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WEB SERVICES

Web Services

WINDOWS SERVICES

Windows Services

- SharePoint Foundation ...
- SharePoint Server Search
  - HKLM\System\CurrentControlSet\Services\VSS\
    - Diag
    - AccessAccessControl
- Claims to Windows Token Service
  - depends on Cryptographic Services
  - %programfiles%\Windows Identity Foundation
  - c2wts.exe.config – Allowed Callers
- Forefront Identity Manager ...
  - depends on Cryptographic Services

Lab: Delayed Load

- Configure all windows services that start Automatically to start with Automatic (Delayed)
- Or use the following dependency:
  - sc config c2wts depend=CryptSvc

Foundation Search

- Windows Service
- Compiles an index from content databases
- Index processed locally in the data folder and later saved into the instance's database
- WFE reads index directly from the index database

Lab: Foundation Search

- Create gps\sp-fsearch and gps\sp-crawl accounts
- Start foundation search instances on WFE2 and WSA2
  - use computer specific database names
- Reconfigure intranet web application (its content databases) to use the WSA2's index

Web Services

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Service Components

- Service
  - general term for the functional technology
- Service Databases
  - databases used to store service config data
- Service Instance
  - list of WSA servers that run the binaries
- Web Service Application
  - HTTP/S web service running on 32843/32844 port on servers with Service Instances

Installing Services

- Enable Service Instance on desired servers
  - will be used during Web Service Application provisioning
- Define managed accounts for web service applications
- Create Web Service Applications
- Define WSA properties and administrators

Lab: Managed Metadata Services

- Connect WSA1 to the farm
- Create sp-mms AD account and add it to the required AD groups
- Define sp-mms SharePoint managed account
- Start Managed Metadata Services service instance on the WSA1 server
- Create new MMS Web Service Application

Lab: Verify MMS

- Verify MMS service virtual directory in IIS on WSA1 and application pool
  - Get-SPServiceApplicationEndPoint
  - Anonymous Authentication
- Verify MMS database in SPSERVICES SQL instance and the sp-mms login
- Verify HTTP connection to
  - http://wsa1:32843/<ID>/MetadataWebService.svc?wsdl

Service Connections

- Get-SPServiceApplication
  - .DefaultEndpoint
  - .Endpoints
- Get-SPServiceApplicationEndpoint

- $mms.DefaultEndpoint =
- $mms.Update()
- $mms.Provision()

HTTPS Service Endpoints

- Get-SPTrustedRootCertificateAuthority
- New-SPTrustedRootCertificateAuthority

- Certificate Requirements:
  - Subject/SAN: localhost, wsa1
  - Trusted Issuer
- To let rename certificate to FQDN
  - Rename-SPServer wsa1.gopas.virtual

Having Workflow Timer running on a back-end

- Workflow Timer service instance must be running on a WFE normally, or use the following (KB2674684)
  - $webapp = Get-SPWebApplication -identity http://<web app name>
  - $webapp.UpdateWorkflowConfigurationSetttings()