Cài đặt Microsoft ADFS

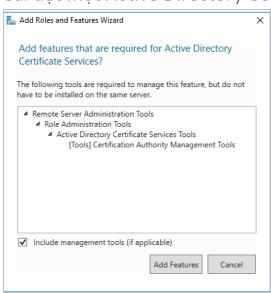
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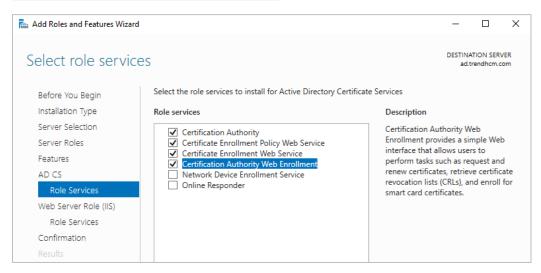
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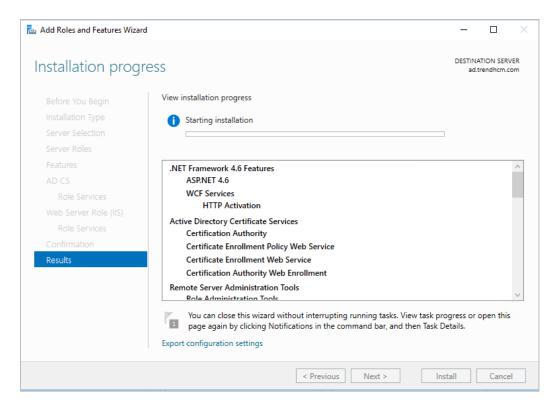
Lưu ý khi cài đặt trên EC2

- 1/ Sau khi cài đặt AD thành công. Cấu hình DHCP option-set với DNS trỏ về AD vừa tạo. Sau đó cấu hình VPC sử dụng DHCP option-set mới
- 2/ Tạo mới ADFS. EC2 VM sẽ tự động lấy IP/DNS theo cấu hình mới. Security Group có thể mất nên phải tạo lại RDP rule để truy cập lại.

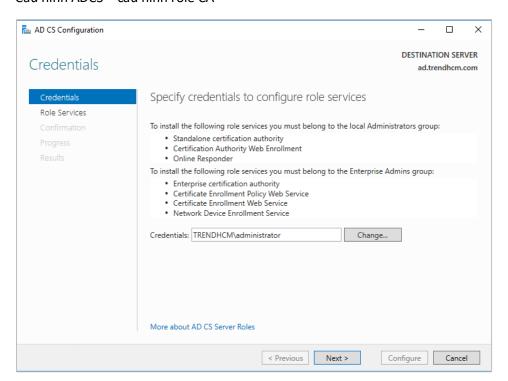
Cài đặt một Active Directory Certificate Service (ADCS)

