

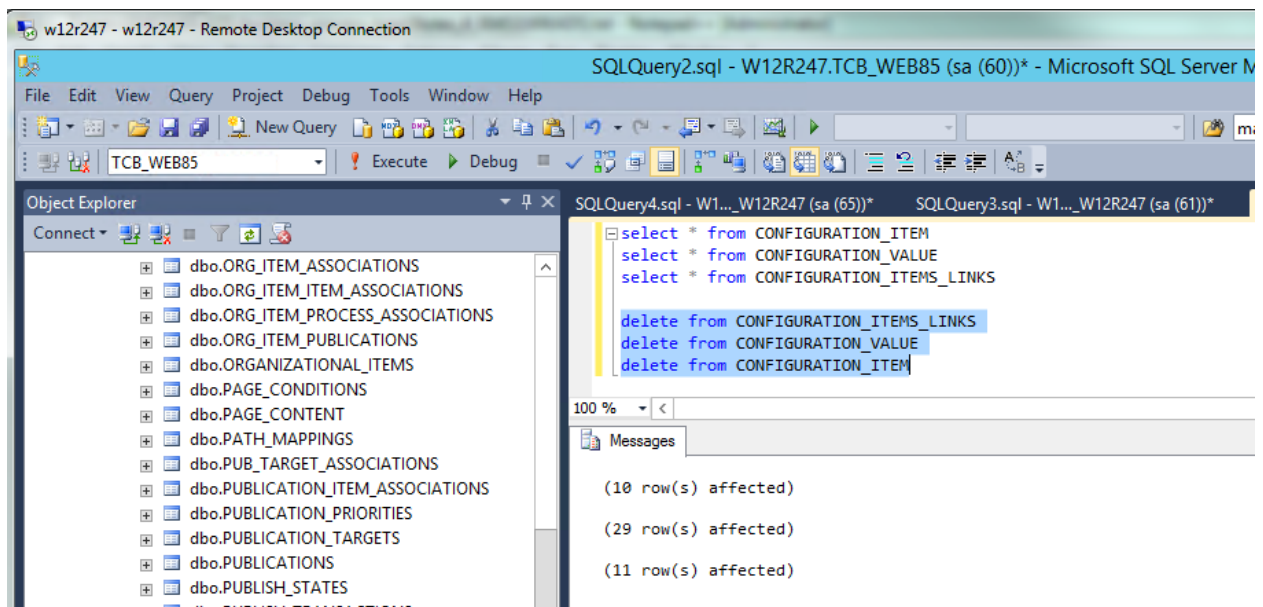
Refreshing the discovery service database

As the discovery service is first installed and running/stopping, then some issues/errors occurred, and subsequently new hotfixes applied, there is a chance there is something in the database that could introduce some GUI error(s). Refreshing the data is the easiest and cleanest way to get the database refreshed.

Steps:

- 1) Stop the discovery services (and other microservices that depends upon the discovery service)
- 2) Take a backup of the discovery service database...this is just a precaution
- 3) Purge off (delete) all data in these 3 tables: CONFIGURATION_VALUE, CONFIGURATION_ITEMS_LINKS AND CONFIGURATION_ITEM

Note: If you have multiple environments, purge off those data in the discovery service database that those environments use.



- 4) Restart the discovery service(s) and other microservices. Let the discovery service fully initialized and running.

Once the discovery service is fully initialized and running, if you issue a select statement on those tables, you should see new data/row re-created...

- 5) Next, drop out to command prompt as administrator and navigate to the config folder of the discovery service and run:

