

# Phase 4 - Get connected

Step 3 – Test network connection

# **DMS Import**



دداء

# Step 3

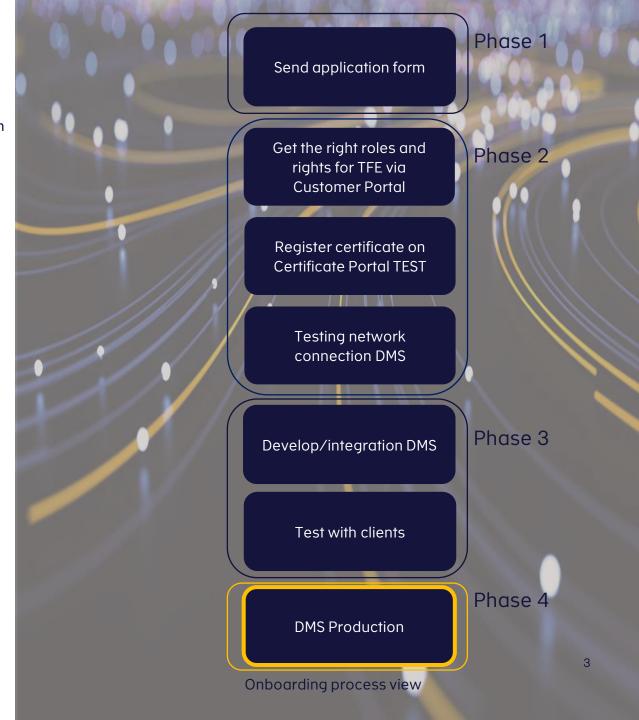
## Testing network connection

The next step is to verify the network access. If you are using the same certificate that has been set-up for production on DMS Export or Transit, you can skip 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 slides for different options.

#### **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>

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

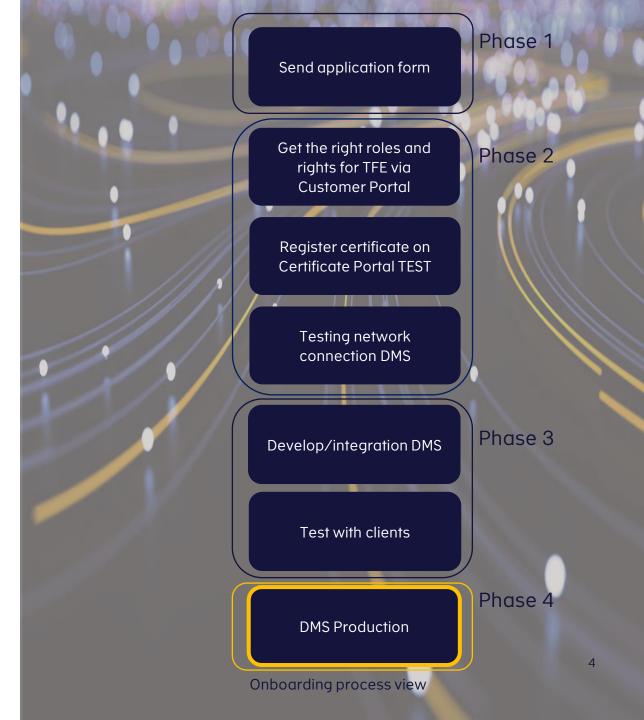
PORT STATE SERVICE
6384/tcp open unknown