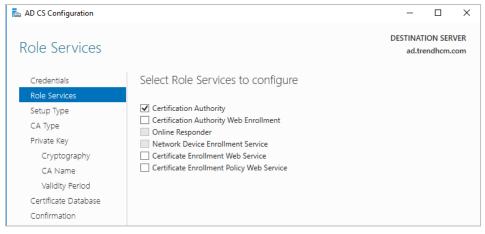


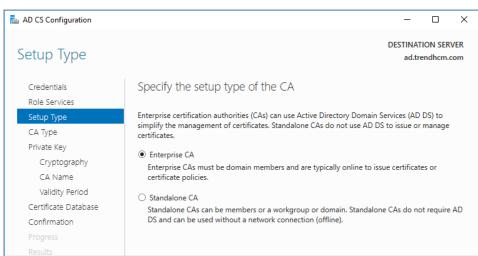


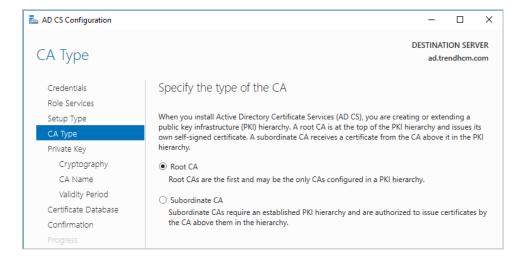


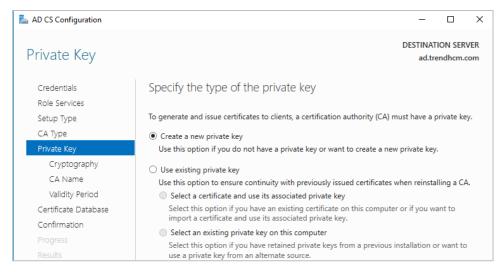
Cấu hình ADCS - cấu hình role CA

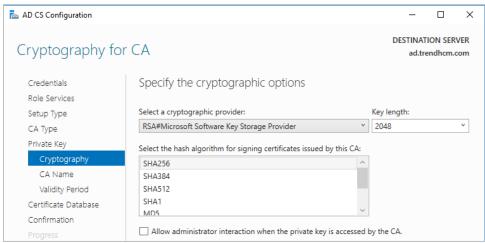


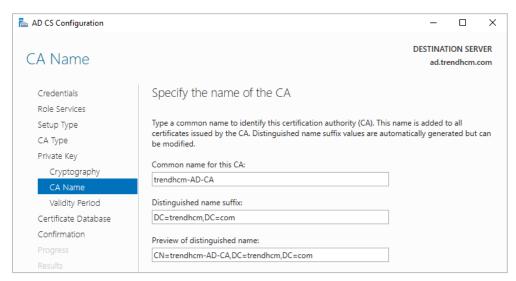




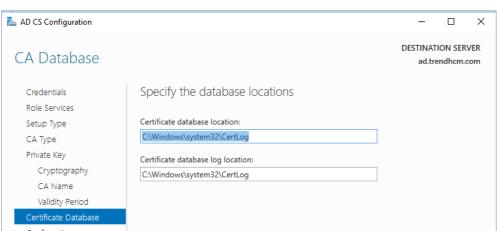


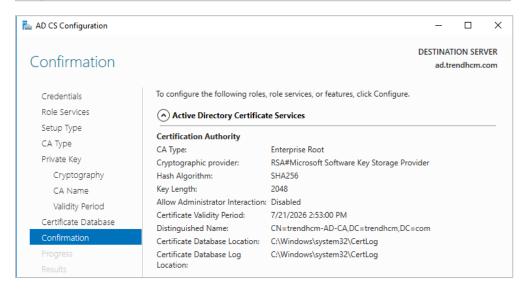


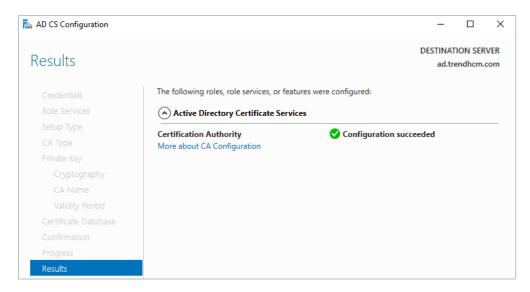




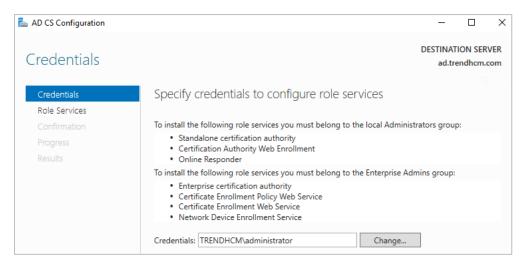


