

SAML

Security Assertion Markup Language

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Web Single-sign On

NTLM
Kerberos
CAS, JOSSO, ...

SAML

Assertions

```
<saml:Assertion>  
  <saml:Issuer/>  
  <ds:Signature/>  
  <saml:Subject/>  
  <saml:Conditions/>  
  <saml:AudienceRestriction/>  
  <saml:AuthnStatement/>  
  <saml:Attribute/>  
</saml:Assertion>
```

Protocols


```
<saml:AuthnRequest>  
  <saml:Issuer/>  
  <saml:NameIDPolicy/>  
</saml:AuthnRequest>
```

Bindings

```
<form method="post"
      action="http://sp.taa.com/SAML2/POST">
  <input type="hidden" name="SAMLResponse"
        value="response" />
  <input type="submit" value="Submit" />
</form>
```

```
window.onload = function () { document.forms[0].submit(); }
```

Profiles

Web Browser SSO

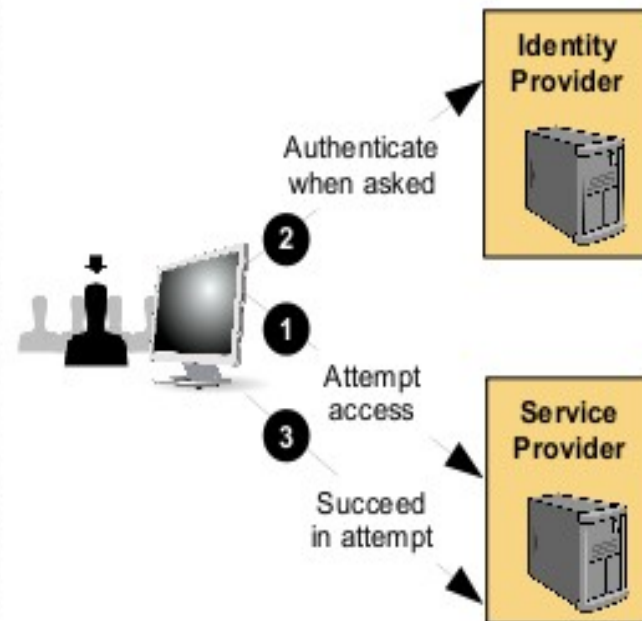
Single Logout

Web Browser SSO

IdP-Initiated SSO
SP-Initiated SSO

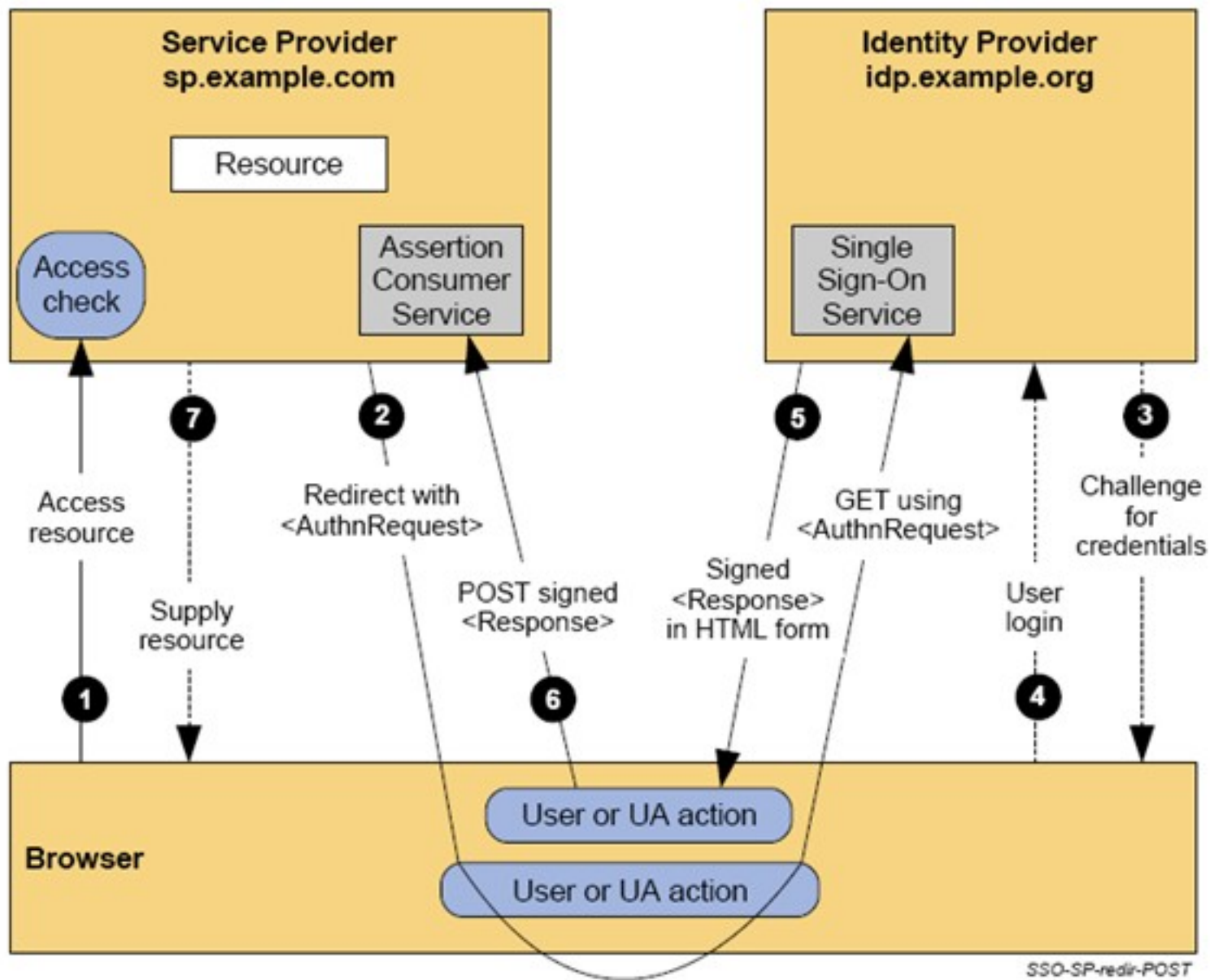


IdP-initiated



IdP-vs-SP-init

SP-initiated



Federation Pseudonymmer Web Service Security

DEMO