Phase 2 – Get connected

Step 3 – Test network connection

DMS Import

Onboarding mini guide for System-to-System users

Step 3

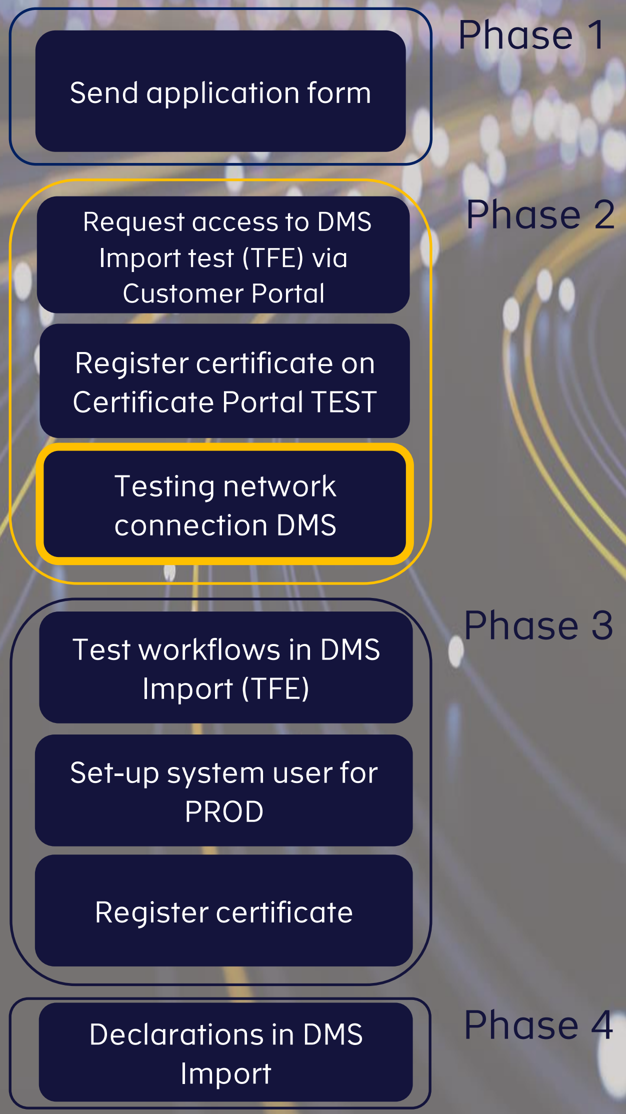
Testing network connection

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

AS4 Server details for TFE:

Hostname: secureftpgatewaytest.skat.dk Port: 6384 IP: 195.85.251.85



Phase 1

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Request access to DMS Import test (TFE) via Customer Portal

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Testing network connection DMS

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Test workflows in DMS Import (TFE)

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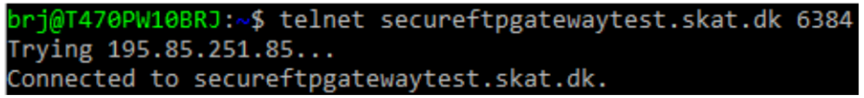
Unix