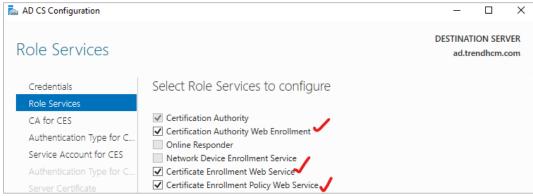


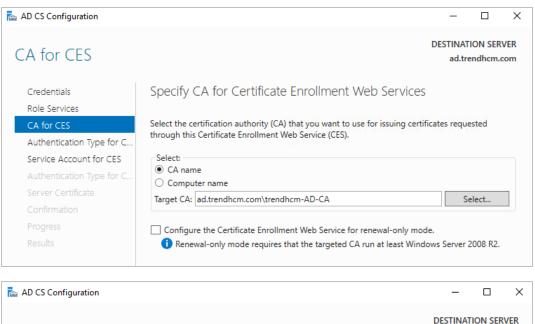




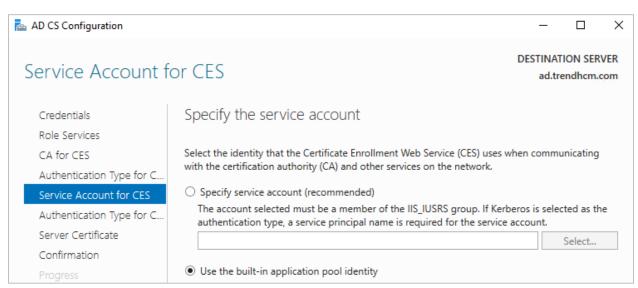
Cấu hình ADCS role service khác



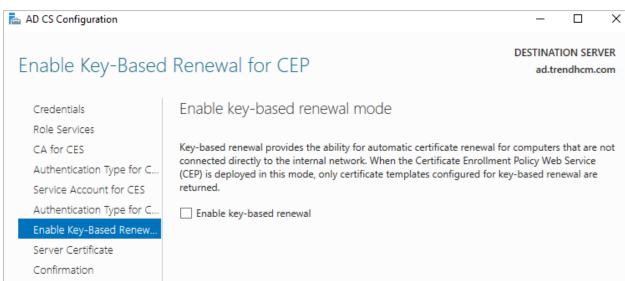


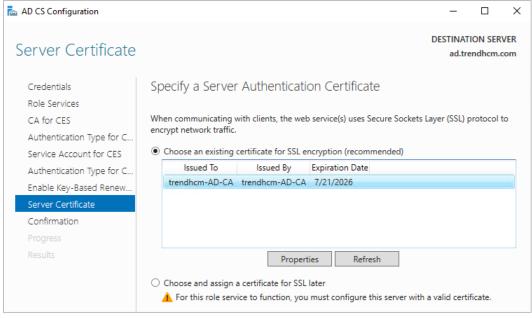


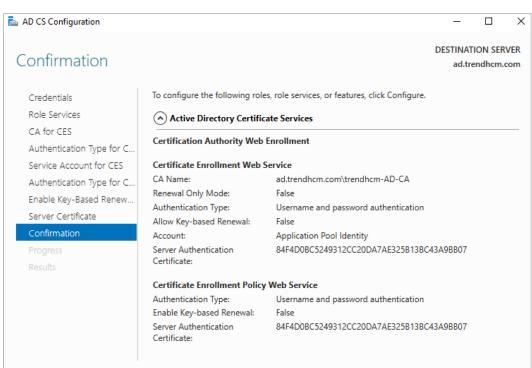


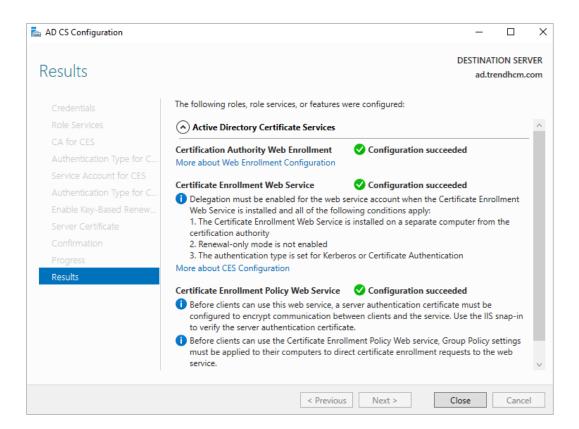








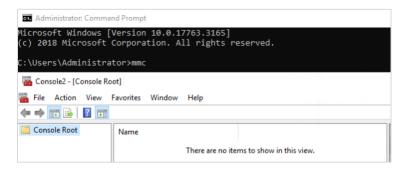




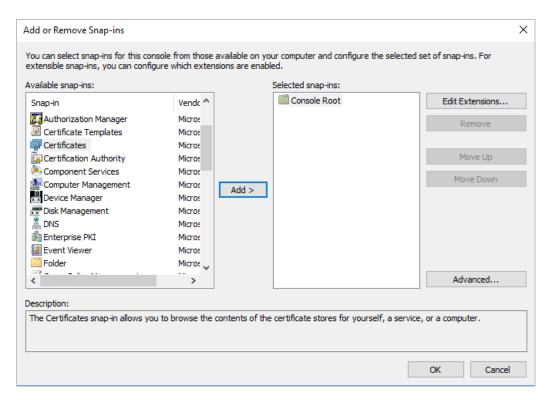
Cấu hình certificate service cho máy chủ AD

