

Ejemplos de peticiones SAML en Cl@ve 2

Es importante señalar que en Cl@ve 2 no existe campo específico para indicar la aplicación. Para poder seguir haciendo uso de la funcionalidad y conocer la aplicación concreta que realiza la petición, se ha optado por adjuntar el nombre de la aplicación al ProviderName con un punto y coma.

Petición básica:

```
<saml2p:AuthnRequest xmlns:saml2p="urn:oasis:names:tc:SAML:2.0:protocol" xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
xmlns:oidas="http://oidas.europa.eu/saml-extensions" xmlns:oidas-natural="http://oidas.europa.eu/attributes/naturalperson"
xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion" AssertionConsumerServiceURL="https://pre-pasarela.clave.gob.es/SP2/ReturnPage"
Consent="urn:oasis:names:tc:SAML:2.0:consent:unspecified" Destination="https://se-pasarela.clave.gob.es/Proxy2/ServiceProvider" ForceAuthn="false"
ID="_r1LZ7Ioli5ZpGJtb6avNQiVvGFX1qgenzkP6v--cWHCNZBlcjn8EtHe4I2xB1E_" IsPassive="false" IssueInstant="2018-07-30T07:32:22.571Z"
ProviderName="S2833002E_E04975701;Demo-SP" Version="2.0">
  <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
    <ds:SignedInfo>
      <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
      <ds:SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha512" />
      <ds:Reference URI="#_r1LZ7Ioli5ZpGJtb6avNQiVvGFX1qgenzkP6v--cWHCNZBlcjn8EtHe4I2xB1E_">
        <ds:Transforms>
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          <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
          <ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList="oidas-natural" />
        </ds:Transforms>
      </ds:Reference>
      <ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmldsig-sha512" />
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  <ds:KeyInfo>
    <ds:X509Data>
```

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S5r91lCeJfGIVZp1AEXyP3jJzibr0SKxwEt32r/+ZjTmQgrLuAmGrgcVsJAAM2Cp7usJYaS/SyPF
j1QDUIZoVoUo4dfgFUZLCVBfMUBY73WNazVAojqZhG9d8tAgg2c64nusuMDY+25MLUKFzsbzFg==</ds:X509Certificate>

</ds:X509Data>

</ds:KeyInfo>

</ds:Signature>

<saml2p:Extensions>

<idas:RequestedAttributes>

<idas:RequestedAttribute FriendlyName="RelayState" Name="http://es.minhafp.clave/RelayState"

NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri" isRequired="false">

<idas:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="idas-natural:PersonIdentifierType">_v1m7pcn</idas:AttributeValue>

</idas:RequestedAttribute>

</idas:RequestedAttributes>

```

</saml2p:Extensions>
<saml2p:NameIDPolicy AllowCreate="true" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified"/>
<saml2p:RequestedAuthnContext Comparison="minimum">
  <saml2:AuthnContextClassRef>http://eidas.europa.eu/LoA/low</saml2:AuthnContextClassRef>
</saml2p:RequestedAuthnContext>
</saml2p:AuthnRequest>

```

Respuesta:

