Sql Connector Install - ubuntu - docker

Friday, 4 February 2022   3:34 PM

Purpose
We often need this connector!.

Journal
Let's add the public nuget feed and specifiy we want this connector and go from there.

Poking around https://cluedin-io.github.io/Home/3.2.5/packages/ looks like we can just mainly use the package commands on the cluedin.ps1 script.

note: https://cluedin-io.github.io/Home/3.5.1/packages/ is the latest as of the time of writing

assume we created our environment with tags

```
example:
    ./cluedin.ps1 env 331 -tag 3.3.1
    ./cluedin.ps1 up 331
    ./cluedin.ps1 stop 331
    ./cluedin.ps1 start 331
    ./cluedin.ps1 status 331
    ./cluedin.ps1 createorg 331 -name cluedin -pass <redacted>
```

configure the feed and add the package

```
PS /home/ubuntu/Home-Dev/src> ./cluedin.ps1 packages -Env 330 -List
+----------------------------+
| CluedIn - Packages [docker] |
+----------------------------+
No packages specified

public feed uri is https://pkgs.dev.azure.com/CluedIn-io/Public/
_packaging/Public/nuget/v3/index.json

PS /home/ubuntu/Home-Dev/src> ./cluedin.ps1 packages -Env 330 -AddFeed cluedin-public -Uri
https://pkgs.dev.azure.com/CluedIn-io/Public/_packaging/Public/nuget/v3/index.json
error: Failed to read NuGet.Config due to unauthorized access. Path: '/packages/nuget.config'.
error:   Access to the path '/packages/nuget.config' is denied.
error:   Permission denied

using find
      /home/ubuntu/Home-Dev/src/env/330/packages/nuget.config

try PS /home/ubuntu/Home-Dev/src> chmod a+xrw ./env/330/packages/nuget.config

PS /home/ubuntu/Home-Dev/src> ./cluedin.ps1 packages -Env 330 -AddFeed cluedin-public -Uri
https://pkgs.dev.azure.com/CluedIn-io/Public/_packaging/Public/nuget/v3/index.json
+----------------------------+
| CluedIn - Packages [docker] |
+----------------------------+
Package source with Name: cluedin-public added successfully.

PS /home/ubuntu/Home-Dev/src> cat ./env/330/packages/nuget.config
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <packageSources>
    <add key="local" value="/packages/local" />
    <add key="cluedin-public" value="https://pkgs.dev.azure.com/CluedIn-io/Public/
_packaging/Public/nuget/v3/index.json" />
  </packageSources>
</configuration>
```
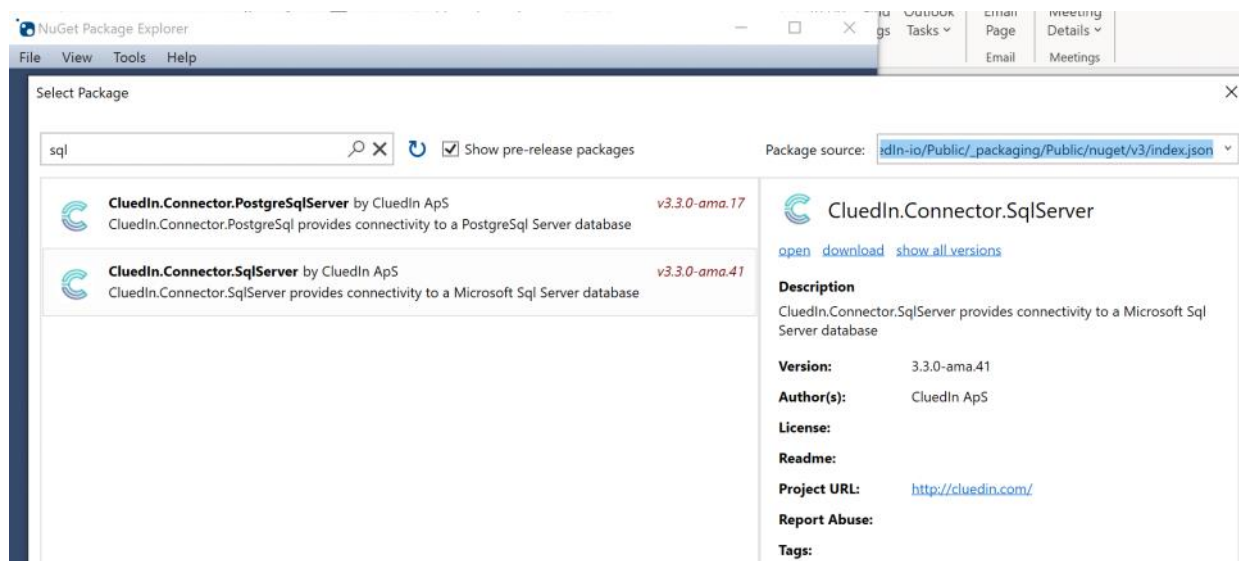


```
PS /home/ubuntu/Home-Dev/src> ./cluedin.ps1 packages -Env 330 -Add CluedIn.Connector.SqlServer
+----------------------------+
| CluedIn - Packages [docker] |
+----------------------------+
Added package CluedIn.Connector.SqlServer
```

```
PS /home/ubuntu/Home-Dev/src> cat ./env/330/packages/nuget.config
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <packageSources>
    <add key="local" value="/packages/local" />
    <add key="cluedin-public" value="https://pkgs.dev.azure.com/CluedIn-io/Public/
_packaging/Public/nuget/v3/index.json" />
  </packageSources>
</configuration>

PS /home/ubuntu/Home-Dev/src> cat ./env/330/packages/packages.txt
CluedIn.Connector.SqlServer
```

