



Finpass

Enabling Trust

**Face recognition and
document's MRZ readable services**

2017

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1 Service

Test service is accessible via address: <https://verifid.finpass.eu/recoface.svc>

2 Methods

2.1 StartSession

2.1.1 Request

```
POST https://kycicoverifid.finpass.eu/RecoFace.svc HTTP/1.1
Content-Type: text/xml; charset=utf-8
VsDebuggerCausalityData:
uIDPo/6HdWAHu7NKnGnYme2ome0AAAAAdC0EUm6+ckid6Q3pKg06E0VuFyUU+0BAmMppkNEjzckACQAA
SOAPAction: "finpass.eu/VerifID/IRecoFace/StartSession"
Host: kycicoverifid.finpass.eu
Content-Length: 530
Expect: 100-continue
Accept-Encoding: gzip, deflate
Connection: Keep-Alive

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <StartSession xmlns="finpass.eu/VerifID">
      <userName> </userName>
      <password> </password>
      <ip></ip>
      <clientEmail i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance"/>
      <clientPhone i:nil="true" xmlns:i="http://www.w3.org/2001/XMLSchema-
instance"/>
      <companies i:nil="true"
xmlns:a="http://schemas.datacontract.org/2004/07/VerifID.Models"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"/>
    </StartSession>
  </s:Body>
</s:Envelope>
```

2.1.2 Response

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Vary: Accept-Encoding
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Fri, 01 Jun 2018 11:47:37 GMT
Content-Length: 239

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <StartSessionResponse xmlns="finpass.eu/VerifID">
      <StartSessionResult>516asd651651asd651as65d16161a65s</StartSessionResult>
    </StartSessionResponse>
  </s:Body>
</s:Envelope>
```

2.2 FaceScanVideo

2.2.1 Request

```
POST https://kycicoverifid.finpass.eu/RecoFace.svc HTTP/1.1
Content-Type: text/xml; charset=utf-8
VsDebuggerCausalityData:
uIDPo/+HdWAHu7NKnGnYme2ome0AAAAAdC0EUm6+ckid6Q3pKg06E0VuFyUU+0BAmMppkNEjzckA
CQAA
SOAPAction: "finpass.eu/VerifID/IRecoFace/FaceScanVideo"
```

```
Host: kycicoverifid.finpass.eu
Content-Length: 1234221
Expect: 100-continue
Accept-Encoding: gzip, deflate
```

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <FaceScanVideo xmlns="finpass.eu/VerifID">
      <token>516asd651651asd651as65d16161a65s</token>
      <fileName>test.mp4</fileName>
      <file></file>
    </FaceScanVideo>
  </s:Body>
</s:Envelope>
```

2.2.2 Response

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Vary: Accept-Encoding
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Fri, 01 Jun 2018 11:47:38 GMT
Content-Length: 431
```

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <FaceScanVideoResponse xmlns="finpass.eu/VerifID">
      <FaceScanVideoResult
xmlns:a="http://schemas.datacontract.org/2004/07/VerifID.Models"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BiometricStatus>Ok</a:BiometricStatus>
        <a:ErrorDescription i:nil="true"/>
        <a:IsError>>false</a:IsError>
      </FaceScanVideoResult>
    </FaceScanVideoResponse>
  </s:Body>
</s:Envelope>
```

2.3 FaceScanPhoto

2.3.1 Request

```
POST https://kycicoverifid.finpass.eu/RecoFace.svc HTTP/1.1
Content-Type: text/xml; charset=utf-8
VsDebuggerCausalityData:
uIDPo/+HdWAHu7NKnGnYme2ome0AAAAAdC0EUm6+ckid6Q3pKg06E0VuFyUU+0BAmMppkNEjzckA
CQAA
SOAPAction: "finpass.eu/VerifID/IRecoFace/FaceScanPhoto"
Host: kycicoverifid.finpass.eu
Content-Length: 1234221
Expect: 100-continue
Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <FaceScanPhoto xmlns="finpass.eu/VerifID">
      <token>516asd651651asd651as65d16161a65s</token>
      <fileName>test.mp4</fileName>
      <file></file>
    </FaceScanPhoto>
  </s:Body>
</s:Envelope>
```

