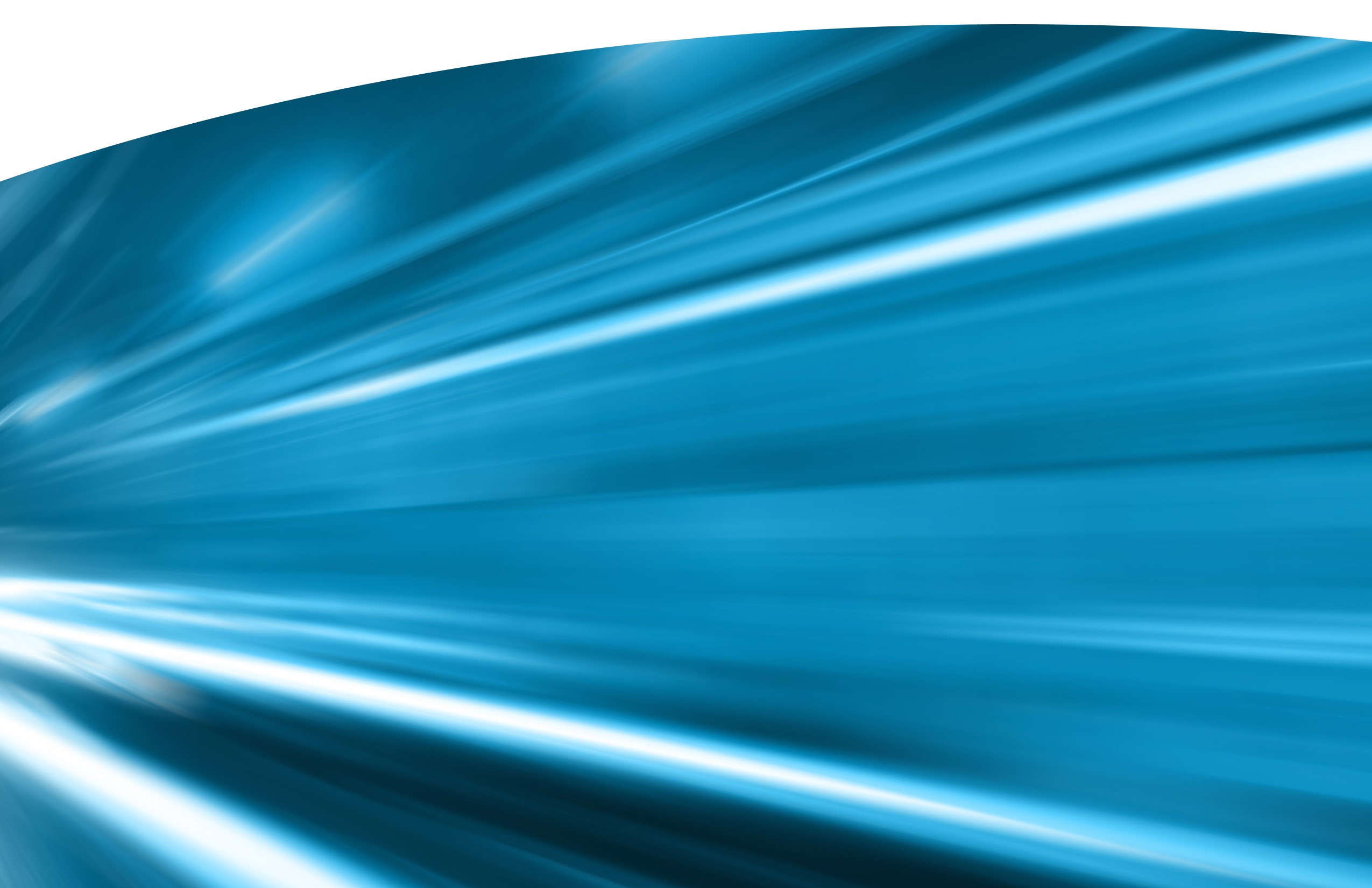
**CatMan Technical Architect Case Study**

**Author : Wil Gray**

**Reviewer:**

**Version : 1.0**

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# 

# Change History

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Version** | **Revision Date** | **Author** | **Revision Description** |
| 1.0 | 12/14/2020 | Wil Gray | Initial Version |
| 1.1 | 06/10/2021 | David Wilkinson | Updated following content review |
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# Overview

This document has been prepared as part of the Category Management (CatMan) Technical Architect Case Study Program. It contains case study scenarios to be used to educate and train CatMan technical resources on various aspects of CatMan technical work which a Technical Architect might be expected to perform on a project or, have the knowledge to support others doing that task.