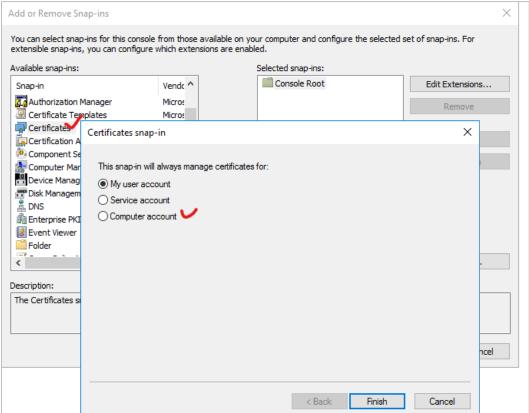
Cấu hình trên AD server

Access vào MMC trên máy ADCS: https://docs.microsoft.com/en-us/dotnet/framework/wcf/feature-details/how-to-view-certificates-with-the-mmc-snap-in

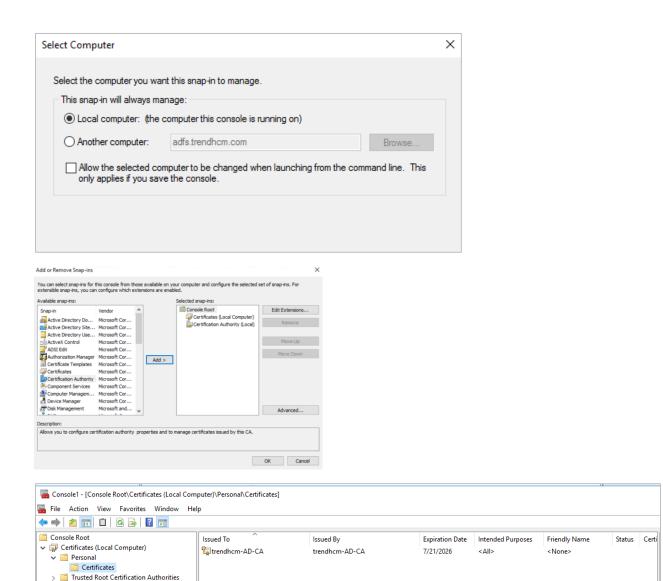


File >> Add/Remove Snap In





Note: chon Computer account

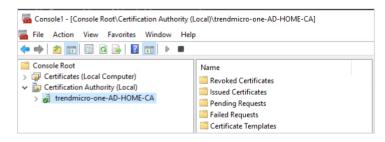


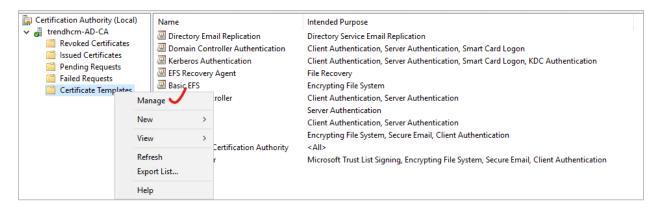
Config a template

> Enterprise Trust

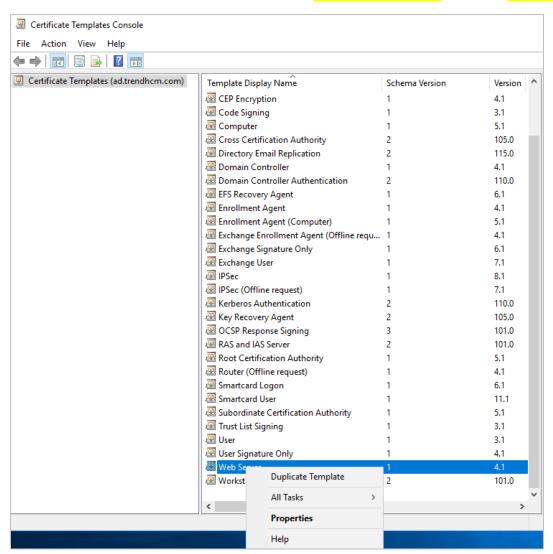
> Trusted Publishers
> Untrusted Certificates

> Intermediate Certification Authorities

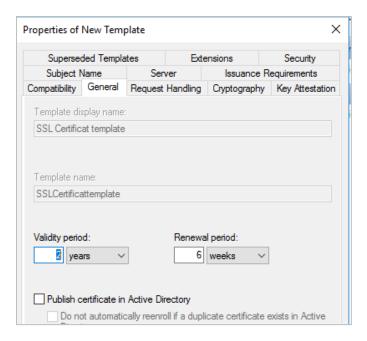




In the Certificate Templates snap-in, right-click the Web Server template and select Duplicate.