Java -jar discovery-registration.jar update

```

Administrator: Command Prompt
D:\SDL_Web\services\discovery\config>java -jar discovery-registration-jar update
2019-10-15 10:20:43,458 INFO Main - Registration tool is run with following parameters:
2019-10-15 10:20:43,465 INFO Main - Configuration file: cd_storage_conf.xml
2019-10-15 10:20:43,501 INFO Main - The Command is: update
2019-10-15 10:20:43,512 INFO RegistrationTool - Reading configuration from file: 'cd_storage_conf.xml'
2019-10-15 10:20:43,971 INFO ODataClientProvider - Creating OData client
2019-10-15 10:20:45,483 INFO ODataClientProvider - Successfully created OData client
2019-10-15 10:20:45,484 INFO ODataClientProvider - Creating token provider for OAuth enabled OData client
2019-10-15 10:20:45,485 INFO ODataClientProvider - Using TokenServiceUrl http://localhost:8082/token.svc from configuration file.
2019-10-15 10:20:46,273 INFO ODataClientProvider - Created token provider using TokenServiceUrl from configuration file.
2019-10-15 10:20:46,274 INFO ODataClientProvider - Successfully created token provider for OAuth enabled OData client
2019-10-15 10:20:46,275 INFO UpdateCommand - Updating Capabilities in the discovery-service...
2019-10-15 10:20:48,104 INFO UpdateCommand - Creating capability: DefaultTokenService
2019-10-15 10:20:49,545 INFO UpdateCommand - Creating capability: DefaultWeb
2019-10-15 10:20:49,638 INFO UpdateCommand - Creating capability: DefaultDeployer
2019-10-15 10:20:49,748 INFO UpdateCommand - Creating capability: DefaultPreviewWebService
2019-10-15 10:20:49,843 INFO UpdateCommand - Creating capability: DefaultContentService
2019-10-15 10:20:49,936 INFO Main - Result of tool execution is:
Created or Updated Capabilities:
{
  "id" : "DefaultTokenService",
  "lastUpdateTime" : 1571160049366,
  "uri" : "http://localhost:8082/token.svc"
}
{
  "id" : "DefaultWeb",
  "lastUpdateTime" : 1571160049600
}
{
  "id" : "DefaultDeployer",
  "lastUpdateTime" : 1571160049717,
  "strategy" : "DEFAULT",
  "uri" : "http://localhost:8084/httpupload",
  "extensionProperties" : [ "java.util.ArrayList", [ {
    "key" : "encoding",
    "value" : "UTF-8"
  } ],
  {
    "key" : "undo.enabled",
    "value" : "false"
  } ] ]
}
}

```

Ensure this step does not result in any error. Do the same steps on other environments

You should see now there are more data/rows appear in the discovery service databases.

w12r247 - w12r247 - Remote Desktop Connection

SQLQuery2.sql - W12R247.TCB_WEB85 (sa (60)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

TCB_WEB85 Execute Debug

Object Explorer

Connect

- dbo.ORG_ITEM_ASSOCIATIONS
- dbo.ORG_ITEM_ITEM_ASSOCIATIONS
- dbo.ORG_ITEM_PROCESS_ASSOCIATIONS
- dbo.ORG_ITEM_PUBLICATIONS
- dbo.ORGANIZATIONAL_ITEMS
- dbo.PAGE_CONDITIONS
- dbo.PAGE_CONTENT
- dbo.PATH_MAPPINGS
- dbo.PUB_TARGET_ASSOCIATIONS
- dbo.PUBLICATION_ITEM_ASSOCIATIONS
- dbo.PUBLICATION_PRIORITIES
- dbo.PUBLICATION_TARGETS
- dbo.PUBLICATIONS
- dbo.PUBLISH_STATES
- dbo.PUBLISH_TRANSACTIONS
- dbo.QUEUE_CONSUMERS
- dbo.QUEUE_FILTERS
- dbo.QUEUE_MESSAGES
- dbo.QUEUES
- dbo.TARGET_TYPE_PERMISSIONS
- dbo.TARGET_TYPES
- Columns
 - ID (PK, int, not null)
 - TITLE (nvarchar(255), null)
 - DESCRIPTION (nvarchar(255), not null)
 - PURPOSE (nvarchar(255), null)
 - BUSINESS_PROCESS_TYPE_ID (FK, int, null)
 - POSITION (int, null)
 - MIN_APPROVAL_STATUS (FK, int, not null)
 - PRIORITY (int, not null)
- Keys