The purpose of this case study is to cover all technical aspects for a retail customer, including:

* Software installation.
* Preparing Data Mapping Document for all inbound and outbound interfaces.
* Construct activity.
* Control-M batch job schedule and Batch Operations Guide preparation.
* System Integration Testing (SIT).

Please note that a typical BY SaaS installation will be performed by the DevOps team.

Participants are expected to perform the work required for all scenarios of the case study. A minimum of eight hours per week dedicated to doing so is expected.

# Definitions, Acronyms, and Abbreviations

**Agile:** A software development methodology centered around the idea of iterative development.

**API: Application program interface**

**AO:** Assortment Optimization

**AG**: Assortment Generator

**Builder**: CKB tool to create and upgrade CKB schemas

**CatMan:** Category Management

**CKB:** Category Knowledge Base

**Console**: CKB application used general configuration and admin

**Consul**: A key value repository used by BY applications to store configuration

**CMS:** Category Management Services

**DEP:** Data Execution Prevention

**SP (SPD):** Space Planning Desktop

**SPW**: Space Planning Web

**FP:** Floor Planning

**FG**: Floorplan Generator

**SA**: Strategic Assortment

**LCM:** Lifecycle Management

**LIAM: Luminate Identity Access Manager**

**OA:** Open Access

**PG:** Planogram Generator

**SA Pro:** Space Automation Professional

**SIT:** System Integration Testing

**UAT**: User Acceptance Testing

**SPP:** Standards, Patterns, and Practices

**SSMS:** SQL Server Management Studio

**TA:** Technical Architect

**Web Pub:** Web Publisher

# Media and Documentation

The following are on the Azure Dev Test Lab image in the locations indicated. The machines will be assigned by the Sky learning team.

* Installation media - **C:\Installation Media**
* Documents - **C:\Documents** and documents on CatMan installation media
* Sample (customer-specific) data – **C:\Data**
* SPP source code – **C:\SPP Code**

## The following sets of Scenarios describe how to Install various elements of the Category Management Suite.

## Scenario 1 – Install Windows Components and Configuration

* dotNet
  + net 3.5 – Required by AO 2020.1.1
  + net 4.8
* Windows Configuration – Enable features and components
* Set Workgroup
* Windows Batch User – Account used by Batch Processing and Open Access

## Scenario 2 – Install Third Party Software Installations

* Net 3.17 Hosting
* Chrome
* Adobe Reader
* Notepad++
* MS XML 4.0
* Postman – Useful for Webapi testing

## Scenario 3 – Install SQL Server Components

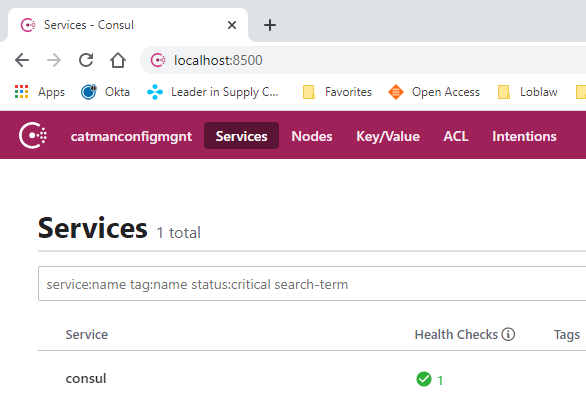
* SQL Server Database 2019 – Select the following features
  + Database Engine Services
  + Analysis Services
  + Client Tools SDK
  + SQL Client Connectivity SDK
* SQL Server CLR & Client Libraries
  + CLR Types - SQLSysClrTypes.msi
  + Analysis Server Feature Pack - X64\_15.0.2000.235\_SQL\_AS\_AMO.msi
* SQL Server Management Studio
* SQL Server Database & User for Cognos
* Microsoft JDBC Driver for SQL Server