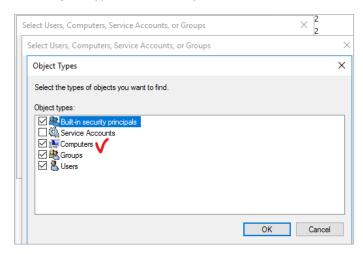


>> Click Duplicate Template



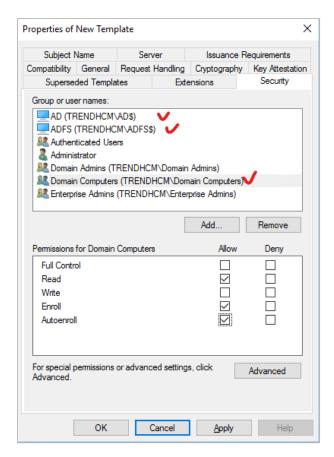
On the Security tab, click Add.

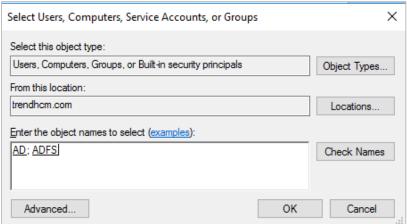
Click Object Types, check Computers, and then click Ok.



Click Check Names and then lick OK.

With Domain Computers selected, check read, enroll, and auto-enroll permissions.

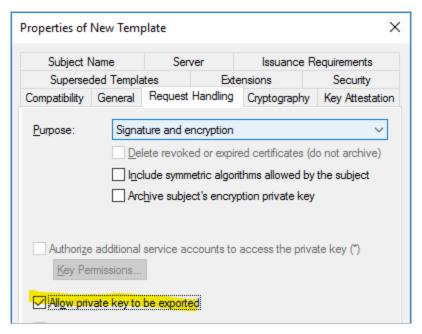


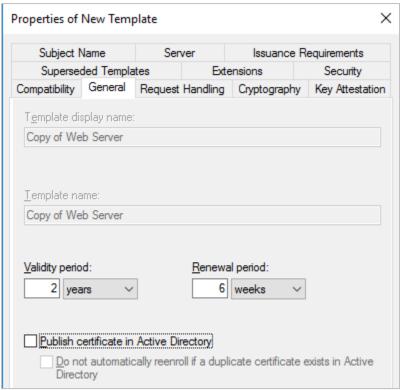


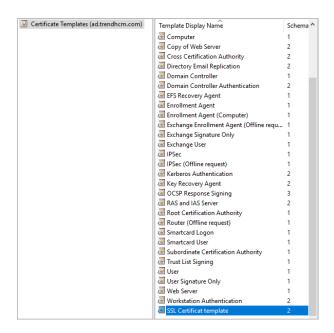
On the Request Handling tab, check the Allow private key to be exported box.

On the General tab, update the template display name to SSL Certificate Template or similar.

Click OK to save the new template.

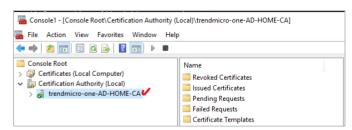




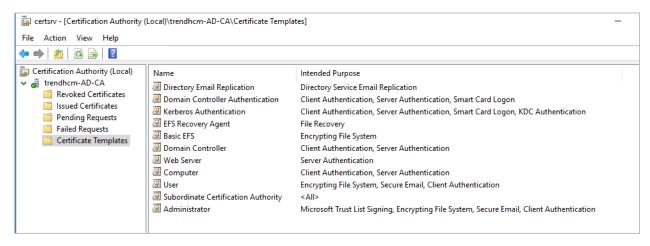


Assign a template to a CA

Under Certification Authority (Local), expand the node with the CA name.

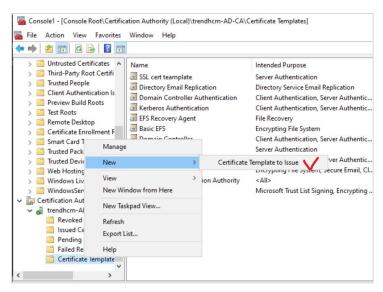


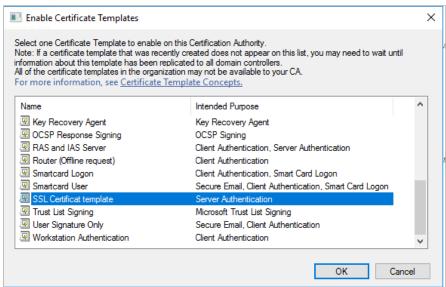
Click to select the Certificate Templates container (under the CA name, not the Certificate Templates snap-in).

