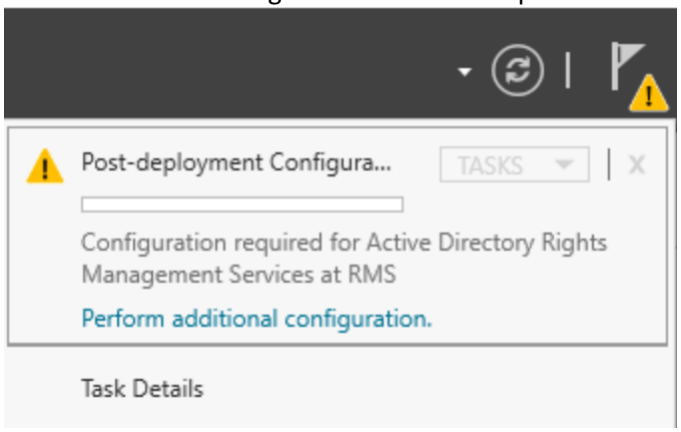
ADRMS
=======

1. Install AD RMS role and related management tool
   Install-WindowsFeature ADRMS -IncludeManagementTools

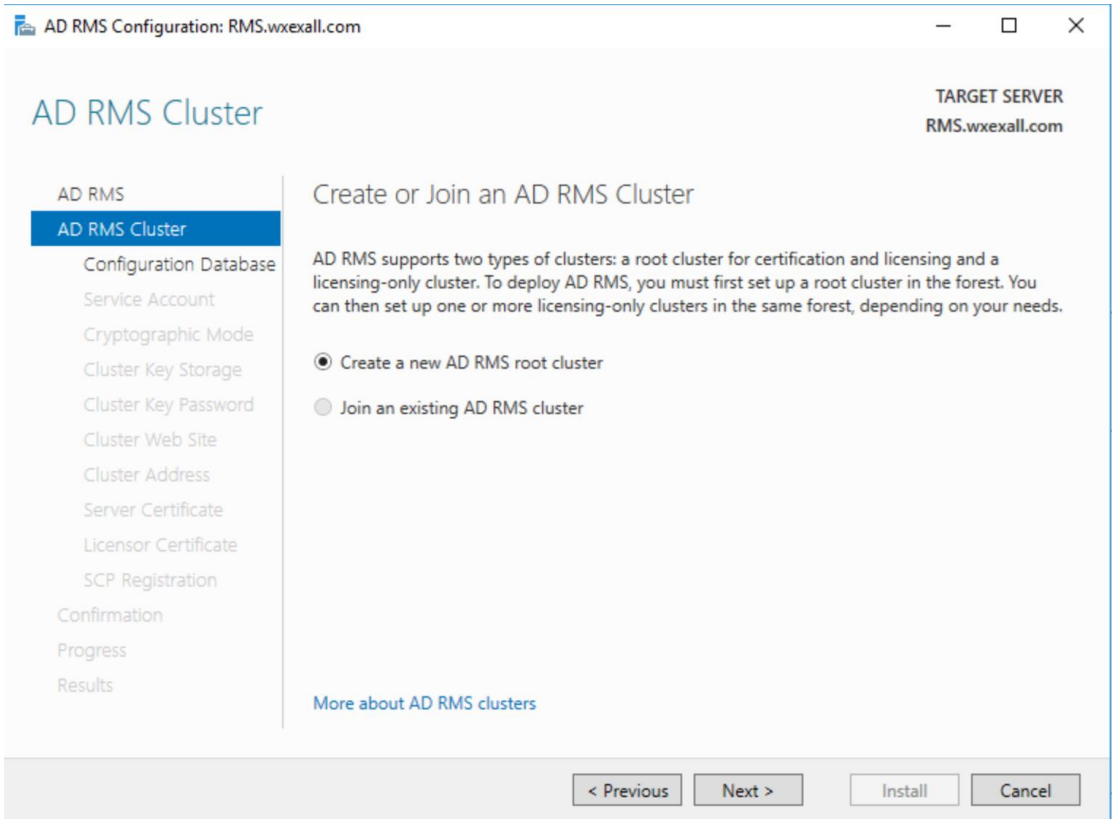
```
PS C:\windows\system32> Install-WindowsFeature ADRMS -IncludeManagementTools

Success Restart Needed Exit Code      Feature Result
------- -------------- ---------      --------------
True    No             NoChangeNeeded {}
```