## Scenario 4 – Install Category Management Services

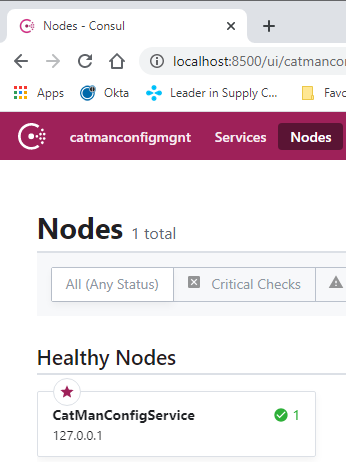
* Install & Configure Consul
  + Check Consul’s port usage. See [Appendix A – How to Check Consul Port Usage](#_Appendix_A_–_1).
* Install CMS 2020.1.1
* CMS Configuration

Test installation by opening Chrome and entering the Consul server URL: <http://localhost:8500>

You should see a green checkmark under Health Checks.



Select Nodes. There should be a green checkmark under Healthy Nodes.



## Scenario 5 – Install BY Reporting (Cognos)

* Cognos
* Cognos Custom Install
* SQL Server Deployment
* Deployment Confirmation
* Launch IBM Cognos Configuration – Check for anonymous access
* Cognos Test

BY Reporting is required as a foundation before Open Access reporting can be installed later on.

## Scenario 6 – Install Category Management Suite Part 1

* Base Installation
* Space Planning
* Floor Planning
* Assortment Optimization
* Sample Data
* JDA PDF Writer
* DEP
* Activation
  + Space Planning
  + Floor Planning
  + Assortment Optimization
  + Web Publisher & CKS
* Create and Populate CKB

**Note:** You will be prompted to activate CKB components when you launch Builder.

* Loading Sample Data – Planograms
  + Categorize Products
  + Categorize Planograms
* Create users in Console
* Stores and Floorplans
  + Insert demo stores into ix\_str\_store
  + Create a floorplan for each store and create hierarchy
  + Planogram to Floorplan Demo Assignment
  + Create AOUser
* Data Manager

**Note:** Run Data Manager as administrator the first time to allow the components to self register in the Windows Registry

## Scenario 7 – Install Category Management Suite Part 2

* Batch Processing Services and Image Server
  + Install both Image Server and Batch Processing Server
* Configure Image Server
  + IntactixImageServer.config settings should match Space Planning product image settings.
  + Set ImagePaths *path* to the location of Sample Files Product Images.
  + Set the location of IntactixImageServer.log in LogFilePath.
* Configure Web Publishing
* Open Access Install
* Open Access Configuration
* Install BY Reporting for Open Access
  + Reporting Configuration Editor
    - Reporting Server Login
  + Cognos Log Files
  + Open Access Configuration Editor
* BY Reporting Tests
  + Open Access – Report Menu
  + Linked Reports
* External Access to Open Access
* CatMan APIs
* Visual Studio & Space Automation
  + Install Visual Studio
  + Install Space Automation Pro
  + Activate
  + Simple Project
* Final Checks

Compare the list of software installed on your image with [Appendix B – Installed Components](#_Appendix_A_–).

## Scenario 8 – Install SPP

To complete this scenario, you will need the CatMan SPP Quick Start Guide 1.1 docx.

* Create the folders as shown in [Appendix C - SPP Folder Structure](#_Appendix_B_-).
* Move SPP files to target folders as shown in [Appendix D - SPP File Locations](#_Appendix_C_-).

**Note** Any discussion of “SPP” should be limited to BY members and certified partners. SPP should never be discussed by name among customers or identified by name in any design or implementation document.

SPP scripts expect the CKB database name to be “CKB”. The CKB database you created when you worked through CCM 2020.1.1 CatMan Installs 210112.docx is named “CKB202011”. You have a choice of either modifying SPP scripts to use “CKB202011” or creating another CKB database named “CKB”. If you create a new database, make the following selections in Builder.

* **Create encrypted procedures:**  No
* **Support for unicode characters in text fields:** Yes
* **Enable accounts:**  No
* **Primary key for products:** UPC

### Execute SQL Scripts

Using SSMS, execute SQL scripts listed in [Appendix E – SQL Scripts](#_Appendix_D_–). Several scripts require modifications. Before you begin, review these in the next section.