restore the packages

```
PS /home/ubuntu/Home-Dev/src> ./cluedin.ps1 packages -Env 330 -Restore
```

fail

```
….
ERROR: Could not build package collection.
Write-Error: /Install-Packages.ps1:132
Line |
 132 |        Write-Error "Could not compose CluedIn extensions."
     |        ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
     | Could not compose CluedIn extensions.
```

try

```
PS /home/ubuntu/Home-Dev/src> chmod -R a+xrw ./env/330/components/
PS /home/ubuntu/Home-Dev/src> chmod -R a+xrw ./env/330/packages/
```

retry

```
PS /home/ubuntu/Home-Dev/src> ./cluedin.ps1 packages -Env 330 -Restore
```

success

```
…
        Committing restore...
        Generating MSBuild file
/tmp/ServerComponent.Extensions/obj/ServerComponent.Extensions.csproj.nuget.g.props.
        Generating MSBuild file
/tmp/ServerComponent.Extensions/obj/ServerComponent.Extensions.csproj.nuget.g.targets.
        Writing assets file to disk. Path:
/tmp/ServerComponent.Extensions/obj/project.assets.json
        Restored /tmp/ServerComponent.Extensions/ServerComponent.Extensions.csproj (in
12.09 sec).

        NuGet Config files used:
            /tmp/ServerComponent.Extensions/nuget.config
            /nuget.config
            /tmp/dotnetcli/.nuget/NuGet/NuGet.Config

        Feeds used:
            /packages/local
            https://pkgs.dev.azure.com/CluedIn-io/Public/
_packaging/Public/nuget/v3/index.json
            https://api.nuget.org/v3/index.json

        Installed:
            242 package(s) to
/tmp/ServerComponent.Extensions/ServerComponent.Extensions.csproj
     1>Done Building Project
"/tmp/ServerComponent.Extensions/ServerComponent.Extensions.csproj" (Restore target(s)).

Build succeeded.
    0 Warning(s)
    0 Error(s)

Time Elapsed 00:00:12.96
  ServerComponent.Extensions ->
/tmp/ServerComponent.Extensions/ServerComponent.Extensions.dll
  [Package Trimming]: Removing 14 libraries from publish output that are available in the
runtime store
  - Removing [3.1.5] - Microsoft.Extensions.Caching.Abstractions
  - Removing [3.1.5] - Microsoft.Extensions.Caching.Memory
  - Removing [3.1.5] - Microsoft.Extensions.Configuration.Abstractions
  - Removing [3.1.5] - Microsoft.Extensions.Configuration.Binder
  - Removing [3.1.5] - Microsoft.Extensions.Configuration
  - Removing [3.1.5] - Microsoft.Extensions.Configuration.EnvironmentVariables
  - Removing [3.1.5] - Microsoft.Extensions.DependencyInjection.Abstractions
  - Removing [3.1.5] - Microsoft.Extensions.DependencyInjection
  - Removing [3.1.5] - Microsoft.Extensions.Logging.Abstractions
  - Removing [3.1.5] - Microsoft.Extensions.Logging
  - Removing [3.1.5] - Microsoft.Extensions.Options
  - Removing [3.1.5] - Microsoft.Extensions.Primitives
  - Removing [1.7.1] - System.Collections.Immutable
  - Removing [4.7.1] - System.Diagnostics.DiagnosticSource
  [Package Trimming]: Removing 9 asset(s) from publish output that are available in the
host
  - Removing [4.3.1] - Castle.Core
  - Removing [5.0.1] - Castle.Windsor
  - Removing [2.0.0] - ComponentHost
  - Removing [1.1.2] - Microsoft.DotNet.PlatformAbstractions
  - Removing [1.1.2] - Microsoft.Extensions.DependencyModel
  - Removing [12.0.2] - Newtonsoft.Json
  - Removing [2.6.0] - Serilog
  - Removing [4.7.0] - System.Configuration.ConfigurationManager
  - Removing [4.7.0] - System.Security.Cryptography.ProtectedData
  ServerComponent.Extensions -> /components/ServerComponent/
```