SQLQuery4.sql - W1..._W12R247 (sa (65))*

SQLQuery3.sql - W1..._W12R247 (sa (61))*

SQLQuery2.sql - W1..._W12R247 (sa (60))*

SQLQuery1.sql - W1..._W12R247 (sa (60))*

```

select * from CONFIGURATION_ITEM
select * from CONFIGURATION_VALUE
select * from CONFIGURATION_ITEMS_LINKS
delete from CONFIGURATION_ITEMS_LINKS
delete from CONFIGURATION_VALUE
delete from CONFIGURATION_ITEM

```

Results

ID	NAME	AREA	TYPE
1	DefaultTokenService	ContentService	com.sdl.web.discovery.datalayer.model.ContentService
2	DefaultDeployer	Deployer	com.sdl.web.discovery.datalayer.model.DeployerCapability
3	DefaultEnvironment	Environment	com.sdl.web.discovery.datalayer.model.Environment
4	DefaultPreviewWebService	PreviewWebService	com.sdl.web.discovery.datalayer.model.PreviewWebService
5	DefaultTokenService	TokenService	com.sdl.web.discovery.datalayer.model.TokenService
6	DefaultWeb	Web	com.sdl.web.discovery.datalayer.model.WebCapability
7	DefaultWeb	Web	com.sdl.web.discovery.datalayer.model.WebCapability
8	DefaultDeployer	Deployer	com.sdl.web.discovery.datalayer.model.DeployerCapability