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

Method #1 – telnet

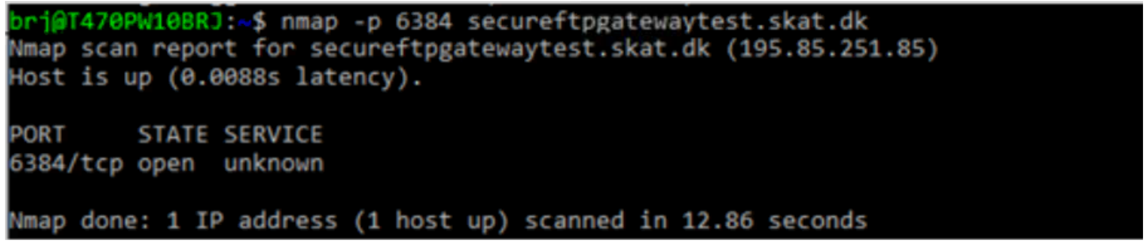
```
telnet <Hostname> 6384
```



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

Method #2 – nmap

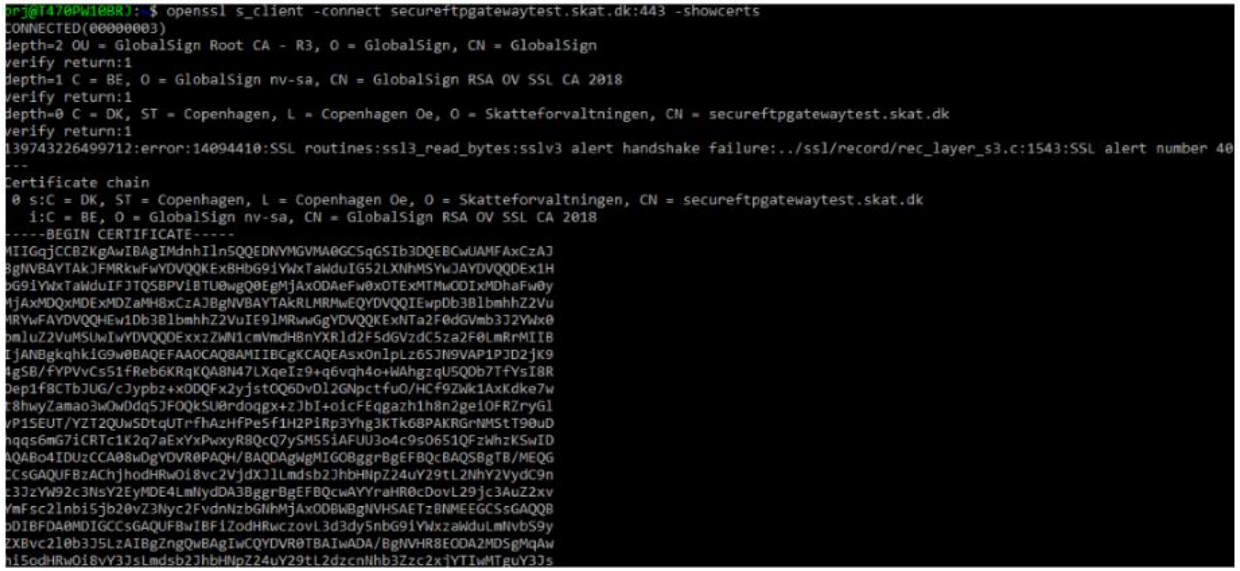
```
Nmap -p 6384 <Hostname>
```



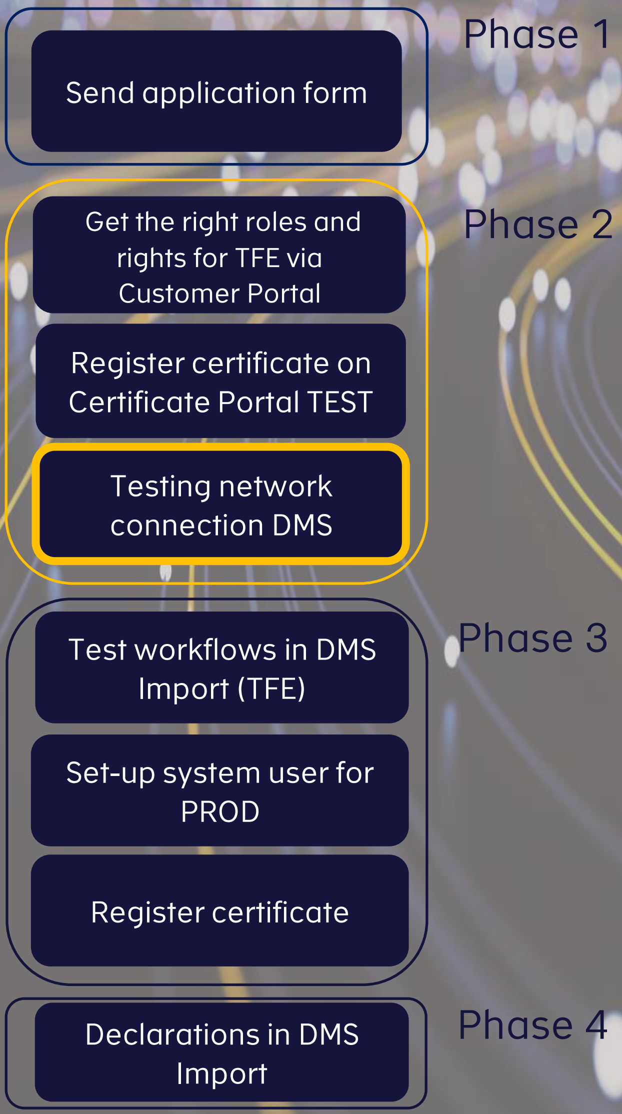
```
brj@T470PW10BRJ:~$ nmap -p 6384 secureftpgatewaytest.skat.dk
Nmap scan report for secureftpgatewaytest.skat.dk (195.85.251.85)
Host is up (0.0088s latency).

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
```



```
brj@T470PW10BRJ:~$ 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
   i:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
-----BEGIN CERTIFICATE-----
MIIGqjCCBZKgAwIBAgIMdnhIln5QQEDNYMGVMA0GCSqGSIb3DQEBCwUAMFAxCzAJ
BgNVBAYTAkJFMRkwFwYDVQQKExBHbG9iYWxTaWduIG52LXNhMSYwJAYDVQQDEx1H
bG9iYWxTaWduIFJTQSBPViBTU0wgQ0EgMjAxODAeFw0xOTExMTMwODIxMDhaFw0y
MjAxMDQxMDExMDZaMH8xCzAJBgNVBAYTAkRLMRMwEQYDVQQIEwpDb3BlbmhhZ2Vu
MRYwFAYDVQQHEw1Db3BlbmhhZ2VuIE9lMRwwGgYDVQQKExNTa2F0dGVmb3J2YWx0
bmluZ2VuMSUwIwYDVQQDExxzZWN1cmVmdHBnYXRld2F5dGVzdC5za2F0LmRrMIIB
IjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAsxOnlpLz6SJN9VAP1PJD2jK9