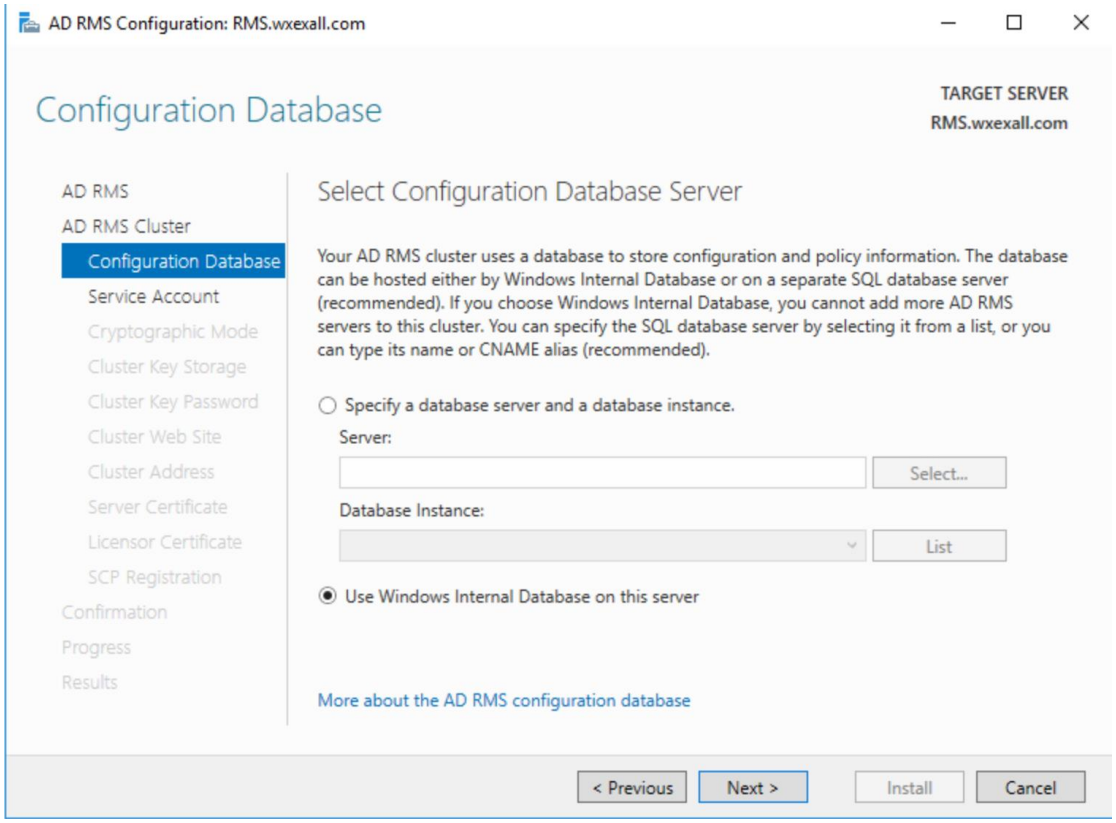
2. Launch server manager -> notification -> perform additional configuration



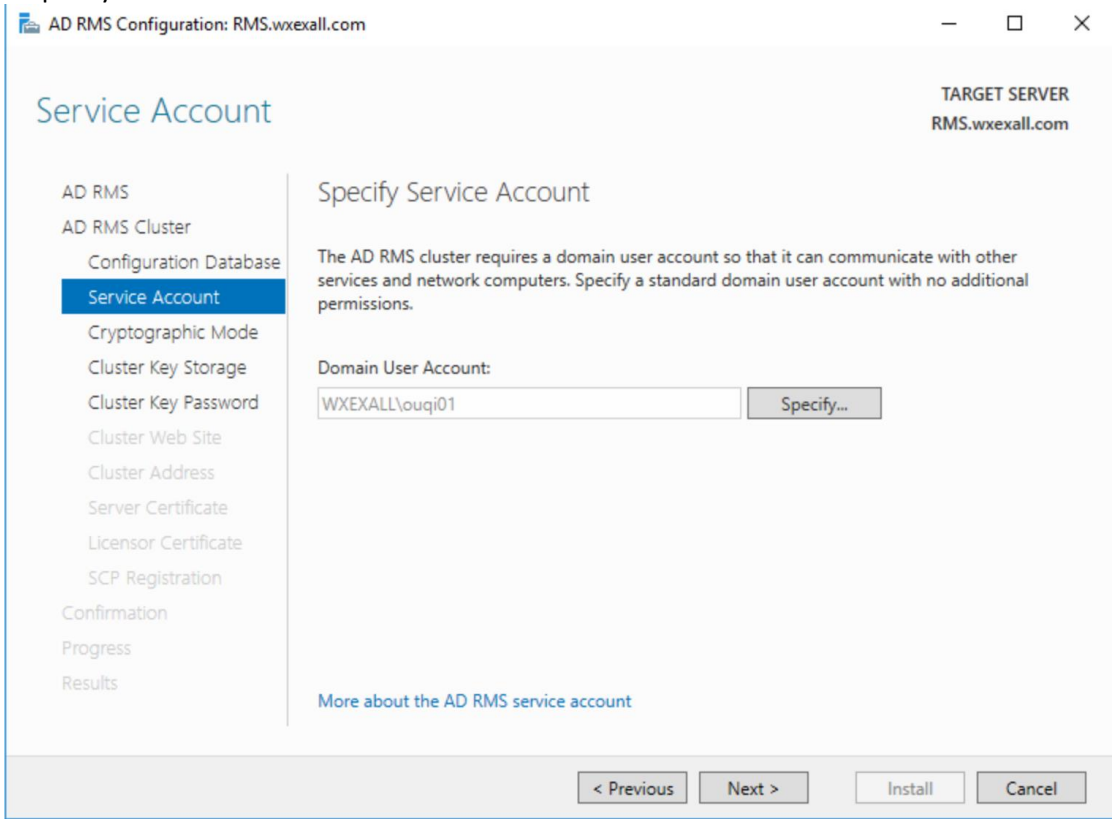
3. Choose "create a new AD RMS root cluster"