2.3.2 Response

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Vary: Accept-Encoding
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Fri, 01 Jun 2018 11:47:38 GMT
Content-Length: 431

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <FaceScanPhotoResponse xmlns="finpass.eu/VerifID">
      <FaceScanPhotoResult
xmlns:a="http://schemas.datacontract.org/2004/07/VerifID.Models"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BiometricStatus>Ok</a:BiometricStatus>
        <a:ErrorDescription i:nil="true"/>
        <a:IsError>>false</a:IsError>
      </FaceScanPhotoResult>
    </FaceScanPhotoResponse>
  </s:Body>
</s:Envelope>
```

2.4 IdScan

2.4.1 Request

```
POST https://kycicoverifid.finpass.eu/RecoFace.svc HTTP/1.1
Content-Type: text/xml; charset=utf-8
VsDebuggerCausalityData:
uIDPowCldWAHu7NKnGnYme2ome0AAAAAdC0EUm6+ckid6Q3pKg06E0VuFyUU+0BAmMppkNEjzckA
CQAA
SOAPAction: "finpass.eu/VerifID/IRecoFace/IdScan"
Host: kycicoverifid.finpass.eu
Content-Length: 1332054
Expect: 100-continue
Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <IdScan xmlns="finpass.eu/VerifID">
      <token>516asd651651asd651as65d16161a65s</token>
      <fileNameFront>front.jpg</fileNameFront>
      <frontPage></frontPage>
      <fileNameBack>back.jpg</fileNameBack>
      <backPage></backPage>
    </IdScan>
  </s:Body>
</s:Envelope>
```

2.4.2 Response

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Vary: Accept-Encoding
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Fri, 01 Jun 2018 11:47:49 GMT
Content-Length: 786

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <IdScanResponse xmlns="finpass.eu/VerifID">
      <IdScanResult
xmlns:a="http://schemas.datacontract.org/2004/07/VerifID.Models"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BiometricStatus>Ok</a:BiometricStatus>
        <a:ErrorDescription i:nil="true"/>
        <a:IsError>>false</a:IsError>
        <a:DocumentInfo>
          <a:BirthDate>1901-01-01T00:00:00</a:BirthDate>
          <a:Country>LTU</a:Country>
          <a:DocNumber>15165449</a:DocNumber>
          <a:DocType>I</a:DocType>
          <a:ExpireDate>2001-01-01T00:00:00</a:ExpireDate>
          <a:FirstName>VARDENIS</a:FirstName>
        </a:DocumentInfo>
      </IdScanResult>
    </IdScanResponse>
  </s:Body>
</s:Envelope>
```

```
                <a:LastName>PAVARDENIS</a:LastName>
                <a:Nationality>LTU</a:Nationality>
                <a:PersonCode>30101010007</a:PersonCode>
            </a:DocumentInfo>
            <a:MrzStatus>Ok</a:MrzStatus>
        </IdScanResult>
    </IdScanResponse>
</s:Body>
</s:Envelope>
```

2.5 PassportScan

2.5.1 Request

```
POST https://kycicoverifid.finpass.eu/RecoFace.svc HTTP/1.1
Content-Type: text/xml; charset=utf-8
VsDebuggerCausalityData:
uIDPowCldWAHu7NKnGnYme2ome0AAAAAdC0EUm6+ckid6Q3pKg06E0VuFyUU+0BAmMppkNEjzckA
CQAA
SOAPAction: "finpass.eu/VerifID/IRecoFace/PassportScan"
Host: kycicoverifid.finpass.eu
Content-Length: 1332054
Expect: 100-continue
Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <PassportScan xmlns="finpass.eu/VerifID">
      <token>516asd651651asd651as65d16161a65s</token>
      <fileNameFront>front.jpg</fileNameFront>
      <frontPage></frontPage>
      <fileNameBack>back.jpg</fileNameBack>
      <backPage></backPage>
    </PassportScan>
  </s:Body>
</s:Envelope>
```