### SPP Script Modifications

On a lab image, database accounts used to run various processes are local database accounts, rather than network domain accounts. You will need to edit the following SPP scripts to allow for this.

#### 03\_jdapb\_security.sql

##### Change:

USE [master]

GO

CREATE LOGIN [<DOMAIN>\JDABP] FROM WINDOWS WITH DEFAULT\_DATABASE=[master], DEFAULT\_LANGUAGE=[us\_english]

GO

USE [CKB]

GO

CREATE USER "<DOMAIN>\JDABP" FOR LOGIN "<DOMAIN>\JDABP" WITH DEFAULT\_SCHEMA = "dbo";

ALTER ROLE ix\_csg\_jdacustom\_user ADD MEMBER [<DOMAIN>\JDABP]

ALTER ROLE ix\_grp\_admin ADD MEMBER [<DOMAIN>\JDABP]

GO

##### To:

USE [master]

GO

CREATE LOGIN [JDABP] WITH PASSWORD = 'CategoryCloud1$', DEFAULT\_DATABASE=[master], DEFAULT\_LANGUAGE=[us\_english], CHECK\_EXPIRATION=OFF, CHECK\_POLICY=OFF;

GO

USE [CKB]

GO

CREATE USER "JDABP" FOR LOGIN "JDABP" WITH DEFAULT\_SCHEMA = "dbo";

ALTER ROLE ix\_csg\_jdacustom\_user ADD MEMBER [JDABP]

ALTER ROLE ix\_grp\_admin ADD MEMBER [JDABP]

GO

#### 04\_jdaweb\_security.sql

##### Change:

USE [master]

GO

CREATE LOGIN [<DOMAIN>\JDAWEB] FROM WINDOWS WITH DEFAULT\_DATABASE=[master], DEFAULT\_LANGUAGE=[us\_english]

GO

USE [CKB]

GO

CREATE USER "<DOMAIN>\JDAWEB" FOR LOGIN "<DOMAIN>\JDAWEB" WITH DEFAULT\_SCHEMA = "dbo";

ALTER ROLE ix\_grp\_admin ADD MEMBER [<DOMAIN>\JDAWEB]

GO

##### To:

USE [master]

GO

CREATE LOGIN [JDAWEB] WITH PASSWORD = 'CategoryCloud1$', DEFAULT\_DATABASE=[master], DEFAULT\_LANGUAGE=[us\_english], CHECK\_EXPIRATION=OFF, CHECK\_POLICY=OFF;

GO

USE [CKB]

GO

CREATE USER "JDAWEB" FOR LOGIN "JDAWEB" WITH DEFAULT\_SCHEMA = "dbo";

ALTER ROLE ix\_grp\_admin ADD MEMBER [JDAWEB]

GO

## The following scenarios describe various data mapping activities.

## Scenario 9 – Object Mapping

A mapping document is provided in the Documents folder on the lab image. Complete appropriate tabs of a data mapping document for the following interfaces. Assume data from external systems is received in flat files.

The process described below follows the SPP framework.

Product, store/floorplan, and performance field mappings are based on sample data files. Its possible that the Data file provided by the customer may not have the same field name as the CKB table for a given field. For example, Article, SKU and Product are all different names for ID.

### Product Field Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **Data File** | | **CSG\_STG\_PRODUCT** | **IX\_SPC\_PRODUCT** |
| **Ordinal Position** | **Field Name** | **Column Name** | **Column Name** |
| 1 | UPC | UPC | UPC |
| 2 | ID | ID | ID |
| 3 | Name | Name | Name |
| 4 | Brand | Brand | Brand |
| 5 | Category | Category | Category |
| 6 | Subcategory | Subcategory | Subcategory |
| 7 | Height | Height | Height |
| 8 | Width | Width | Width |
| 9 | Depth | Depth | Depth |
| 10 | Price | Price | Price |
| 11 | CaseCost | CaseCost | CaseCost |
| 12 | UnitCost | UnitCost | UnitCost |
| 13 | DBStatus | DBStatus | DBStatus |