El usuario ha seleccionado autenticación por certificado y la respuesta contiene la respuesta de @firma (PartialAfirma) codificada en base64.

```

<saml2p:Response xmlns:ds="http://www.w3.org/2000/09/xmldsig#" xmlns:eidas="http://eidas.europa.eu/attributes/naturalperson" xmlns:eidas-
natural="http://eidas.europa.eu/attributes/naturalperson" xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion"
xmlns:saml2p="urn:oasis:names:tc:SAML:2.0:protocol" xmlns:xs="http://www.w3.org/2001/XMLSchema" Consent="urn:oasis:names:tc:SAML:2.0:consent:obtained"
Destination="https://pre-pasarela.clave.gob.es/SP2/ReturnPage" ID="_2ZSY8het_wB1hQNM88p4DMJp3rDkTs6K6ZVKEwxAP_K_tEG5_v81wAd-whFfDmp"
InResponseTo="_gwMfq9X7c-w1PLigz4mHE-XX7LvR095CVwOKfXLCuOqM45xMJOLiKAe2IZEKIX" IssueInstant="2018-07-30T07:36:37.315Z" Version="2.0">
  <saml2:Issuer Format="urn:oasis:names:tc:SAML:2.0:nameid-format:entity">https://se-pasarela.clave.gob.es</saml2:Issuer>
  <ds:Signature>
    <ds:SignedInfo>
      <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
      <ds:SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha512" />
      <ds:Reference URI="#_2ZSY8het_wB1hQNM88p4DMJp3rDkTs6K6ZVKEwxAP_K_tEG5_v81wAd-whFfDmp">
        <ds:Transforms>
          <ds:Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" />
          <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
            <ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList="eidas-natural xs" />
          </ds:Transform>
        </ds:Transforms>
      <ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha512" />

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    </ds:Reference>
  </ds:SignedInfo>

  <ds:SignatureValue>SJZCn1FdLhP/InepAq9yX9XC/v6puGCDLYLYmdNeIRHCZqBWbbCD3WTQTTFHanNUMjvhU37+ih0mXQ1kA+kcNinwmx7kKBVnhDe
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```
<saml2:Assertion ID="_iW_5m6RI__1TR8lly3bm_I5nfN8PMN_UKA5fvsDFOcgWQCUZ1d44csBAuGkdNp" IssueInstant="2018-07-30T07:36:37.315Z"
Version="2.0">
  <saml2:Issuer Format="urn:oasis:names:tc:SAML:2.0:nameid-format:entity">https://se-pasarela.clave.gob.es</saml2:Issuer>
  <saml2:Subject>
    <saml2:NameID Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified" NameQualifier="https://se-
pasarela.clave.gob.es">11111111H</saml2:NameID>
    <saml2:SubjectConfirmation Method="urn:oasis:names:tc:SAML:2.0:cm:bearer">
      <saml2:SubjectConfirmationData Address="10.1.41.66" InResponseTo="_gwMfq9X7c-w1PLigz4mHE-
XX7LvR095CVwOKfXLCuOqM45xMJOLiKAe2IZEKIX" NotOnOrAfter="2018-07-30T07:51:37.315Z" Recipient="https://pre-
pasarela.clave.gob.es/SP2/ReturnPage"/>
    </saml2:SubjectConfirmation>
  </saml2:Subject>
  <saml2:Conditions NotBefore="2018-07-30T07:36:37.315Z" NotOnOrAfter="2018-07-30T07:51:37.315Z">
    <saml2:AudienceRestriction>
      <saml2:Audience>https://pre-pasarela.clave.gob.es/SP2/ReturnPage</saml2:Audience>
    </saml2:AudienceRestriction>
    <saml2:OneTimeUse/>
  </saml2:Conditions>
  <saml2:AuthnStatement AuthnInstant="2018-07-30T07:36:37.315Z">
    <saml2:AuthnContext>