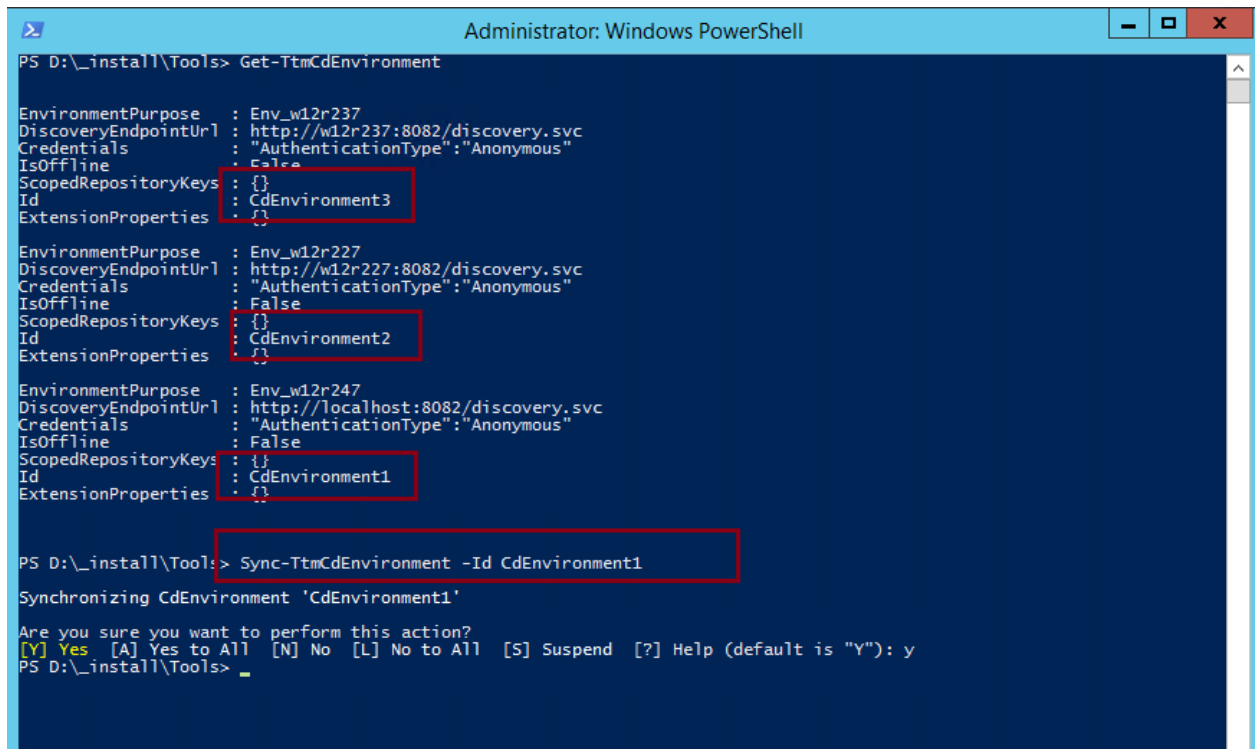
Messages

ID	NAME	TYPE	VALUE	ITEM_ID
166	id	java.lang.String	DefaultEnvironment	DefaultEnvironment
167	Name	java.lang.String	DefaultEnvironment	DefaultEnvironment
168	id	java.lang.String	DefaultTokenService	DefaultTokenService
169	LastUpdateTime	java.lang.Long	1571160049366	DefaultTokenService
170	URI	java.lang.String	http://localhost:8082/token.svc	DefaultTokenService
171	id	java.lang.String	DefaultWeb	DefaultWeb
172	LastUpdateTime	java.lang.Long	1571160049600	DefaultWeb
173	id	java.lang.String	DefaultDeployer	DefaultDeployer

ITEM_ID	LINKED_ITEM_ID
DefaultDeployer	DefaultDeployer
DefaultDeployer	DefaultDeployer

6) Next, on Content Manager, drop out to Powershell as administrator and run:

Sync-ttmcenvironment -Id <Id of environment(s)>



```
Administrator: Windows PowerShell
PS D:\_install\Tools> Get-TtmcEnvironment

EnvironmentPurpose : Env_w12r237
DiscoveryEndpointUrl : http://w12r237:8082/discovery.svc
Credentials : "AuthenticationType":"Anonymous"
IsOffline : False
ScopedRepositoryKeys : {}
Id : CdEnvironment3
ExtensionProperties : {}

EnvironmentPurpose : Env_w12r227
DiscoveryEndpointUrl : http://w12r227:8082/discovery.svc
Credentials : "AuthenticationType":"Anonymous"
IsOffline : False
ScopedRepositoryKeys : {}
Id : CdEnvironment2
ExtensionProperties : {}

EnvironmentPurpose : Env_w12r247
DiscoveryEndpointUrl : http://localhost:8082/discovery.svc
Credentials : "AuthenticationType":"Anonymous"
IsOffline : False
ScopedRepositoryKeys : {}
Id : CdEnvironment1
ExtensionProperties : {}

PS D:\_install\Tools> Sync-TtmcEnvironment -Id CdEnvironment1

Synchronizing CdEnvironment 'CdEnvironment1'

Are you sure you want to perform this action?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): y
PS D:\_install\Tools>
```

Repeat the sync-ttmcenvironment for the rest of the environment(s)

Ensure this step also does not result in any error. If error occurs, try to resolve it.

- 7) That's it. If all the steps above are done in the order listed and no error encountered, you have successfully refresh the discovery service databases.
- 8) Test publishing and GUI activities to confirm no error(s) related to discovery service. To have the Topology Manager refreshed, you could stop/start these services:

SDL Web Content Manager Service Host service

Application Pool for SDL Web and SDL Topology Manager website

Possible error(s) you might encounter...

**Transport service failed to transport. <Summary state="Failed" referenceId="tcm:0-1044-66560"><Error>Unable to read transport instructions.Deployer capability not specified in:
http://w12r237:8082/discovery.svc</Error><Processing><Context topic="Content Delivery"><IsRollbackOnFailure /></Context></Processing><Target /></Summary>**

Component: Tridion.ContentManager.Publishing

Errorcode: 854

User: NT AUTHORITY\SYSTEM

StackTrace Information Details:

```
at
Tridion.ContentManager.Publishing.Handling.DefaultPublishTransactionHandler.SendTransportPackage(TransportPackage
package)
at
Tridion.ContentManager.Publishing.Handling.DefaultPublishTransactionHandler.HandlePublishRequest(PublishTransaction
publishTransaction)
at
Tridion.ContentManager.Publishing.Handling.DefaultPublishTransactionHandler.ProcessPublishTransaction(PublishTransact
ion publishTransaction)
at Tridion.ContentManager.Publishing.Publisher.QueueMessageHandler.HandleMessage()
```

Resolution: You must have forgotten to run the `java -jar discovery-registration.jar update`. Re-run it and re-test publishing.