### Store Field Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **Data File** | | **CSG\_STG\_STORE** | **IX\_STR\_STORE** |
| **Ordinal Position** | **Field Name** | **Column Name** | **Column Name** |
| 1 | StoreNbr | StoreNumber | StoreNumber |
| 2 | Name | Name | Name |
| 3 | Address | Address1 | Address1 |
| 4 | City | AddressCity | AddressCity |
| 5 | ST | AddressState | AddressState |
| 6 | Zip | AddressPostalCode | AddressPostalCode |
| 7 | DBStatus | DBStatus | DBStatus |

### Floorplan Field Mappings

|  |  |  |  |
| --- | --- | --- | --- |
| **Data File** | | **CSG\_STG\_STORE** | **IX\_FLR\_FLOORPLAN** |
| **Ordinal Position** | **Field Name** | **Column Name** | **Column Name** |
| 1 | StoreNbr | StoreNumber | Value1 |
| 2 | Name | Name | Desc1 |
| 3 | Address | Address1 | Desc2 |
| 4 | City | AddressCity | Desc3 |
| 5 | ST | AddressState | Desc4 |
| 6 | Zip | AddressPostalCode | Desc5 |
| 7 | DBStatus | DBStatus | DBStatus |

### Performance Data Field Mappings

The SPP csg\_pkg\_performance.sql code posts data to CKB’s ix\_spc\_performance and ix\_spc\_product tables. Post the mappings to your mapping document.

## Scenario 10 – Product Data Integration

In this scenario you will make modifications to standard SPP modules to accommodate customer-specific product data. To complete this scenario, you will need:

* The mapping document you began in the Object Mapping Scenario.
* The product data file from the C:\Data folder, staging table DDL, and format file.

### Product Hierarchy

The product hierarchy will consist of the following.

|  |  |
| --- | --- |
| **Key Level** | **Field or Value** |
| 1 | “ALL” |
| 2 | Category |
| 3 | Subcategory |
| 4 | Brand |

### Mapping Document

Make necessary changes to the product and product hierarchy portions of the mapping document.

### Schema Modifications

A comparison of the sample product data file, tap\_products.txt, with the product staging table, jdacustom.csg\_stg\_product, reveals they do not match. To successfully import the data file into the staging table, you will need to modify:

* The staging table.
* The control file.
* The product interface procedure

In project scenarios, the functional specification will be required to be updated and agreed with the customer before code changes are made. Once code changes are made in the DEV environment, the updated code needs to committed to GitHub.

## Scenario 11 – Store and Floorplan Data Integration

As you did in the Product Data Integration scenario, in this scenario you will make modifications to standard SPP modules to accommodate customer-specific store / floorplan data in the sample store data file.

### Store and Floorplan Hierarchies

The store and floorplan hierarchies will consist of the following.

|  |  |
| --- | --- |
| **Key Level** | **Field or Value** |
| 1 | “ALL” |
| 2 | State |
| 3 | City |

### Mapping Document

Make necessary changes to the store, store hierarchy, floorplan, and floorplan hierarchy portions of the mapping document.

In the store table, ix\_str\_store, State and City can be mapped to AddressState and AddressCity. The floorplan table, ix\_flr\_floorplan, however, does not have these predefined fields. You will need to map them to Desc fields.

### Schema Modifications

Make necessary modifications to the following to enable importing the data file into the staging table:

* The staging table.
* The control file.
* The store interface procedure

## Scenario 12 – Sales Data Integration

### Mapping Document

Make necessary changes to affected portions of the mapping document.

### Schema Modifications

Make necessary modifications to the following to enable importing the data file into the staging table:

* The staging table.
* The control file.
* The performance interface procedure

## Scenario 13 – Fieldname Overrides and UserDisplayName

Click the macro button on the Revision tab of your mapping document to generate the CKB fieldname overrides script, ProSpace.PMD, and ProFloor.PMD.

* Use SSMS to execute the .sql script. Validate settings with this query.
  + select \* from ix\_sys\_datadict\_field where UserDisplayName is not null;
* Copy ProSpace.PMD to the Space Planning resident folder. Validate settings in Space Planning by selecting File, Settings, then click the Fields button on the General tab of the Settings dialog and check Override Names.
* Copy ProFloor.PMD to the Floor Planning resident folder and check Override Names the same way you did in Space Planning.