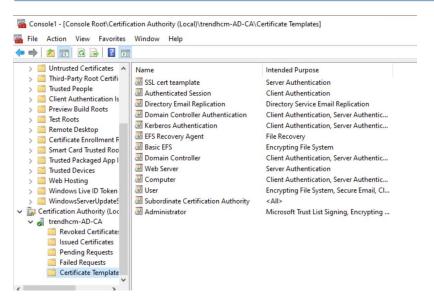


Right click the container and select New, and then Certificate Template to Issue.

Select SSL Certificate Template and click OK.



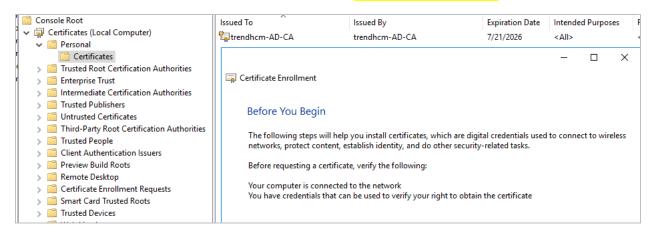




Request and enroll a new SSL certificate for AD FS (still configure on AD server)

Open the MMC window and add the Certificates snap-in for the local Computer account.

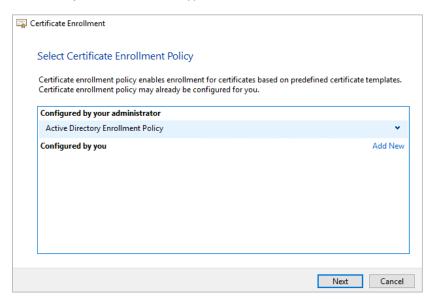
Right-click the [Personal] node and choose [All Tasks] -> [Request New Certificate]

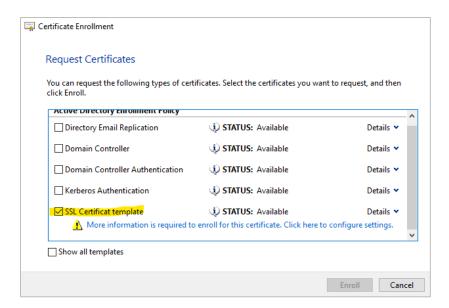


Click Next twice to get to the Request certificates page. Your can see the template you created in the previous step.

Click the More information is required... link.

Under Subject name, under Type, select Common name.

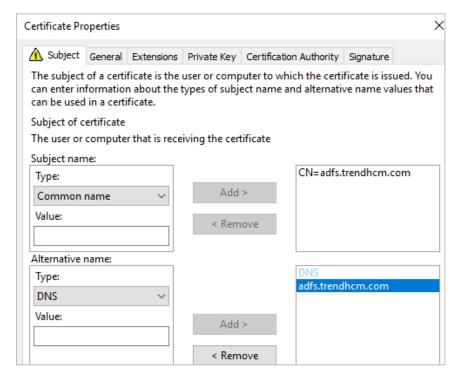




Enter your federation service name, for example "fs.contoso.com" and then click Add.

Under Alternative name, under Type, select DNS.

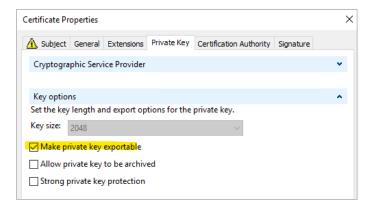
Using the same process, add a subject alternative name of type DNS for your federation service name, for example, "fs.contoso.com" (the same name you added above).



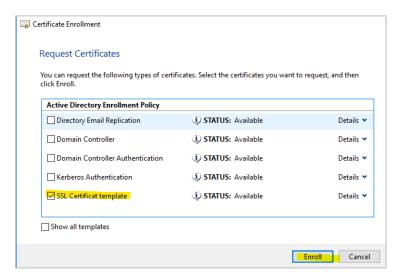
If you are using AD FS with DRS, add an additional SAN of type DNS for each UPN suffix in use in your environment, for example "enterpriseregistration.contoso.com".

Click the Private Key tab.

