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# Configuration and setup

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## Version history

2016-09-13	Version 1.17	KMAIB
2016-05-18	Version 1.16	PKAJB
2016-04-19	Version 1.15	ABHAN
2014-09-09	Version 1.14	OYMO
2014-07-30	Version 1.13	JBF
2014-06-18	Version 1.12	KSANO
2014-06-12	Version 1.11	KSANO
2014-06-02	Version 1.10	PHJER
2014-01-31	Version 1.9	OYVMO
2013-04-05	Version 1.8	BMATZ
2012-10-15	Version 1.7	MTVOL
2011-06-15	Version 1.6	JV
2011-04-12	Version 1.5	SHP
2011-03-09	Version 1.4	JV
2011-02-24	Version 1.3	MTV
2011-01-20	Version 1.2	MTV
2010-06-09	Version 1.1	MTV
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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.

For additional information please see the Implementation Guidelines in the NemID Service Provider Package.

### 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 CPR service*

The PID CPR 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 issued to the service provider.

### 2.3 *RID CPR service*

The RID CPR 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/wsdl/ridservice-oces1-compatible.wsdl>

## **2.4 The NemID CodeFile Client**

The NemID CodeFile client (Client without OTP) is set up in an iframe, can be reached at:

<https://codefileclient.pp.danid.dk/?t=<random>>

Please note that the <random> component of an URL should be a unique integral number for the browser session,.

For additional information on how to communicate with the NemID CodeFile client, please see the Implementations Guidelines in the Service Provider Package.

## **2.5 The NemID JavaScript Client**

The NemID JavaScript client (Client with OTP) can be reached at:

All requests requiring user-input:

[https://appletk.danid.dk/launcher\[/mode\]/<random>](https://appletk.danid.dk/launcher[/mode]/<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 determines if the client should be loaded in limited or standard mode. Valid values include "std" or "lmt" for standard or limited mode respectively. If the mode is omitted then "lmt" is assumed and limited mode is used.

Please note that the CLIENTMODE parameter is ignored by the client.

For further information in regards to how to connect to the NemID JavaScript client, please see the Implementation Guidelines in the NemID Service Provider Package.

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 *whoislr*

The existing OCES I whoislr 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.whoislr.certifikat.dk/whoislr/whoislr>

The new OCES II whoislr 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/whoislr/whoislr](https://legacy-erhverv.pp.certifikat.dk/eo2_legacy_ws_server/whoislr/whoislr)

## 2.9 MocesWS (*islra*)

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://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 CPR Service

The PID CPR 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 CPR Service

The RID CPR 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/wsdl/ridservice-oces1-compatible.wsdl>

### **3.4 The NemID CodeFile client**

The NemID CodeFile client (Client without OTP) is set up in an iframe, which must be obtained from:

<https://codefileclient.danid.dk/?t=<random>>

Please note that the <random> component of an URL should be a unique integral number for the browser session,.

For additional information on how to communicate with the NemID CodeFile client, please see the Implementations Guidelines in the Service Provider Package.

### **3.5 The NemID JavaScript Client**

The NemID JavaScript client (Client with OTP) can be reached at:

All requests requiring user-input:

[https://applet.danid.dk/launcher\[/mode\]/<random>](https://applet.danid.dk/launcher[/mode]/<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 determines if the client should be loaded in limited or standard mode. Valid values include "std" or "lmt" for standard or limited mode respectively. If the mode is omitted then "lmt" is assumed and limited mode is used.

Please note that the CLIENTMODE parameter is ignored by the client.

For further information in regards to how to connect to the NemID JavaScript client, please see the Implementation Guidelines in the NemID Service Provider Package.

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 whoislr**

The existing OCES I whoislr 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://whoislr.certifikat.dk/whoislr/whoislr>

The new OCES II whoislr 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/whoislr](https://legacy-erhverv.certifikat.dk/eo2_legacy_ws_server/whoislr)

### **3.9 MocesWS (islra)**

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)