On a BY Azure SaaS installation, the .PMD and other configuration files will need to placed into the ‘Profiles’ folder and pushed to individual users.

## Scenario 14 – Object Hierarchies

Object hierarchies will not build automatically using the object attributes defined in the Product Data Integration and Store and Floorplan Data Integration scenarios. Modifications will be required to the SPP script that makes the settings that identify object attributes used to build object hierarchies. Before moving to that script, however, the planogram hierarchy must be defined.

### Planogram Hierarchy

The planogram hierarchy will consist of the following.

|  |  |
| --- | --- |
| **Key Level** | **Field or Value** |
| 1 | “ALL” |
| 2 | Department |
| 3 | Category |

### Mapping Document

Make necessary changes to the planogram and planogram hierarchy portions of the mapping document.

### Script Modifications

The script that makes the settings that identify object attributes used to build object hierarchies is

02\_csg\_object\_hierarchy\_settings.sql, located in the C:\SPP Code\Deploy\SQL Server\07 Object Hierarchy\01 Control Scripts folder. Modify the script to make the correct settings, and run the script.

## Scenario 15 – Configure Lifecycle Management

To complete this scenario, you will need to create custom procedures to manage customer-specific validations and/or processing. Coding standards for custom LCM procedures are in the CKB 2020.1.1.0 Administrator Guide, beginning on page 32.

It may be helpful to review out-of-the-box LCM procedures to see how they are coded.

LCM procedures for planograms are:

* ix\_spc\_plan\_valid\_to\_pend
* ix\_spc\_plan\_valid\_to\_live
* ix\_spc\_plan\_valid\_to\_hist
* ix\_spc\_plan\_process\_to\_pend
* ix\_spc\_plan\_process\_to\_hist.

LCM procedures for floorplans are:

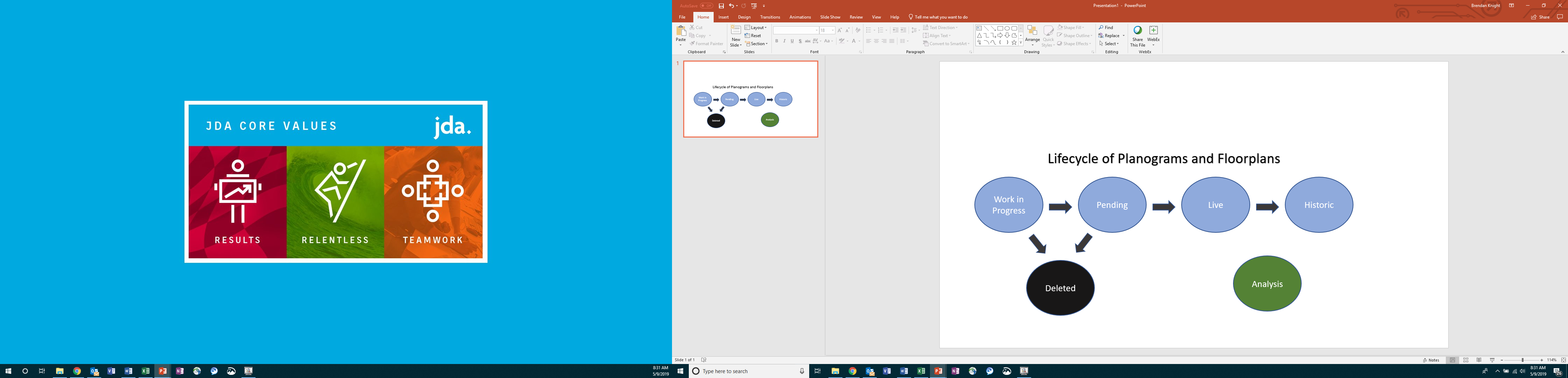
* ix\_flr\_floor\_valid\_to\_pend
* ix\_flr\_floor\_valid\_to\_live
* ix\_flr\_floor\_process\_to\_pend
* ix\_flr\_floor\_process\_to\_hist.