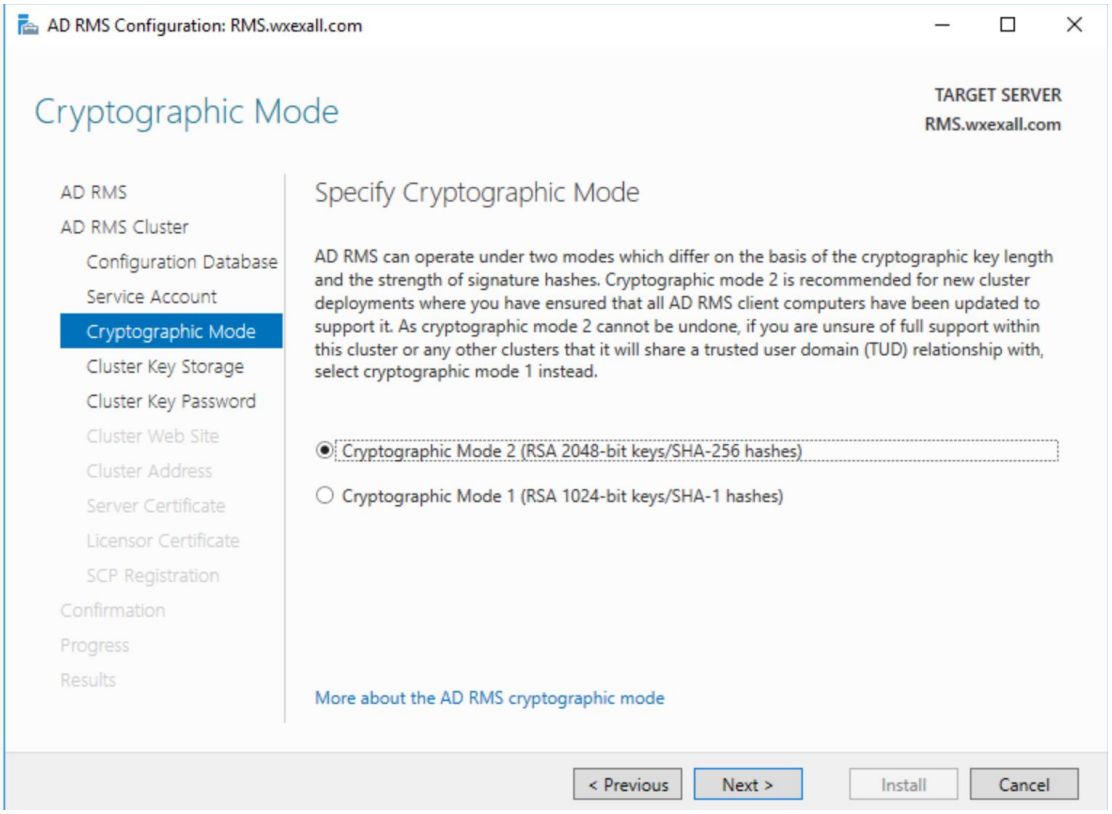
4. Choose "use windows internal database on this server" since we don't have SQL server database here