      <saml2:AuthnContextClassRef>http://eidas.europa.eu/LoA/substantial</saml2:AuthnContextClassRef>
      <saml2:AuthnContextDecl/>
    </saml2:AuthnContext>
  </saml2:AuthnStatement>
  <saml2:AttributeStatement>
    <saml2:Attribute FriendlyName="FamilyName" Name="http://eidas.europa.eu/attributes/naturalperson/CurrentFamilyName"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
      <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="eidas-
natural:CurrentFamilyNameType">EJEMPLO ESPAÑOL</saml2:AttributeValue>
    </saml2:Attribute>
    <saml2:Attribute FriendlyName="FirstName" Name="http://eidas.europa.eu/attributes/naturalperson/CurrentGivenName"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
      <saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="eidas-
natural:CurrentGivenNameType">JUAN</saml2:AttributeValue>
    </saml2:Attribute>
    <saml2:Attribute FriendlyName="PersonIdentifier" Name="http://eidas.europa.eu/attributes/naturalperson/PersonIdentifier"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
```

```
<saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="eidas-
natural:PersonIdentifierType">11111111H</saml2:AttributeValue>
</saml2:Attribute>
<saml2:Attribute FriendlyName="PartialAfirma" Name="http://es.minhafp.clave/PartialAfirma"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri">
<saml2:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="xs:string">PFBhcnRpYWxfQWZpcm1hX1Jlc3BvbNlPgo8ZHNzOjJlc3VsdD4KPGRzczpSZXN1bHRNYWpvcj51cm46b2FzaXM6bmFtZXM6dGM6ZHNzOj
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Petición de Logout:

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      <ds:SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha512" />
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Respuesta de Logout:

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InResponseTo="_Jh5pjuhKEHA3.rpUsXsMks2ICEY89FpSvMnkQ2nl7eRpdkBp5XihOn0IF5bmJ6K" IssueInstant="2018-07-30T07:44:56.824Z" Version="2.0">
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</saml2p:Status>

</saml2p:LogoutResponse>

Petición en la que se fuerza la autenticación y se solicita nivel de autenticación sustancial:

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xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion" AssertionConsumerServiceURL="https://pre-pasarela.clave.gob.es/SP2/ReturnPage"
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58R3tQtH3cKPUN2/nZ8WC8BHeUANV6i9nB81tUxnTCVnpTDVLqr8CzKOQAGqCCKrYwswmc7XNfjHldzbHcwVER0GX8y3rZW/ZyX6O/bQ==</ds:SignatureValue>
  <ds:KeyInfo>
    <ds:X509Data>
      <ds:X509Certificate>MIIF/TCCBOWgAwIBAgIUj5ofy7TYXhWsKBZVz6lxDANBgkqhkiG9w0BAQsFADBHMQswCQYDVQQG
EwJFUzERMA8GA1UECgwIRk5NVC1SQ00xJTAjBgNVBAsMHFEFDIENvbXBvbmVudGVzIEluZm9yYbcOh
```

```

        </ds:X509Data>
      </ds:KeyInfo>
    </ds:Signature>
    <saml2p:Extensions>
      <eidas:RequestedAttributes>
        <eidas:RequestedAttribute FriendlyName="RelayState" Name="http://es.minhafp.clave/RelayState"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri" isRequired="false">