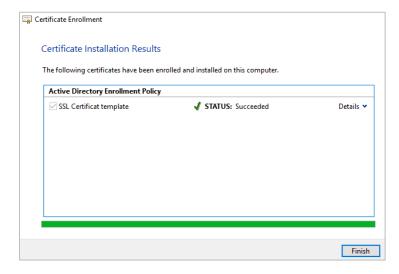
Under Key options, ensure the Make private key exportable option is checked and click OK.

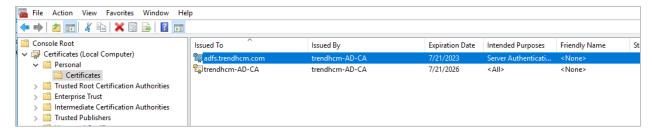


Back on the Request Certificates wizard page, ensure the checkbox for the template is checked and click Enroll.



You can now see the certificate you requested and enrolled in the Personal store in the Certificates snap-in.



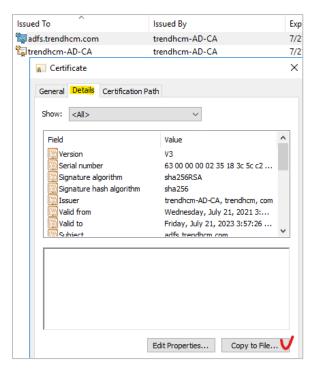


Export the SSL certificate to a .PFX file

In the Certificates snap-in for the Local Machine, click the Personal store.

Double-click the SSL certificate you used for your federation service.

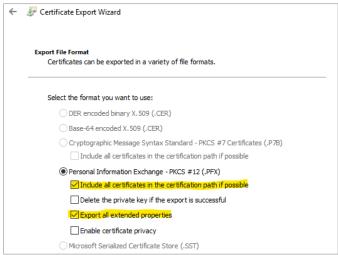
On the Details tab, click Copy to file and then click Next in the wizard.

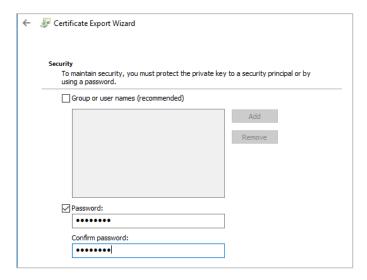


Ensure .pfx is selected, Include all certificates in the certification path if possible and Export all extended properties are checked and then click Next.

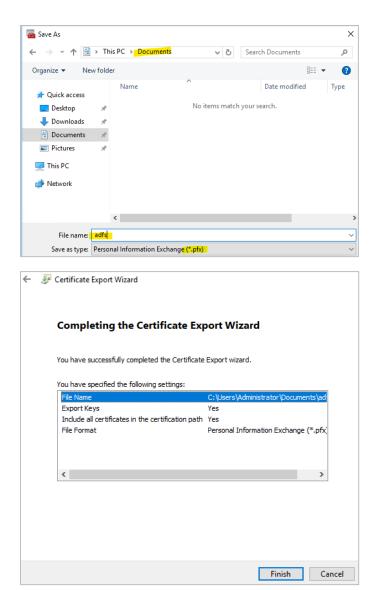
Select Password, enter a password, and then click Next.



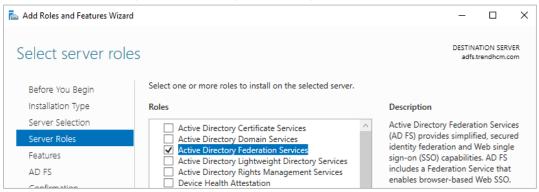


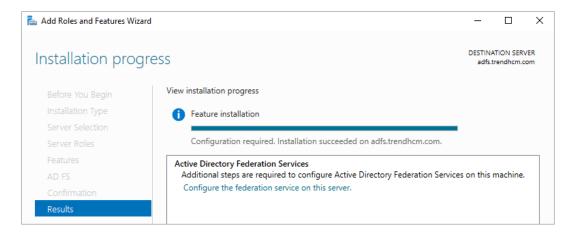


Select a file location and name, click Next, and then click Finish.