restart the cluster using the manage script

```
--- CluedIn Ghetto Management Script ---

s - status
r - restart all docker containers
x - stop - stop in current state
X - start - opposite of stop
u - up - start and ensuring changed containers are created
w - wipe i.e. tear DOWN cluster and bring it back UP
d - wipe/down i.e. tear DOWN cluster
q - to quit
> r
```

```
+---------------------------------------+
| CluedIn - Environment => stop [docker] |
+---------------------------------------+
Stopping cluedin_330_460fc9ca_gql_1          ... done
Stopping cluedin_330_460fc9ca_clean_1        ... done
Stopping cluedin_330_460fc9ca_submitter_1    ... done
Stopping cluedin_330_460fc9ca_annotation_1   ... done
Stopping cluedin_330_460fc9ca_ui_1           ... done
Stopping cluedin_330_460fc9ca_server_1       ... done
Stopping cluedin_330_460fc9ca_datasource_1   ... done
Stopping cluedin_330_460fc9ca_cadvisor_1     ... done
Stopping cluedin_330_460fc9ca_webapi_1       ... done
Stopping cluedin_330_460fc9ca_prometheus_1   ... done
Stopping cluedin_330_460fc9ca_sqlserver_1    ... done
Stopping cluedin_330_460fc9ca_grafana_1      ... done
Stopping cluedin_330_460fc9ca_elasticsearch_1 ... done
Stopping cluedin_330_460fc9ca_smtp4dev_1     ... done
Stopping cluedin_330_460fc9ca_rabbitmq_1     ... done
Stopping cluedin_330_460fc9ca_redis_1        ... done
Stopping cluedin_330_460fc9ca_neo4j_1        ... done
Stopping cluedin_330_460fc9ca_openrefine_1   ... done
Stopping cluedin_330_460fc9ca_seq_1          ... done
+---------------------------------------+
| CluedIn - Environment => up [docker] |
+---------------------------------------+
Pulling libpostal (cluedin/libpostal:release-3.3.0)...
release-3.3.0: Pulling from cluedin/libpostal
58690f9b18fc: Already exists
b51569e7c507: Already exists
da8ef40b9eca: Already exists
fb15d46c38dc: Already exists
35afea6de0f9: Pull complete
e147adf7c036: Pull complete
0ea2a8b18eaf: Pull complete
dab5ce78a412: Pull complete
23ae542c0828: Pull complete
1000de8059d2: Pull complete
Digest: sha256:947fe4fd9b538872ae211a822feb504d4a86121c2e7bd015ad1998eb469f0c89
Status: Downloaded newer image for cluedin/libpostal:release-3.3.0
Starting cluedin_330_460fc9ca_sqlserver_1    ... done
Starting cluedin_330_460fc9ca_rabbitmq_1     ... done
Starting cluedin_330_460fc9ca_openrefine_1   ... done
Starting cluedin_330_460fc9ca_smtp4dev_1     ... done
Starting cluedin_330_460fc9ca_neo4j_1        ... done
Starting cluedin_330_460fc9ca_seq_1          ... done
Starting cluedin_330_460fc9ca_grafana_1      ... done
Starting cluedin_330_460fc9ca_redis_1        ... done
Starting cluedin_330_460fc9ca_prometheus_1   ... done
Starting cluedin_330_460fc9ca_elasticsearch_1 ... done
Starting cluedin_330_460fc9ca_cadvisor_1     ... done
Starting cluedin_330_460fc9ca_webapi_1       ... done
Starting cluedin_330_460fc9ca_datasource_1   ... done
Starting cluedin_330_460fc9ca_server_1       ... done
Starting cluedin_330_460fc9ca_annotation_1   ... done
Starting cluedin_330_460fc9ca_ui_1           ... done
Starting cluedin_330_460fc9ca_clean_1        ... done
Starting cluedin_330_460fc9ca_submitter_1    ... done
Starting cluedin_330_460fc9ca_gql_1          ... done
```

check the logs

```
# get the container id for the server
ubuntu@ip-172-31-25-74:~$ sudo docker ps | grep server
a0e9037a1924   cluedin/cluedin-server:release-3.3.0              "sh ./boot.sh"        23
hours ago   Up 2 minutes
0.0.0.0:9000-9001->9000-9001/tcp, :::9000-9001->9000-9001/tcp,
0.0.0.0:9003->9003/tcp, :::9003->9003/tcp,
0.0.0.0:9006-9007->9006-9007/tcp, :::9006-9007->9006-9007/tcp,
0.0.0.0:9013->9013/tcp, :::9013->9013/tcp   cluedin_330_460fc9ca_server_1
59890c72c032   cluedin/sqlserver:release-3.3.0                  "sh -c /init/init.sh"  23
hours ago   Up 2 minutes            0.0.0.0:1433->1433/tcp, :::1433->1433/tcp
cluedin_330_460fc9ca_sqlserver_1

# check the server log for the word Sql in the last 10 minutes
ubuntu@ip-172-31-25-74:~$ sudo docker logs --since 10m a0e9037a1924 | grep Sql
'../components/ServerComponent/CluedIn.Connector.SqlServer.dll' ->
'./ServerComponent/CluedIn.Connector.SqlServer.dll'
[06:14:26 INF] SqlClient Registered
[06:14:27 INF] Provider: Sql Server Connector, ID: 838e4ea2-80e0-4b60-b1d1-f052bfcd0caf is
registered
```

check UI

winner winner 🐔 dinner!