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# Configuration and setup

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## Version history

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## 1. Purpose and target group

This document is a part of the NemID Service Provider Package.



The purpose of the document is to provide guidance on how to access Nets DanID's testing and production environment.



The document is aimed at developers who have to integrate with NemID.

## 2. Testing system – PP environment

The PP environment includes both the Citizen/Private and Business section of NemID.

If you are using the Service Provider (TU) example as a basis for development, the references are already set up to access the test environment.

For service providers that develop their own validation module, here is a list of the addresses that must be set up for the system to be correctly configured for the test environment.

Please refer in general to the reference implementation and to the implementation guidelines.

### 2.1 LDAP

The following URL must be used to look up full and partitioned CRLs using the LDAP protocol (o=danid,c=dk):

<ldap://crldir.pp.certifikat.dk>

### 2.2 PID service

The PID service public interface to CPR-PID match lookup and to look up CPRs on the basis of a PID:

Webservice:

[https://pidws.pp.certifikat.dk/pid\\_serviceprovider\\_server/pidws/](https://pidws.pp.certifikat.dk/pid_serviceprovider_server/pidws/)

http:

[https://pidws.pp.certifikat.dk/pid\\_serviceprovider\\_server/pidxml/](https://pidws.pp.certifikat.dk/pid_serviceprovider_server/pidxml/)

SSL must be configured to this URL using the VOCES certificate (OCES I) issued to the service provider.

### 2.3 RID service

The RID service public interface to CPR-RID to look up CPRs on the basis of a RID:

Webservice:

[https://ws-erhverv.pp.certifikat.dk/rid\\_serviceprovider\\_server/services/HandleSundhedsportalWSPort](https://ws-erhverv.pp.certifikat.dk/rid_serviceprovider_server/services/HandleSundhedsportalWSPort)

SSL must be configured to this URL using the VOCES certificate (OCES I) issued to the service provider.

WSDL for the above service is located at:

<https://erhverv.pp.certifikat.dk/wsd/ridservice-oces1-compatible.wsdl>

## 2.4 *The applet*

The applet must be obtained from:

<https://appletk.danid.dk/bootapplet>

See the Service Provider example (TU example) and the Implementation Guidelines for a description of how to set up the applet.

The Applet without OTP must be obtained from:

<https://opensign.danid.dk>

See the Service Provider example (TU example) and the Implementation Guidelines for a description of how to set up the applet.

## 2.5 *The JavaScript client*

The JavaScript client can be reached at:

All requests requiring user-input:

[https://appletk.danid.dk\[/mode\]/launcher/<random>](https://appletk.danid.dk[/mode]/launcher/<random>)

Headless mode (used for SSO and TCR):

<https://appletk.danid.dk/launcher/background/<random>>

Please note that the <random> part of the URL should be a unique (in the context of the particular browser) integer number. It is only used to prevent caching in the client browser.

The Mode option, can improve the load performance of the client as the CSS is cached client side. Valid values include "std" or "lmt" for standard or limited mode respectively. Please note that the mode must match the CLIENT MODE parameter (sent to the client as JSON) otherwise the client is not rendered correctly.

See the NemID Integration documents for further information regarding how to connect to the JavaScript client. A simple JSON parameter generator is available as part of the TU example in Java:

```
org.openoces.oapi.web.OcesJSONParameterGenerator  
and in .Net:  
org.openoces.oapi.web.JSONParametersGenerator
```

## 2.6 Full CRL

To look up the full CRL directly against CA (via HTTP), use the CRL distribution point that is a part of the certificate. Also see the class FullCrlRevocationChecker in the OOAPI.

## 2.7 OCSP

If Online Certificate Status Protocol (OCSP) is to be used for a revocation check, you must use the OCSP URL that is a part of the certificate being checked. Also see the class OCSPCertificateRevocationChecker in the OOAPI.

## 2.8 whoislra

The existing OCES I whoislra webservice will be kept running until the OCES I system will be shut down. This service lists LRAs in the OCES I system. The webservice is accessible at this URL:

<https://test.whoislra.certifikat.dk/whoislra/whoislra>

The new OCES II whoislra webservice lists administrators and superadministrators in the OCES II system. The webservice is accessible at this URL:

[https://legacy-erhverv.pp.certifikat.dk/eo2\\_legacy\\_ws\\_server/whoislra/whoislra](https://legacy-erhverv.pp.certifikat.dk/eo2_legacy_ws_server/whoislra/whoislra)

## 2.9 MocwsWS (islra)

The existing OCES I MocwsWS webservice will be kept running until the OCES I system will be shut down. This service determines employee

status for employees registered in the OCES I system. The webservice is accessible at this URL:

<https://test.mocesws.certifikat.dk/mocesws/HandleMocesWS>

The new OCES II MocesWS webservice determines employee status for employees registered in the OCES II system. The webservice is accessible at this URL:

[https://legacy-erhverv.pp.certifikat.dk/eo2\\_legacy\\_ws\\_server/mocesws/HandleMocesWS](https://legacy-erhverv.pp.certifikat.dk/eo2_legacy_ws_server/mocesws/HandleMocesWS)



## 3. Production system

The following URLs must be changed when moving from the test environment to the production system.