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

#### Method #3 - openssl

openssls client-connect <Hostname>:443-showcerts

```
openssl s_client -connect secureftpgatewaytest.skat.dk:443 -showcerts
oth=2 OU = GlobalSign Root CA - R3, O = GlobalSign, CN = GlobalSign
pth=1 C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
pth=0 C = DK, ST = Copenhagen, L = Copenhagen Oe, O = Skatteforvaltningen, CN = secureftpgatewaytest.skat.dk
9743226499712:error:14094410:SSL routines:ssl3 read bytes:sslv3 alert handshake failure:../ssl/record/rec layer s3.c:1543:SSL alert number 40
 s:C = DK, ST = Copenhagen, L = Copenhagen Oe, O = Skatteforvaltningen, CN = secureftpgatewaytest.skat.dk
i:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
GqjCCBZKgAwIBAgIMdnhIln5QQEDNYMGVMA0GCSqGSIb3DQEBCwUAMFAxCzAJ
 VBAYTAkJFMRkwFwYDVQQKExBHbG91YWxTaWduIG52LXNhMSYwJAYDVQQDEx1H
 iYWxTaWduIFJTQSBPViBTU0wgQ0EgMjAxODAeFw0xOTExMTMwODIxMDhaFw0y
xMDQxMDExMDZaMH8xCzAJBgNVBAYTAkRLMRMwEQYDVQQIEwpDb3B1bmhhZ2Vu
WFAYDVQQHEw1Db3B1bmhhZ2VuIE91MRwwGgYDVQQKExNTa2F@dGVmb3J2YWx@
uZ2VuMSUwIwYDVQQDExxzZWN1cmVmdHBnYXRld2F5dGVzdC5za2F0LmRrMIIB
 NBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAsxOnlpLz6SJN9VAP1PJD2jK9
SB/fYPVvCs51fReb6KRqKQA8N47LXqeIz9+q6vqh4o+WAhgzqU5QOb7TfYsI8R
p1f8CTbJUG/cJypbz+x0DQFx2yjst0Q6DvDl2GNpctfuO/HCf9ZWk1AxKdke7w
wyZamao3wOwDdq5JFOQkSUØrdoqgx+zJbI+oicFEqgazh1h8n2geiOFRZryG
1SEUT/YZT2QUwSDtqUTrfhAzHfPeSf1H2P1Rp3Yhg3KTk68PAKRGrNMStT90uD
s6mG7iCRTc1K2q7aExYxPwxyR8QcQ7ySMS5iAFUU3o4c9s0651QFzWhzKSwID
Bo4IDUzCCA08wDgYDVR0PAQH/BAQDAgWgMIGOBggrBgEFBQcBAQS8gTB/MEQG
sGAQUFBzAChjhodHRwOi8vc2VjdXJlLmdsb2JhbHNpZ24uY29tL2NhY2VydC9n
zYW92c3NsY2EyMDE4LmNydDA3BggrBgEFBQcwAYYraHR0cDovL29jc3AuZ2xv
Fsc2lnbi5jb20vZ3Nyc2FvdnNzbGNhMjAxODBWBgNVHSAETzBNMEEGCSsGAQQB
IBFDA0MDIGCCsGAQUFBwIBFiZodHRwczovL3d3dy5nbG9iYWxzaWduLmNvbS9y
Bvc210b3J5LzAIBgZngQwBAgIwCQYDVR0TBAIwADA/BgNVHR8EODA2MDSgMqAw
```

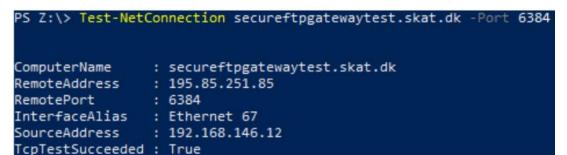


### Windows

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

This method requires execution in Powershell.

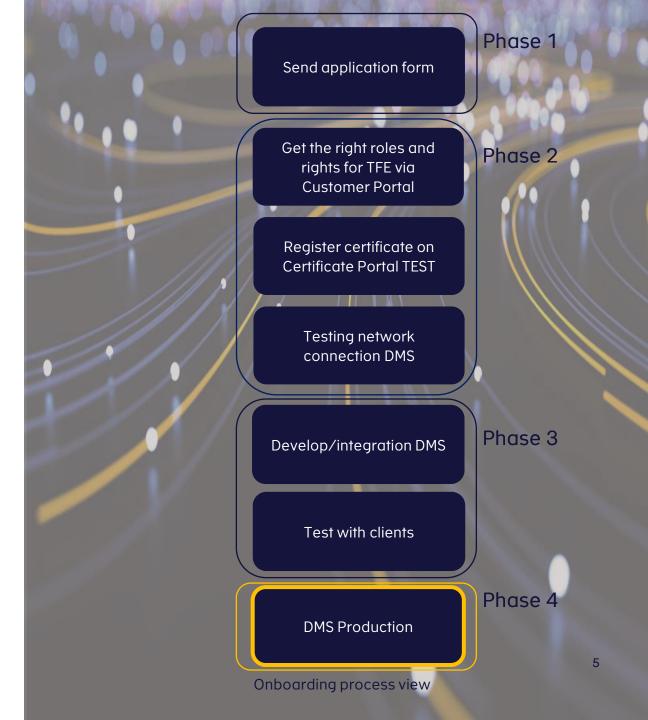
Test-NetworkConnection <Hostname>-Port 6384



### 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 <u>Connectivity guide</u> if you need more information about the AS4 Gateway. Furthermore, we recommend to visit the <u>AS4 Simple Client package</u> made for facilitating a client which can communicate with the AS4 portal and through it, the DMS Import system.

#### It 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. Integration with .NET based projects is therefore not as simple. 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.

#### Need technical support?

Go to <u>Customer Portal (Toolkit)</u> to book an online session or ask your question. To see frequently asked questions: Go to the website above click Documents and download **DMS Onboarding – FAQ.** 