4gSB/fYPVvCs51fReb6KRqKQA8N47LXqeIz9+q6vqh4o+WAhgzqU5QDb7TfYsI8R
Dep1f8CTbJUG/cJypbz+xODQFx2yjstOQ6DvDl2GNpctfuO/HCf9ZWk1AxKdke7w
t8hwyZamao3wOwDdq5JFOQkSU0rdoqgx+zJbI+oicFEqgazh1h8n2gei0FRZryGl
vP1SEUT/YZT2QUwSDtqUTrfhAzHfPeSf1H2PiRp3Yhg3KTk68PAKRGrNMStT90uD
hqqs6mG7iCRTc1K2q7aExYxPwxyR8QcQ7ySM55iAFUU3o4c9sO651QFzWhzKSwID
AQABo4IDUzCCA08wDgYDVR0PAQH/BAQDAgWgMIGOBggrBgEFBQcBAQSBgTB/MEQG
CCsGAQUFBzAChjhodHRwOi8vc2VjdXJlLmdsb2JhbHNpZ24uY29tL2NhY2VydC9n
c3JzYW92c3NsY2EyMDE4LmNydDA3BggrBgEFBQcwAYYraHR0cDovL29jc3AuZ2xv
YmFsc2lnbi5jb20vZ3Nyc2FvdnNzbGNhMjAxODBWBgNVHSAETzBNMEEGCSsGAQQB
oDIBFDA0MDIGCCsGAQUFBwIBFiZodHRwczovL3d3dy5nbG9iYWxzaWduLmNvbS9y
ZXBvc2l0b3J5LzAIBgZngQwBAgIwCQYDVR0TBAIwADA/BgNVHR8EODA2MDSgMqAw
hi5odHRwOi8vY3JsLmdsb2JhbHNpZ24uY29tL2dzcnNhb3Zzc2xjYTIwMTguY3Js
```



Phase 1

Send application form

Phase 2

Get the right roles and rights for TFE via Customer Portal

Register certificate on Certificate Portal TEST

Testing network connection DMS

Phase 3

Test workflows in DMS Import (TFE)

Set-up system user for PROD

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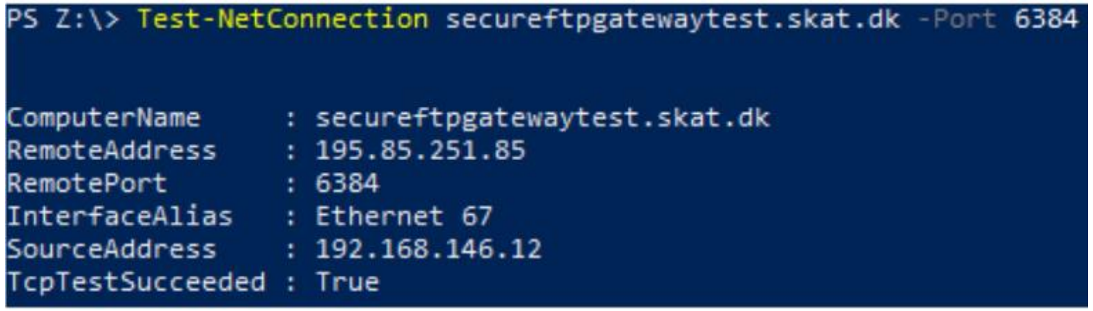
Windows

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

This method requires execution in Powershell.