2.5.2 Response

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Vary: Accept-Encoding
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Fri, 01 Jun 2018 11:47:49 GMT
Content-Length: 786
```

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <PassportScanResponse xmlns="finpass.eu/VerifID">
      <PassportScanResult
xmlns:a="http://schemas.datacontract.org/2004/07/VerifID.Models"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BiometricStatus>Ok</a:BiometricStatus>
        <a:ErrorDescription i:nil="true"/>
        <a:IsError>>false</a:IsError>
        <a:DocumentInfo>
          <a:BirthDate>1901-01-01T00:00:00</a:BirthDate>
          <a:Country>LTU</a:Country>
          <a:DocNumber>15165449</a:DocNumber>
          <a:DocType>l</a:DocType>
          <a:ExpireDate>2001-01-01T00:00:00</a:ExpireDate>
          <a:FirstName>VARDENIS</a:FirstName>
          <a:LastName>PAVARDENIS</a:LastName>
          <a:Nationality>LTU</a:Nationality>
          <a:PersonCode>30101010007</a:PersonCode>
        </a:DocumentInfo>
        <a:MrzStatus>Ok</a:MrzStatus>
      </PassportScanResult>
    </PassportScanResponse>
  </s:Body>
</s:Envelope>
```


2.6 Compare

2.6.1 Request

```
POST https://kycicoverifid.finpass.eu/RecoFace.svc HTTP/1.1
Content-Type: text/xml; charset=utf-8
VsDebuggerCausalityData:
uIDPowGldWAHu7NKnGnYme2ome0AAAAAdC0EUm6+ckid6Q3pKg06E0VuFyUU+0BAmMppkNEjzckA
CQAA
SOAPAction: "finpass.eu/VerifID/IRecoFace/Compare"
Host: kycicoverifid.finpass.eu
Content-Length: 187
Expect: 100-continue
Accept-Encoding: gzip, deflate

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <Compare xmlns="finpass.eu/VerifID">
      <token>516asd651651asd651as65d16161a65s</token>
    </Compare>
  </s:Body>
</s:Envelope>
```

2.6.2 Response

```
HTTP/1.1 200 OK
Cache-Control: private
Content-Type: text/xml; charset=utf-8
Vary: Accept-Encoding
Server: Microsoft-IIS/10.0
X-AspNet-Version: 4.0.30319
X-Powered-By: ASP.NET
Date: Fri, 01 Jun 2018 11:47:49 GMT
Content-Length: 623

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <CompareResponse xmlns="finpass.eu/VerifID">
      <CompareResult
xmlns:a="http://schemas.datacontract.org/2004/07/VerifID.Models"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:BiometricStatus>OK</a:BiometricStatus>
        <a:ErrorDescription i:nil="true"/>
        <a:IsError>false</a:IsError>
        <a:FailedRules
xmlns:b="http://schemas.datacontract.org/2004/07/VerifID.Dal.Enums">
          <b:RulesEnum> </b:RulesEnum>
        </a:FailedRules>
        <a:FinalStatus>Success</a:FinalStatus>
        <a:Score>25</a:Score>
      </CompareResult>
    </CompareResponse>
  </s:Body>
```

</s:Envelope>

3 Usage

1. The StartSession method is called to get the token. Token defines a session. Other methods are invoked with the token value obtained.
2. The FaceScanPhoto or FaceScanVideo method is called depending on where you want to extract from your facial biometric data (photo or video). The answer is biometric status, telling you whether you managed to get facial biometric information or not. This method should be called until facial information will be received (method call with the same files will not change the answer). Improper lighting quality or poor-quality cameras may result the failure to obtain the required information.
3. The IdSan or PassportScan method is called depending on which document is selected. The response returns status, telling you whether you managed to get facial biometric information. There is also a status that describes or succeeds in getting MRZ information. If the status is OK, the MRZ information is returned together. This method should be called until document information will be received (method call with the same files will not change the answer). Improper lighting quality or poor-quality cameras may result the failure to obtain the required information.
4. After successful steps 2 and 3, the Compare method is called. It matches faces information. Return status or person is the same. Also, the value of Score describing similarity.