

# Phase 4 – Declaration in DMS Production

Step 1 – Test network connection



# DMS Import



Onboarding mini guide for System-to-System users



# Step 1

## Testing network connection

To start getting declarations through DMS in the production environment you must make sure all the prior steps are done and go through this last step. The last step is to verify the network access. If you are using the same certificate that has been set-up for test on DMS Export or Transit, you can skip this step. **Otherwise, coordinate with your software vendor or IT department on this step.**

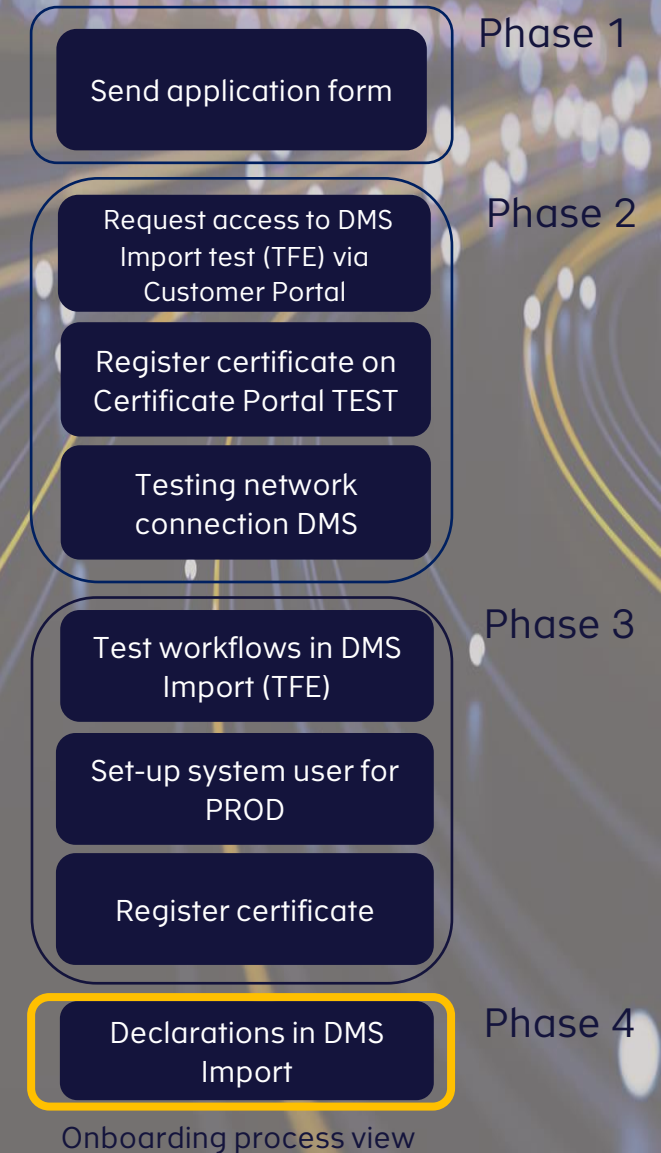
The verification depends on the server style and can be executed in various ways. Which method to use is determined by the availability of tools on the client setup. See the next

### AS4 Server details for PRODUCTION:

Hostname: secureftpgateway.skat.dk

Port: 6384

IP: 195.85.251.102



# Unix

This section describes ways to test the connectivity on Unix-style servers, using common connectivity testing tools.

## Method #1 – telnet

```
telnet <Hostname> 6384
```

```
brj@T470PW10BRJ:~$ telnet secureftpgatewaytest.skat.dk 6384
Trying 195.85.251.85...
Connected to secureftpgatewaytest.skat.dk.
```

## Method #2 – nmap

```
Nmap -p 6384 <Hostname>
```

```
brj@T470PW10BRJ:~$ nmap -p 6384 secureftpgatewaytest.skat.dk
Nmap scan report for secureftpgatewaytest.skat.dk (195.85.251.85)
Host is up (0.0088s latency).

PORT      STATE SERVICE
6384/tcp  open  unknown

Nmap done: 1 IP address (1 host up) scanned in 12.86 seconds
```