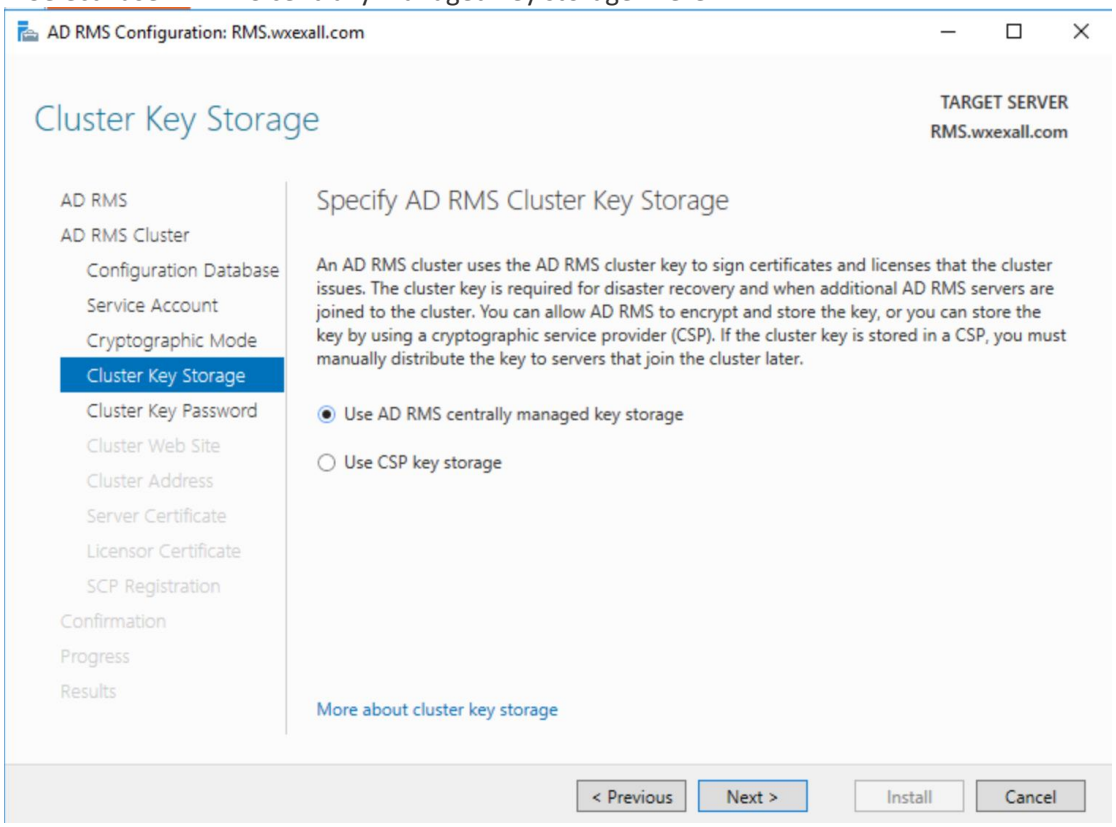
5. Specify a service account



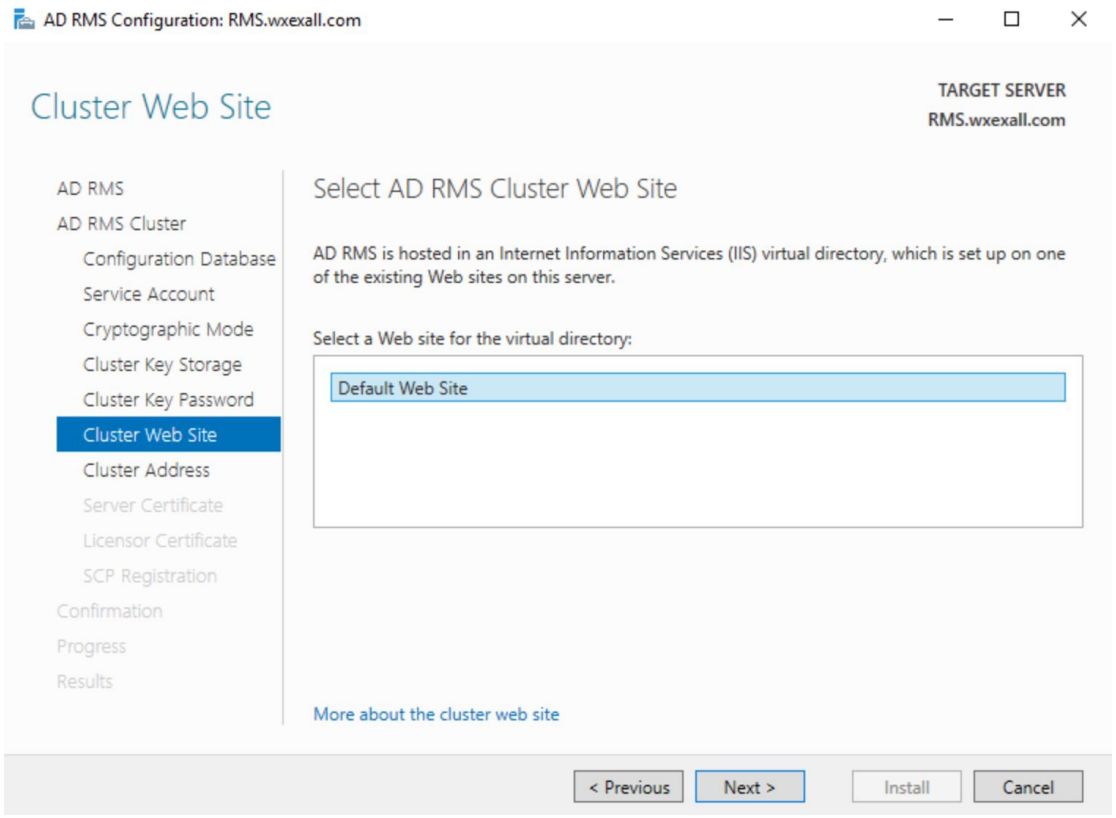
