This error happens because **Service Provider Certificate** or **Service Provider Private Key** field is empty.

### Key is missing data to perform the decryption

This error happens because the **private key** saved in Ezeelogin is **different** from the **key used to generate the certificate** used in Azure token encryption.

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## Related Articles:

Integrate Microsoft Azure SSO and AD with Ezeelogin

Unable to login with Azure SSO

Integrate GSuite SSO with Ezeelogin

Integrate Jumpcloud SSO with Ezeelogin

Integrate AWS SSO with Ezeelogin

Integrate Okta SSO with Ezeelogin

Integrate OneLogin SSO with Ezeelogin

Disable SAML /SSO Authentication on Ezeelogin