```

```

        <eidas:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="eidas-
natural:PersonIdentifierType">_udvSS8e</eidas:AttributeValue>
    </eidas:RequestedAttribute>
</eidas:RequestedAttributes>
</saml2p:Extensions>
<saml2p:NameIDPolicy AllowCreate="true" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified"/>
<saml2p:RequestedAuthnContext Comparison="minimum">
    <saml2:AuthnContextClassRef>http://eidas.europa.eu/LoA/substantial</saml2:AuthnContextClassRef>
</saml2p:RequestedAuthnContext>
</saml2p:AuthnRequest>

```

Petición en la que se deshabilita Cl@ve PIN y Cl@ve Permanente

Las opciones de IdPs a deshabilitar son: AFirmalIdP, GISSIdP, AEATIdP, EIDASIdP

```

<saml2p:AuthnRequest xmlns:saml2p="urn:oasis:names:tc:SAML:2.0:protocol" xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
xmlns:eidas="http://eidas.europa.eu/saml-extensions" xmlns:eidas-natural="http://eidas.europa.eu/attributes/naturalperson"
xmlns:saml2="urn:oasis:names:tc:SAML:2.0:assertion" AssertionConsumerServiceURL="https://pre-pasarela.clave.gob.es/SP2/ReturnPage"
Consent="urn:oasis:names:tc:SAML:2.0:consent:unspecified" Destination="https://se-pasarela.clave.gob.es/Proxy2/ServiceProvider" ForceAuthn="false"
ID="_1Lna33QBxQg03AicM4djdvoO4L8tMBqBOrLrNwikY5ymCxJFNijFkEqPtO6nttJo" IsPassive="false" IssueInstant="2018-07-30T08:02:40.462Z"
ProviderName="S2833002E_E04975701;Demo-SP" Version="2.0">
    <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:SignedInfo>
            <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
            <ds:SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha512" />
            <ds:Reference URI="#_1Lna33QBxQg03AicM4djdvoO4L8tMBqBOrLrNwikY5ymCxJFNijFkEqPtO6nttJo">
                <ds:Transforms>
                    <ds:Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" />
                    <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
                        <ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList="eidas-natural" />
                    </ds:Transform>
                </ds:Transforms>
            </ds:Reference>
        </ds:SignedInfo>
    </ds:Signature>
</saml2p:AuthnRequest>

```

</ds:Transforms>

<ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha512"/>

<ds:DigestValue>slMVI5E1ePjhFtSgRXMTvKN5FvmIZCZDr2vMetuQyh5K65ScMcnpu6bsdiw6Z8ZP2dfQpbzgyz5tbmkcsO7LvA==</ds:DigestValue>

</ds:Reference>

</ds:SignedInfo>

<ds:SignatureValue>ReuylGagEk7FYUzeVeDCENITuCUldQM668etaqX9oMvEz44d84MwzxI9UhBaHxb7fpB4OfuHwtG2PZHZZBB3zWcaXKw6M4ftuPUPWW3uY9OJZo9ORyADn+Esp6yX8OID0cRSwsFpWi98jl8Dx30pmNkiGNkankS7NNLvC/GTMOmqMTutWYw9eBEZrtuFWewdx9H7WLRceSi3OVYC2JCcMfTK0XprUHonySaosK3WGIzJBtVo/wAaG6vJX19Whr16HObun8dq7fHUDQ09BY3yLQStTOe2huAQdsCYuxGbCd1tkLsTX6ibmnTl87DFJLdfOHfrQg8Ys3EI1vAqaJxk9Q==</ds:SignatureValue>