6. **Select** Cryptographic mode 2



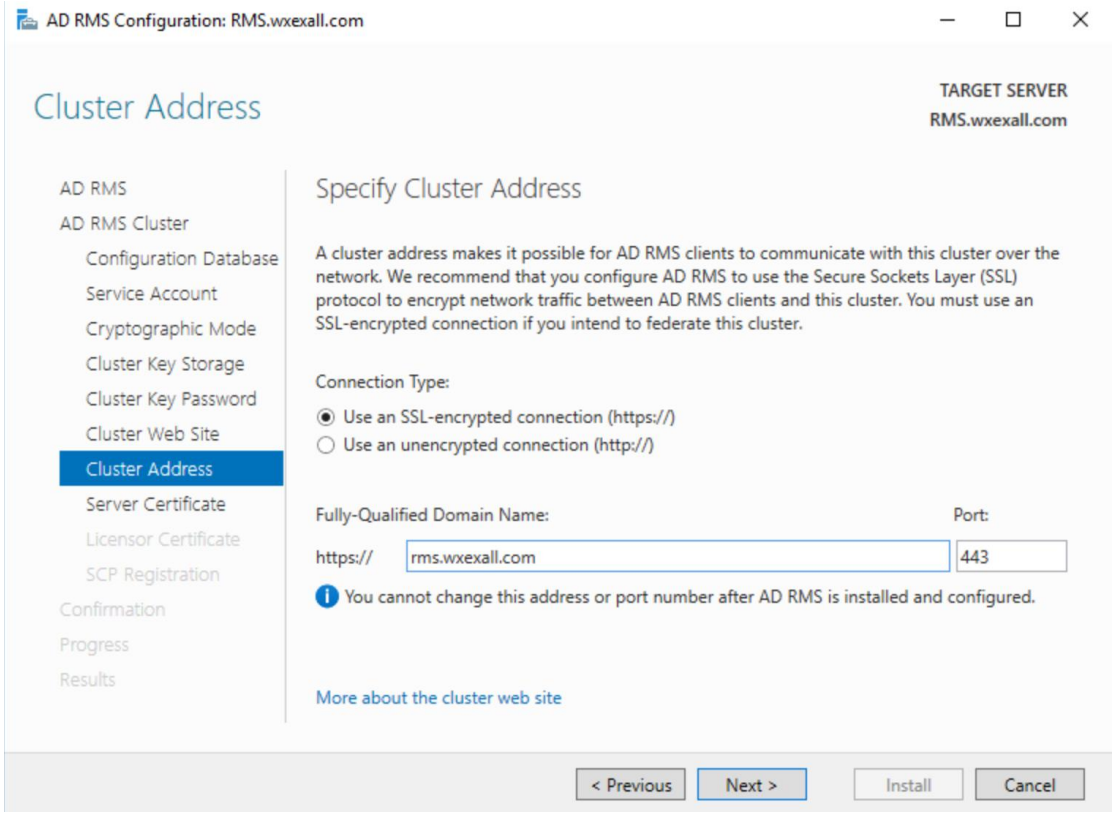
7. Select "use AD RMS centrally managed key storage" here