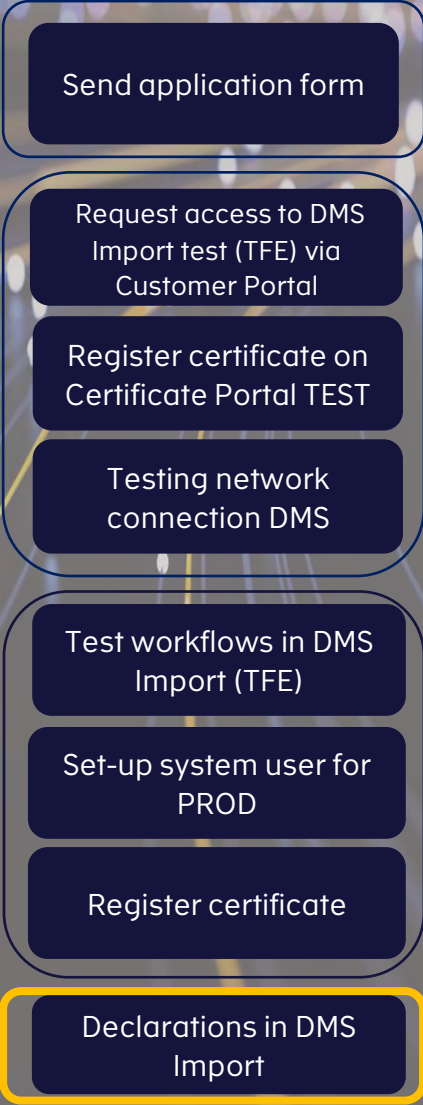
## Method #3 – openssl

```
openssl s_client -connect <Hostname>:443 -showcerts
```

```

root@1709416881:~# openssl s_client connect secureftpgatewaytest.skat.dk:443 -showcerts
CONNECTED(00000003)
depth=2 OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
verify return:1
depth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
verify return:1
depth=0 C = DK, ST = Copenhagen, L = Copenhagen Oe, O = Skatteforvaltningen, CN = secureftpgatewaytest.skat.dk
verify return:1
139743226499712:error:14094410:SSL routines:ssl3_read_bytes:sslv3 alert handshake failure:../ssl/record/rec_layer_s3.c:1543:SSL alert number 40
-----
Certificate chain
 0 s:C = DK, ST = Copenhagen, L = Copenhagen Oe, O = Skatteforvaltningen, CN = secureftpgatewaytest.skat.dk
 1 c:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
-----BEGIN CERTIFICATE-----
MIITGAJCCEBzKgAwIBAgIMdnhlIn5QQEDNVMGVMAOGCSqGSIBoDQEBwUAMFAxCAZj
BgNVBAYTAkFJMRkwFwYDVQQKEwBhbG90eXVkeXRhbmhhdGU5LlXNHMSYwIjAVDVQQQExH
bG90eXVkeXRhbmhhdGU5LlR3QSBPVB18TUwgQ0EgMjAxODAEFw0xOTExMTMwMDIxMDhaFw0y
MTA0MDQxMDExMDZAMH8xCzAJBgIVBAYTARklRMWMEQYDVQQIEwVDb3BlbmhhZDZ2VU
MRwwFAYDVQQHEw1Db3BlbmhhZDZ2VUE9IjMRwwGgyDVQQKExNTA2F0dGVmb3J2YWVsO
m1uc2VuMSUwIiwYDVQQDExxzZWlnCiVmndHbnYXRld2F5dGVzdC5za2F0LmRrMiIB
BjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAx0nlpLz6SjN9VAP1PjD2jk9
agSB/FYPVVcs51fReb6KRqQA8N47LXqeIz9+q6vqh4o+WAhgzqU5Q0b7TFysI8R
Ref1FCtB3UG/c3ypbz+xDDQFx2jystcQ06DvD12GNpcfuO/HCF9zk1AXkdke7w
8hmwyZamao3wOwdq5JFOQKSU0rdogqx+z7Bi+o1cFFggazh1h8n2ge1OFZRryG1
VP1SEUT/YZT2QUwSDqtU+rHzAfHpe5f1H2P1Rp3Yhg3KTk68PAKRgnNM5T190UD
nqqs6mg7iCRtClK2qaEXyxPxxyRBQC7ySM5SiAFUJo4c9D651QfzxNh3K5wTD
AQABo4IDUzCCA8BuDgVDVR0PAQH/BADQAgWlMG08ggrBgEFBQcBAQOS8gTB/MEOG
SSCAQUFBzACHjhodHRwOi8vc2VjdXJ1Lmdsb2JjbHlpZ24uYy29tLT2NhyZ2YvdC9n
33zeY02c3NsY2EyMDE4LmludDA3BggrBgEFBQcCAYYraHR0cDovL29jc3AuZ2Zu
cmFsc2Fnbi5jb2V29Z3Nyc2FvdnlnbzGlnMjAxODBM8glVHSAETz8NMEEGCSsGAQQB
DzF1fDB4Q0MIGCCSGAQUFBwIBF1ZodHRwcwvL3d3dy5nbG91YmxzaWduLmlub3V5
29tL20b3J5LzAiBGZngUwQBAGTCwQCVDR0TBAIwADA/BgNVHR8ECDA2MDSGqAw
IAxiCHRwO18vY3JzLmdsb2JjbHlpZ24uYy29tLT2dzcnllh3Zzc2cxYTTLwMTGuY3J5

```



## Phase 1

## Phase 2

## Phase 3

## Phase 4

## Onboarding process view

# Windows

This section describes ways to test the connectivity on Windows-style servers using common connectivity testing tools.

This method requires execution in Powershell.