### 3.1 LDAP

The following URL must be used to look up full and partitioned CRLs using the LDAP protocol (o=danid,c=dk):

<ldap://crldir.certifikat.dk>

### 3.2 PID-Tjenesten

The PID service public interface to CPR-PID match lookup and to look up CPRs on the basis of a PID:

Webservice:

[https://pidws.certifikat.dk/pid\\_serviceprovider\\_server/pidws/](https://pidws.certifikat.dk/pid_serviceprovider_server/pidws/)

http:

[https://pidws.certifikat.dk/pid\\_serviceprovider\\_server/pidxml/](https://pidws.certifikat.dk/pid_serviceprovider_server/pidxml/)

SSL must be configured to this URL using the VOCES certificate used by the service provider. Furthermore, keep in mind that a SPID number is also needed.

### 3.3 RID service

The RID service public interface to CPR-RID to look up CPRs on the basis of a RID:

Webservice:

[https://ws-erhverv.certifikat.dk/rid\\_serviceprovider\\_server/services/HandleSundhedsportalWSPort](https://ws-erhverv.certifikat.dk/rid_serviceprovider_server/services/HandleSundhedsportalWSPort)

SSL must be configured to this URL using the test-VOCES certificate (OCES I) issued to the service provider. Furthermore, keep in mind that a test-SPID number is also needed.

WSDL for the above service is located at:

<https://www.nets-danid.dk/wsd/ridservice-oces1-compatible.wsdl>

### **3.4 The applet**

The applet must be obtained from:

<https://applet.danid.dk/bootapplet/>

See Service Provider example (TU example) and the Implementation Guidelines for a description of how to set up the applet.

The Applet without OTP must be obtained from:

<https://opensign.danid.dk/v2/OpenSign-bootstrapped.jar>

See the Service Provider example (TU example) and the Implementation Guidelines for a description of how to set up the applet.

Debug flag should not be used in normal operation mode.

### **3.5 The JavaScript client**

The JavaScript client can be reached at:

All requests requiring user-input:

[https://applet.danid.dk\[/mode\]/launcher/<random>](https://applet.danid.dk[/mode]/launcher/<random>)

Headless mode (used for SSO):

<https://applet.danid.dk/launcher/background/<random>>

Please note that the <random> part of the URL should be a unique (within the context of the browser instance) integer number. The number is only used to prevent caching in the client browser.

The Mode option, can improve the load performance of the client as the CSS is cached client side. Valid values include "std" or "lmt" for standard or limited mode respectively. Please note that the mode must match the CLIENT MODE parameter (sent to the client as JSON) otherwise the client is not rendered correctly.

See the NemID Integration documents for further information regarding how to connect to the JavaScript client. A simple JSON parameter generator is available as part of the TU example in Java:

```
org.openoces.ooapi.web.OcesJSONParameterGenerator  
and in .Net:  
org.openoces.ooapi.web.JSONParametersGenerator
```

### **3.6 Full CRL**

To look up the full CRL directly against CA (via HTTP), use the CRL distribution point that is a part of the certificate.

### **3.7 OCSP**

If Online Certificate Status Protocol (OCSP) is to be used for a revocation check, you must use the OCSP URL that is a part of the certificate being checked.

### **3.8 whoisra**

The existing OCES I whoisra webservice will be kept running until the OCES I system will be shut down. This service lists LRAs in the OCES I system. The webservice is accessible at this URL:

<https://whoisra.certifikat.dk/whoisra/whoisra>

The new OCES II whoisra webservice lists administrators and superadministrators in the OCES II system. The webservice is accessible at this URL:

[https://legacy-erhverv.certifikat.dk/eo2\\_legacy\\_ws\\_server/whoisra](https://legacy-erhverv.certifikat.dk/eo2_legacy_ws_server/whoisra)

### **3.9 MocesWS (isra)**

The existing OCES I MocesWS webservice will be kept running until the OCES I system will be shut down. This service determines employee status for employees registered in the OCES I system. The webservice is accessible at this URL:

<https://mocesws.certifikat.dk/mocesws/HandleMocesWS>

The new OCES II MocesWS webservice determines employee status for employees registered in the OCES II system. The webservice is accessible at this URL:

[https://legacy-erhverv.certifikat.dk/eo2\\_legacy\\_ws\\_server/mocesws/HandleMocesWS](https://legacy-erhverv.certifikat.dk/eo2_legacy_ws_server/mocesws/HandleMocesWS)