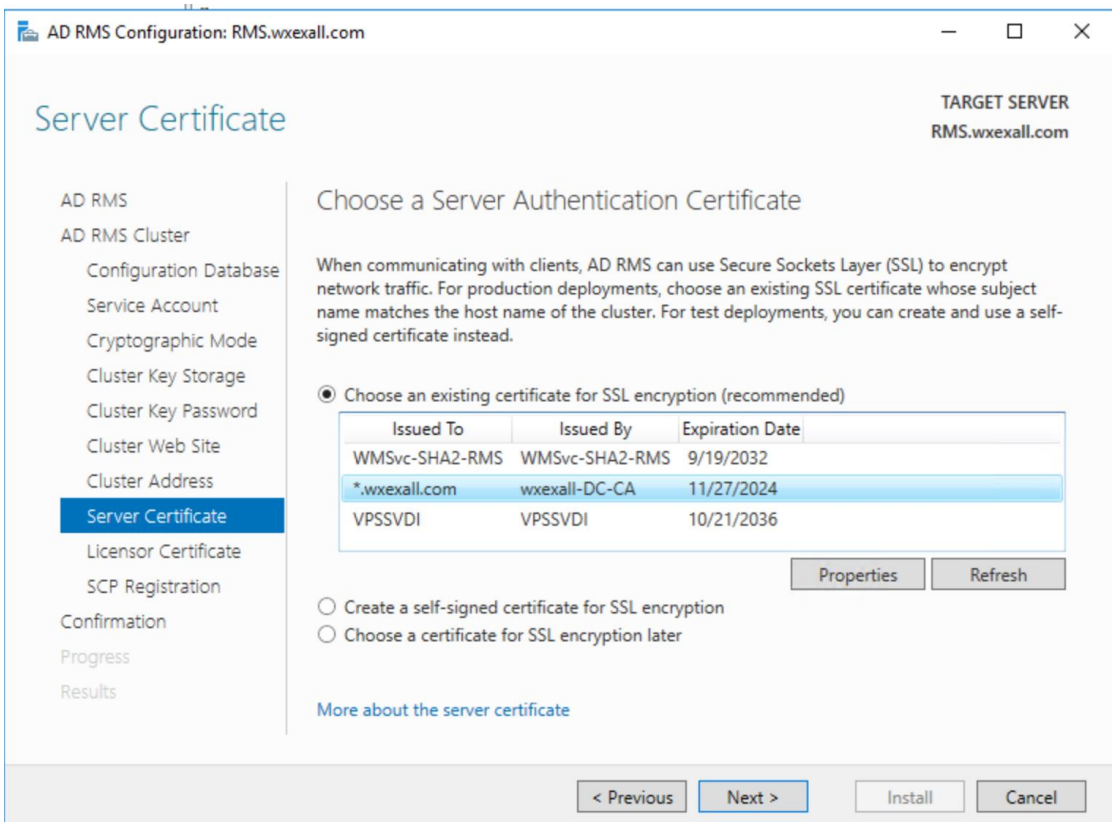
8. Select the web site



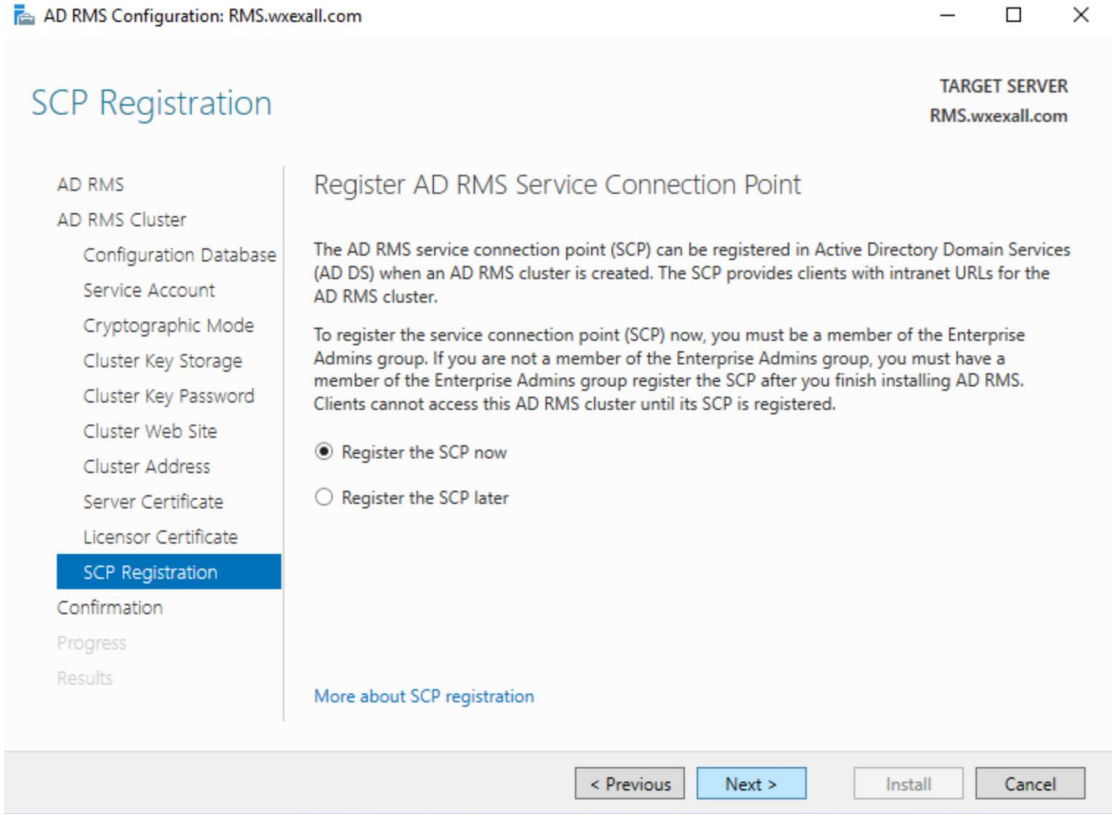
9. Enter the address



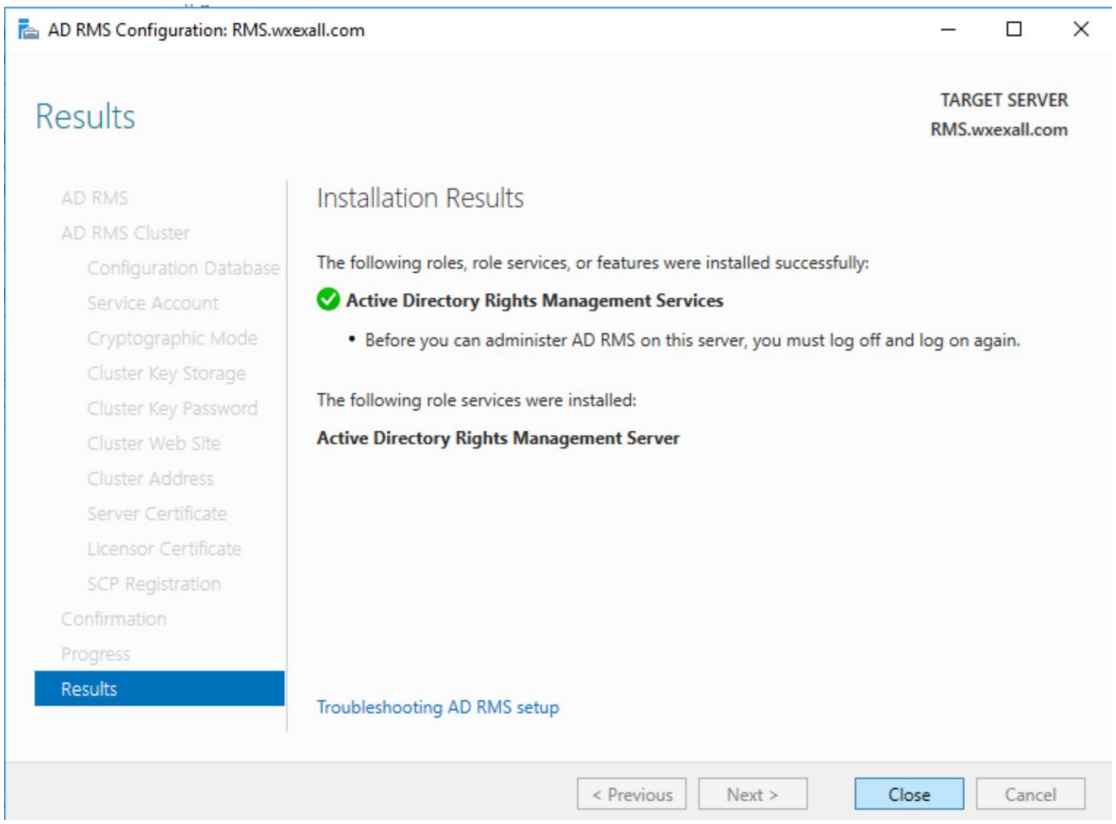
10. Select the certificate



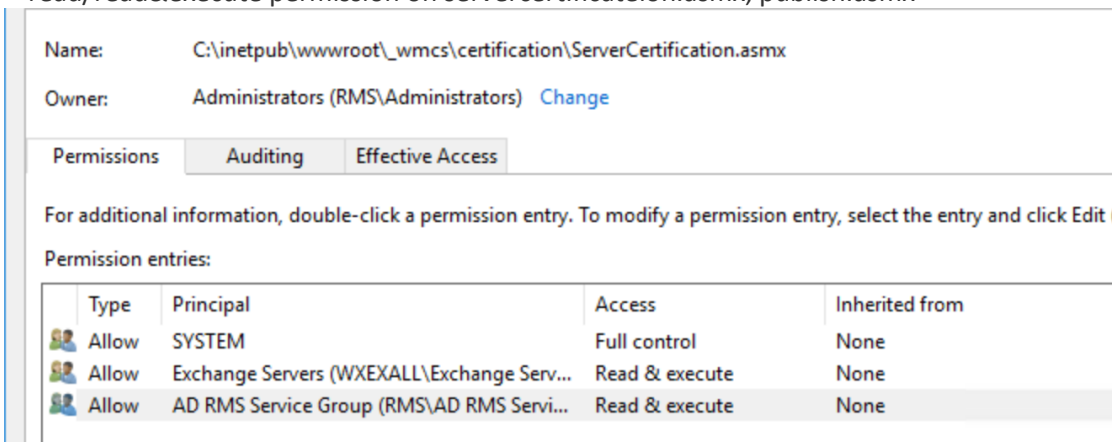
11. Register SCP now

