

# Reference Learning Service Provider Integration

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## Reference Learning as Service Provider (SP)

- SP Entity ID: `referencelearning.pln.co.id`

## IdP Requirements

Provide information required for registering Service Provider to IdP

- **Domain or IP Address** pointed to hosted application as Service Provider. URI must be accessible from internet (e.g. <https://mylearning.pln.co.id>)
- **SAML SP Metadata** contains
  - SAML SingleLogoutService Endpoints
  - SAML AssertionConsumerService Endpoints
  - SAML SP Certificate

## SP Metadata

### Real World Metadata Example:

<https://corputube.pln.co.id/sp/module.php/saml/sp/metadata.php/pln-ss0-auth>

### Expected Generated Metadata:

```
<?xml version="1.0"?>
<md:EntityDescriptor xmlns:md="urn:oasis:names:tc:SAML:2.0:metadata"
xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
entityID="referencelearning.pln-pusdiklat.co.id">
  <md:SPSSODescriptor
protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol
urn:oasis:names:tc:SAML:1.1:protocol">
    <md:KeyDescriptor use="signing">
      <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:X509Data>

<ds:X509Certificate>SP_CERTIFICATE_OR_PUBLIC_KEY</ds:X509Certificate>
          </ds:X509Data>
        </ds:KeyInfo>
      </md:KeyDescriptor>
      <md:KeyDescriptor use="encryption">
        <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
          <ds:X509Data>

<ds:X509Certificate>SP_CERTIFICATE_OR_PUBLIC_KEY</ds:X509Certificate>
          </ds:X509Data>
        </ds:KeyInfo>
      </md:KeyDescriptor>
    </md:SPSSODescriptor>
  </md:EntityDescriptor>
```

```

    <md:SingleLogoutService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect"
Location="https://referencelearning.pln.co.id/SAML2_LOGOUT_ENDPOINT_HTTP"/>
    <md:SingleLogoutService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:SOAP"
Location="https://referencelearning.pln.co.id/SAML2_LOGOUT_ENDPOINT_SOAP"/>
    <md:AssertionConsumerService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
Location="https://referencelearning.pln.co.id/SAML2_ACS_ENDPOINT"
index="0"/>
    <md:AssertionConsumerService
Binding="urn:oasis:names:tc:SAML:1.0:profiles:browser-post"
Location="https://referencelearning.pln.co.id/SAML1_ACS_ENDPOINT"
index="1"/>
    <md:AssertionConsumerService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Artifact"
Location="https://referencelearning.pln.co.id/SAML2_ACS_ENDPOINT_ARTIFACT"
index="2"/>
    <md:AssertionConsumerService
Binding="urn:oasis:names:tc:SAML:1.0:profiles:artifact-01"
Location="https://referencelearning.pln.co.id/SAML1_ACS_ENDPOINT_ARTIFCAT"
index="3"/>
</md:SPSSODescriptor>
<md:ContactPerson contactType="technical">
    <md:GivenName>developer</md:GivenName>
    <md:EmailAddress>mailto:dev@pln-pusdiklat.co.id</md:EmailAddress>
</md:ContactPerson>
</md:EntityDescriptor>

```

# SAML Response

Example of received attributes after authentication success

```
{
  "Attributes": {
    "username": [
      "9216XXXXX"
    ],
    "employee_no": [
      "9216XXXXX"
    ],
    "full_name": [
      "JOHN DOE"
    ]
  },
  "Authority": "pln-sso-auth",
  "AuthnInstant": 1614031966,
  "Expire": 1614060766
}
```

## Laravel Integration

Follow the Instruction README.md on this project

<https://drive.google.com/file/d/1jeAWqlln7Gi6GZxYMS06ANMIHi4QTFeV/view?usp=sharing>