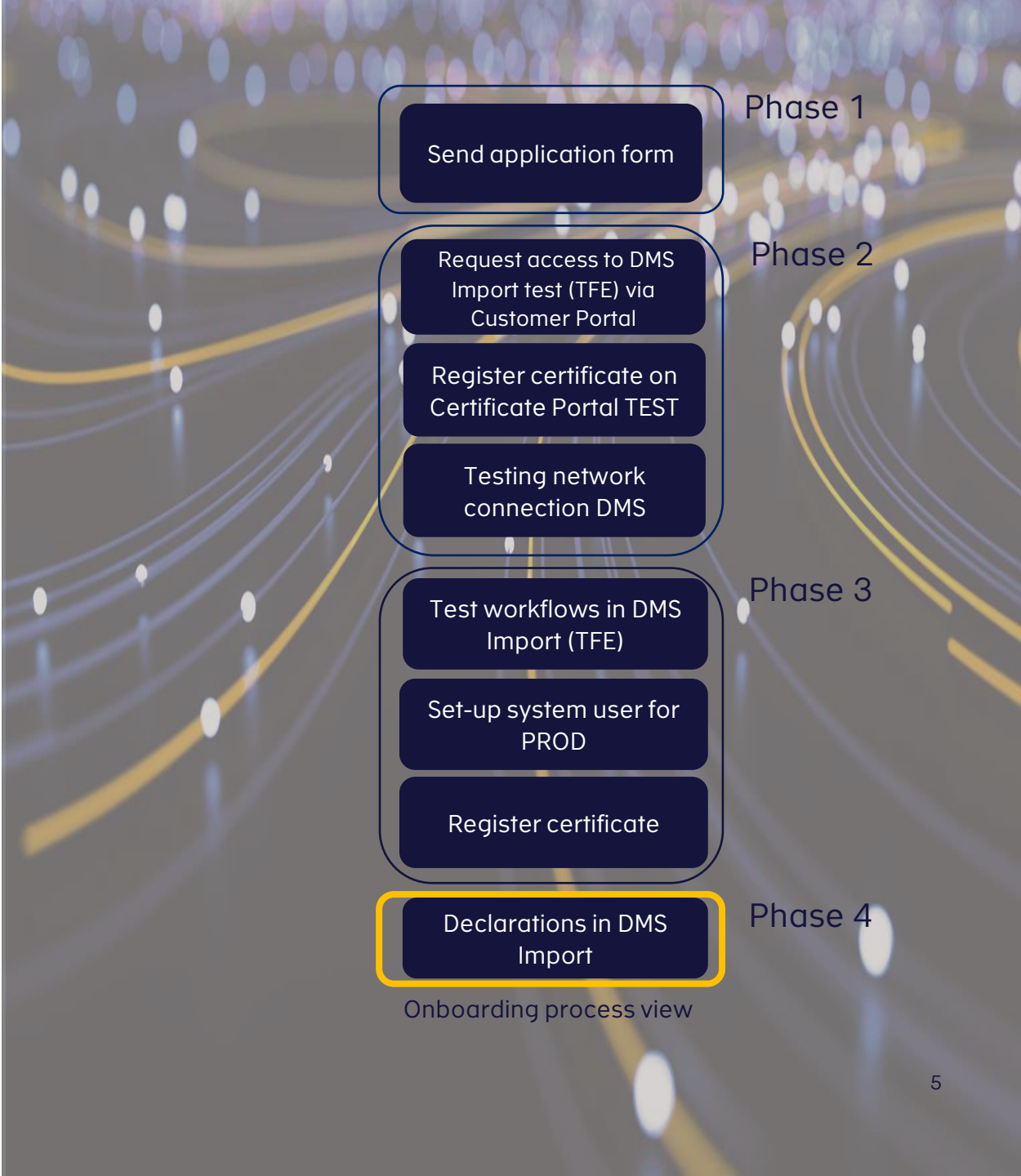
```
Test-NetConnection <Hostname>-Port 6384
```

```
PS Z:\> Test-NetConnection secureftpgatewaytest.skat.dk -Port 6384

ComputerName      : secureftpgatewaytest.skat.dk
RemoteAddress     : 195.85.251.85
RemotePort        : 6384
InterfaceAlias    : Ethernet 67
SourceAddress     : 192.168.146.12
TcpTestSucceeded  : True
```

## General test

Open <https://<Hostname>:6384> in a browser that has access to the internet - on a client setup that the internal network is set up as the accessing system. If it works, you will receive a 404 error.





# Appendix

Please turn to the extended [Connectivity guide](#) if you need more information about the AS4 Gateway. Furthermore, we recommend to visit the [AS4 Simple Client package](#) made for facilitating a client which can communicate with the AS4 Gateway and through it, the DMS Import system. This is not a plug and play solution but for inspiration.

The package covers the following:

- Converting an XML format declaration to an AS4 message
- Handles connectivity to the AS4 Gateway
- Encryption and signing of AS4 messages
- Sending AS4 messages to AS4 Gateway
- Receiving replies from AS4 Gateway

The package is written in Java and provided as Java dependency. For .NET based projects we recommend building a small Java based communication middleman REST API, which utilizes the simple AS4 client, that the existing .NET code can communicate with.

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