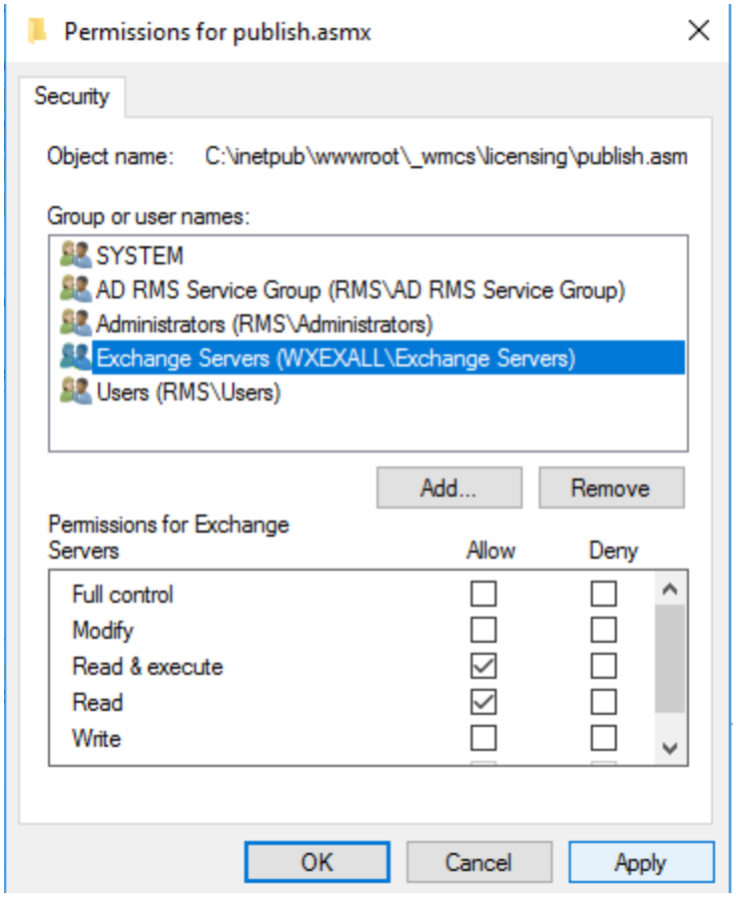


12. Install the RMS service

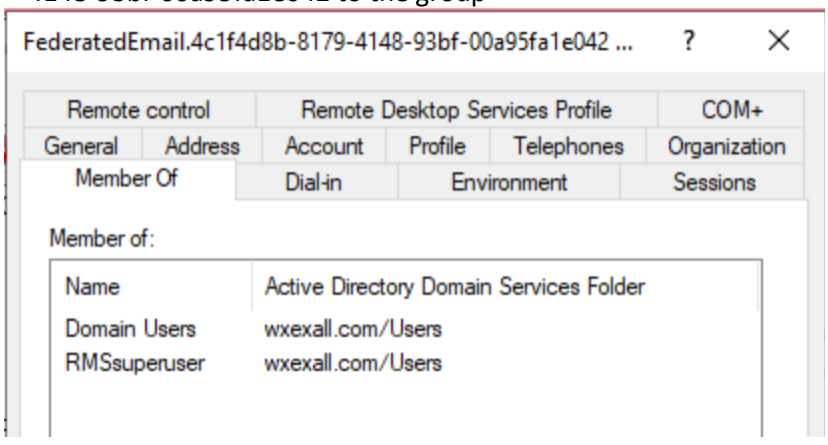


13. Confirm exchange servers group and AD RMS service group have read/read&execute permission on servercertificateion.asmx, publish.asmx