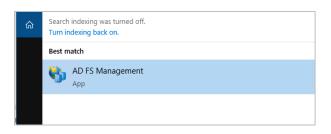


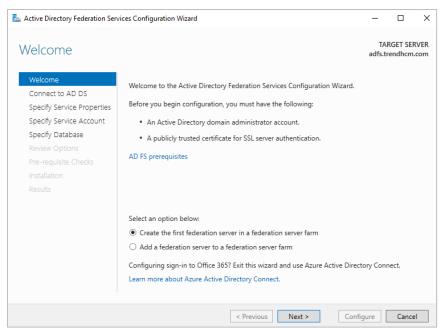
Cài đặt một máy chủ ADFS (Tại DMZ) và cấu hình ADFS



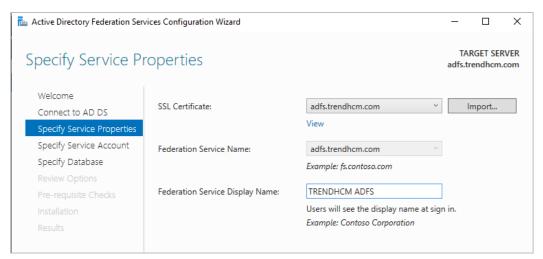


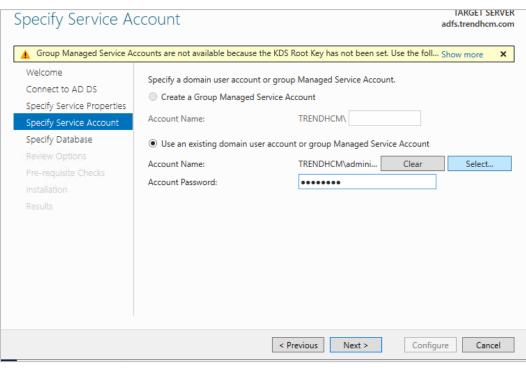
Open ADFS management

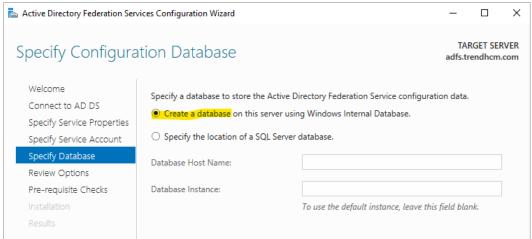


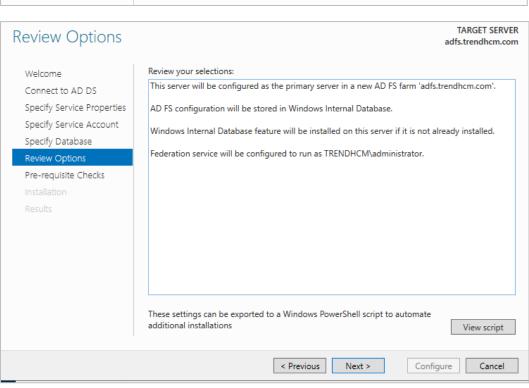


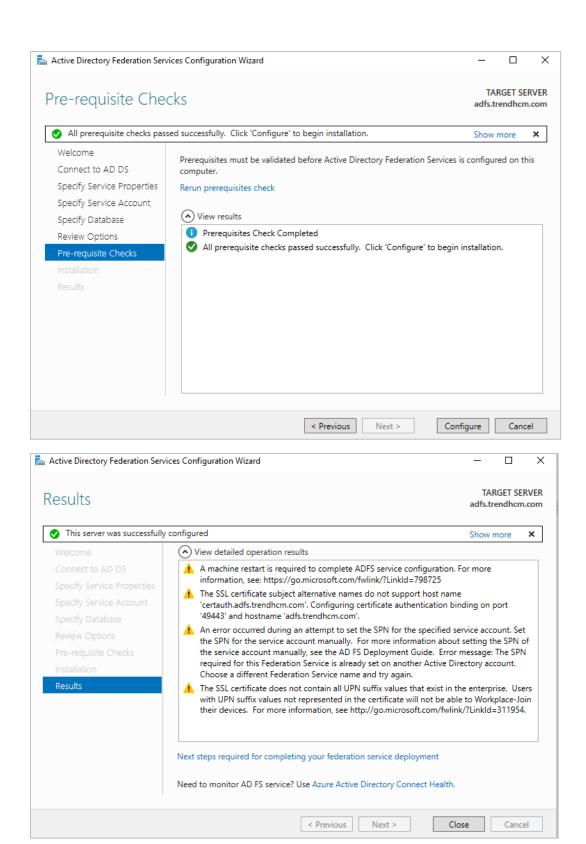












Completed install ADFS

Test

https://adfs.trendmicro-one.com/adfs/fs/federationserverservice.asmx