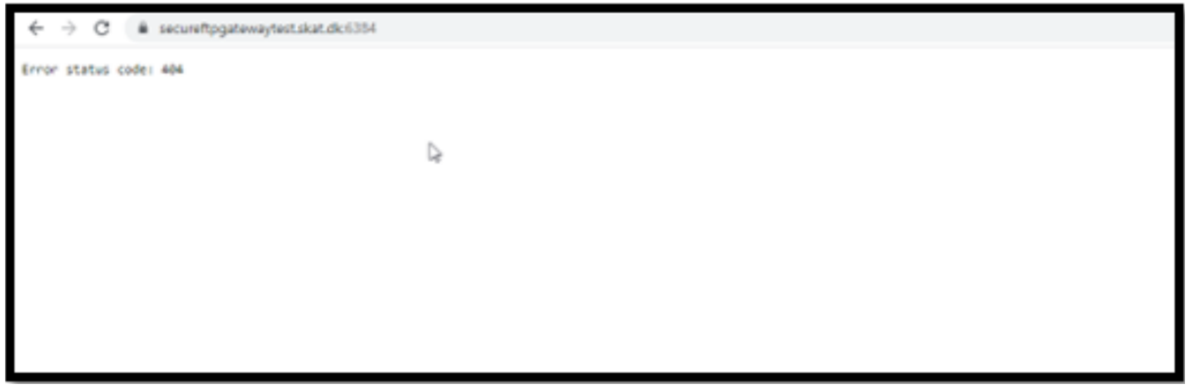
```
Test-NetworkConnection <Hostname>-Port 6384
```



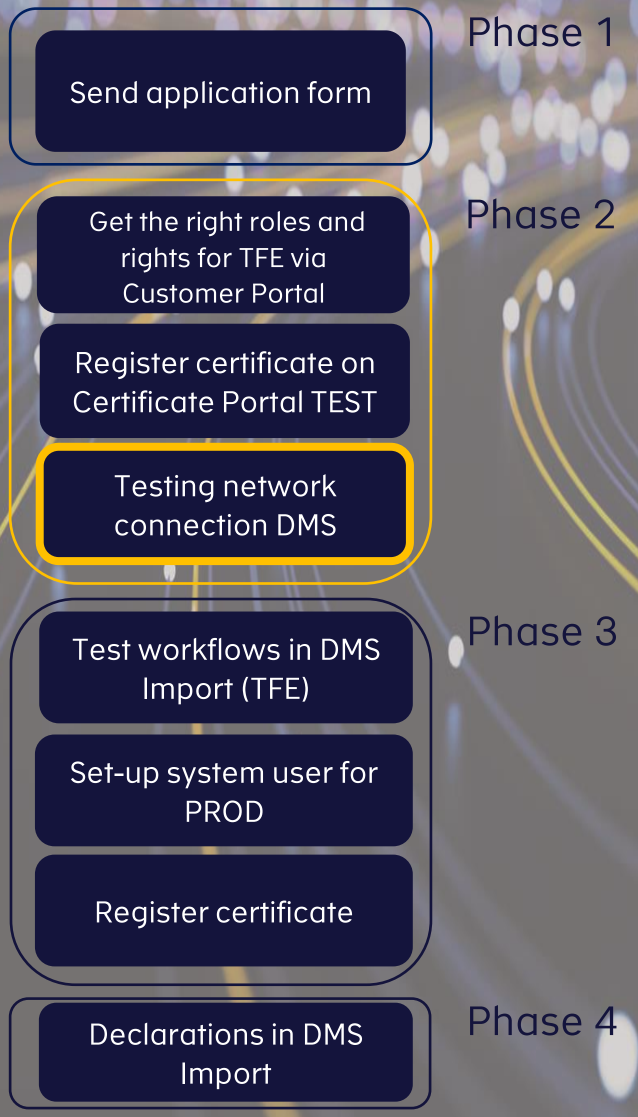
```
PS Z:\> Test-NetConnection secureftpgatewaytest.skat.dk -Port 6384


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.



```
Error status code: 404
```



Phase 1

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Get the right roles and rights for TFE via Customer Portal

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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.

Need technical support?

Go to Customer Portal (Toolkit) 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.**