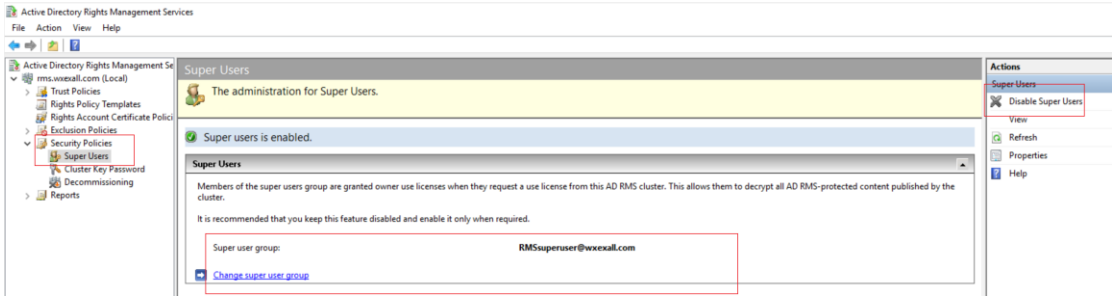




14. Log off rms server and log on again.
15. Create a RMS super user group, and add FederatedEmail.4c1f4d8b-8179-4148-93bf-00a95fa1e042 to the group



16. Open active directory rights management service -> security policies -> super user -> enable super users -> change super user group -> choose the rms super user group



17. Set-IRMConfiguration -InternalLicensingEnabled $true and reset IIS

```
[PS] C:\windows\system32>Set-IRMConfiguration -InternalLicensingEnabled $true
[PS] C:\windows\system32>
[PS] C:\windows\system32>
[PS] C:\windows\system32>
[PS] C:\windows\system32>Get-IRMConfiguration


InternalLicensingEnabled        : True
ExternalLicensingEnabled        : False
AzureRMSLicensingEnabled        : False
TransportDecryptionSetting      : Optional
JournalReportDecryptionEnabled  : True
SimplifiedClientAccessEnabled   : False
ClientAccessServerEnabled       : True
SearchEnabled                   : True
EDiscoverySuperUserEnabled      : True
RMSOnlineKeySharingLocation     :
RMSOnlineVersion                :
ServiceLocation                 :
PublishingLocation              :
LicensingLocation               : {}
```

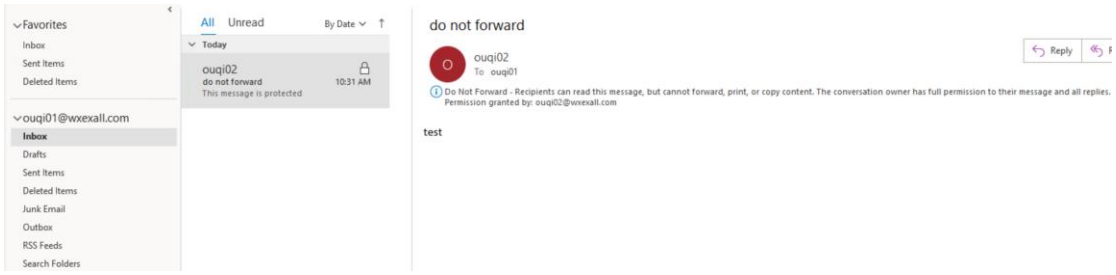
18. Test-irmconfiguration, confirming the result is pass

```
[PS] C:\windows\system32>Test-IRMConfiguration -Sender ouqi01@wxexall.com


Results : Checking Exchange Server ...
              - PASS: Exchange Server is running in Enterprise.
          Loading IRM configuration ...
              - PASS: IRM configuration loaded successfully.
          Retrieving RMS Certification Uri ...
              - PASS: RMS Certification Uri: https://rms.wxexall.com/_wmcs/certification.
          Verifying RMS version for https://rms.wxexall.com/_wmcs/certification ...
              - PASS: RMS Version verified successfully.
          Retrieving RMS Publishing Uri ...
              - PASS: RMS Publishing Uri: https://rms.wxexall.com/_wmcs/licensing.
          Acquiring Rights Account Certificate (RAC) and Client Licensor Certificate (CLC) ...
              - PASS: RAC and CLC acquired.
          Acquiring RMS Templates ...
              - PASS: RMS Templates acquired.
          Retrieving RMS Licensing Uri ...
              - PASS: RMS Licensing Uri: https://rms.wxexall.com/_wmcs/licensing.
          Verifying RMS version for https://rms.wxexall.com/_wmcs/licensing ...
              - PASS: RMS Version verified successfully.
          Creating Publishing License ...
              - PASS: Publishing License created.
          Acquiring Prelicense for 'ouqi01@wxexall.com' from RMS Licensing Uri
          (https://rms.wxexall.com/_wmcs/licensing) ...
              - PASS: Prelicense acquired.
          Acquiring Use License from RMS Licensing Uri (https://rms.wxexall.com/_wmcs/licensing) ...
              - PASS: Use License acquired.

          OVERALL RESULT: PASS
```

Also, the encrypted message can be successfully opened in outlook


Favorites
Inbox
Sent Items
Deleted Items
ouqi01@wxexall.com
Inbox
Drafts
Sent Items
Deleted Items
Junk Email
Outbox
RSS Feeds
Search Folders
All
Unread
By Date
Today
ouqi02
do not forward
This message is protected
10:31 AM
do not forward
O
ouqi02
To ouqi01
Reply
Do Not Forward - Recipients can read this message, but cannot forward, print, or copy content. The conversation owner has full permission to their message and all replies.
Permission granted by: ouqi02@wxexall.com
test