<ds:KeyInfo>

<ds:X509Data>

<ds:X509Certificate>MIIF/TCCBOWgAwIBAgIUj5ofy7TYXhWsKBZVz6lxDANBgqhkiG9w0BAQsFADBHMQswCQYDVQQGEwJFUzERMA8GA1UECgwIRk5NVC1SQ00xJTAjBgNVBAsMHEFDIENvbXBvbWVudGVzIEluZm9ybcOhdGljb3MwHhcNMTYwMjAyMTIyNjAxWhcNMTkwMjAyMTIyNTU5WjCBDELMAkGA1UEBhMCRCVMxMzANBgNVBAMCMBk1BRFJJRDE8MDoGA1UECgwzTUOSVNUVJVTyBERSBIQUNJRU5EQSBZIEFETUIOSVNUUkFDSU9ORVMgUMOAQkxJQ0FTMUswSQYDVQQLEJESVJFQ0Njw5NOIERFIFRFQ05PTE9Hw41BUyBERSBMQSBJTkZPUk1BQ0nDk04gWSBMQVMgQ09NVU5JQ0FDSU9ORVMxEjAQBgNVBAUTCVMYODMzMdAARTEZMBcGA1UEAwwQRFRJQyBBR0UgUFJVRUJBUzCCASlWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALBcouy5wk1P1Lwq38b+mVbZfoqskPBepawieHarQ1NrkJV+hIYongGX/4DdpouKkr/ezAqrNiu0mH1WxPI+eRLse1loUbjwQTgxNJI9QP0v79L6g0UqLyFcwyy7/dlxVkJUIq7qPHXbjvlgU5fCw6uB8h0EQ2JlRpKfqtDkh+ipDmUfinageM11sMXEebS+Yx00iiqK0WgHPG27dSzd0Tfo2SKQ/XHsguTtrIoV4kktGhkb7IEpO8+G8QzHd347HiQAY/MruzeLAJjaBhcYzkCmMFw5xWc7k6PB0S82heFB6RN+4RGYP149VINGSQrSOWqIXrXJCHLQb5c7HBeNpm0CAwEAAaOCALEwggJNMAkGA1UdEwQCMAAwgYEGCCsGAQUFBwEBBHUwczA7BggrBgEFBQcwAYYvaHR0cDovL29jc3Bjb21wLmNlcnQuZm5tdC5lcY9vY3NwL09jc3BSZXNwb25kZXIwNAYIKwYBBQUHMAKGKgh0dHA6Ly93d3cuY2VydC5mbm10LmVzL2NlcnRzL0FDQ09NUC5jcnQwRAYDVROgBD0wOzA5BgorBgEEAaxmAwkCMCswKQYIKwYBBQUHAgEWHWh0dHA6Ly93d3cuY2VydC5mbm10LmVzL2RwY3MvMCA4GA1UdEQQnMCWklzAhMR8wHQYJKwYBBAGsZgEIDBBEVEIDIEFHRSBQUIVFQkFTMBMGA1UdJQQMMAoGCCsGAQUFBwMCMA4GA1UdDwEB/wQEAwIEsDAdBgNVHQ4EFgQUmUPaCKS1GXULRv7TYGFMG6BxmcQwHwYDVROjBBgwFoAUGfhYLxTWpsybBJglDUzXqwCng2UwgeAGA1UdHwSB2DCB1TCB0qCBz6CBzlaBnmXkYXA6Ly9sZGFwY29tcC5jZXJ0LmZu

```
bXQuZXMvQ049Q1JMMSxPVT1BQyUyMENvbXBvbmVudGVzJTlwSW5mb3JtYXRpY29zLE89Rk5NVC1S
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PWNSTERpc3RyaWJ1dGlvbIBvaW50hilodHRwOi8vd3d3LmNlcnQuZm5tdC5lcy9jcmxzY29tcC9D
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/y/S6bphKF3xbtyxsIX+lx0z17dyDTKA+6sWNHiiuH4YjXkqbxbI8EYHfeRzbRK3S4Gj1yatGVt
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S5r91lCejfGIVZp1AEXyP3jJzibr0SKxwEt32r/+ZjTmQgrLuAmGrgcVsjAAm2Cp7usJYaS/SyPF
j1QDUIZoVOuo4dfgFUZLCVBfMUBY73WNazVAojqZhG9d8tAgg2c64nusuMDY+25MLUKFzsbzFg==</ds:X509Certificate>
    </ds:X509Data>
  </ds:KeyInfo>
</ds:Signature>
<saml2p:Extensions>
  <eidas:RequestedAttributes>
    <eidas:RequestedAttribute FriendlyName="GISSIdP" Name="http://es.minhafp.clave/GISSIdP"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri" isRequired="false"/>
    <eidas:RequestedAttribute FriendlyName="AEATIdP" Name="http://es.minhafp.clave/AEATIdP"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri" isRequired="false"/>
    <eidas:RequestedAttribute FriendlyName="RelayState" Name="http://es.minhafp.clave/RelayState"
NameFormat="urn:oasis:names:tc:SAML:2.0:attrname-format:uri" isRequired="false">
      <eidas:AttributeValue xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="eidas-
natural:PersonIdentifierType">_u.a1brr</eidas:AttributeValue>
    </eidas:RequestedAttribute>
  </eidas:RequestedAttributes>
</saml2p:Extensions>
<saml2p:NameIDPolicy AllowCreate="true" Format="urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified"/>
<saml2p:RequestedAuthnContext Comparison="minimum">
  <saml2:AuthnContextClassRef>http://eidas.europa.eu/LoA/low</saml2:AuthnContextClassRef>
</saml2p:RequestedAuthnContext>
</saml2p:AuthnRequest>
```