Configure LCM as follows:

* Objects in Lifecycle will be locked by user: CKBSystem
* Statuses:

|  |  |  |
| --- | --- | --- |
| **IX\_SYS\_STATUS** | | |
| **DBKey** | **Description** | **SortOrder** |
| 1 | Live | 1 |
| 2 | Pending | 2 |
| 3 | Work in progress | 3 |
| 4 | Historic | 4 |
| 200 | Analysis | 5 |
| 6 | Deleted | 6 |

* Objects to be LCM managed:
  + Floorplans
  + Planograms



### Planograms

* Planogram LCM statuses are WIP > Pending > Live > Historic. Analysis and Deleted statuses are not LCM managed.
* Manual and automatic moves can take place from WIP to Pending. If a planogram requires changes after WIP, users can demote back to WIP status from Pending, but not from Live or Historic.
* Pending, Live, and Historic planograms will be locked.

#### Validations

Failure of any validation results in an error and promotion fails.

##### WIP to Pending

* Must have Pending and live date.
* Pending date is in the future and is equal to or earlier than live date.
* Live date is in the future and is equal to or later than pending date.
* Must contain only live products.
* The following fields must have a value.
  + Category
  + Subcategory
  + Department

##### Live to Historic

* Manual move for Live to Historic for planograms that do not have a child version and end their cycle.
* If the planogram is assigned to any live, pending, or WIP floorplans, do not allow the move.

##### Demotions

Demotion can take place on Pending back to WIP. Unlock the planogram to allow modifications.

### Floorplans

* Floorplan LCM statuses are WIP > Pending > Live > Historic. Analysis and Deleted statuses are not LCM managed.
* Manual and automatic moves can take place from WIP to Pending. If a floorplan requires changes after WIP, users can demote back to WIP status from Pending, but not from Live or Historic.
* Pending, Live, and Historic floorplans will be locked.

#### Validations

Failure of any validation results in an error and promotion fails.

##### WIP to Pending

* Must have Pending and live date.
* Pending date is in the future and is equal to or earlier than live date.
* Live date is in the future and is equal to or later than pending date.
* Live date of assigned planograms is equal to or earlier than floorplan live date. (All planograms must be live by the floorplan live date.)
* The following fields must have a value.
  + State
  + City

##### Live to Historic

Automated move based on end date or when replaced by a child floorplan.

##### Demotions

Demotion can take place on Pending back to WIP. Unlock the floorplan to allow modifications.

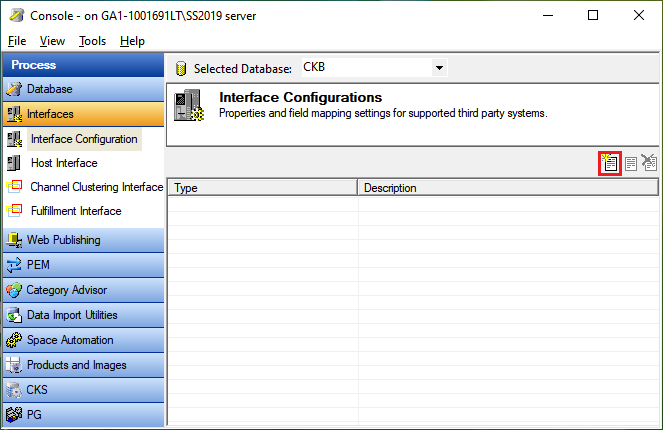
## Scenario 16 – Validate your changes

After completing all the changes described in data Scenarios 9 – 15, go back and validate in the database that the changes have been applied successfully.

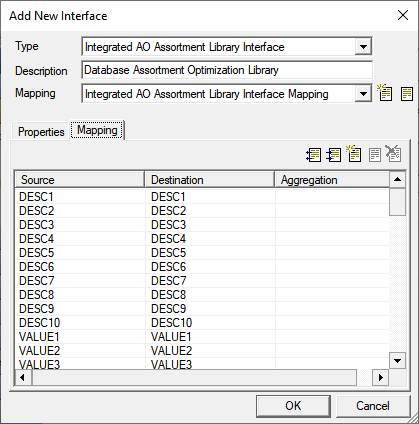
Validating your data as you go along is key to ensuring data mistakes don’t compromise the data integrity and invalidate future data updates.

## Scenario 17 – Configure Database Assortment Optimization Library

In Console, on the Interfaces page, click the Add button.



On the Add New Interface dialog, make the selections/entries shown and click OK.



##### Expected Result

Space Planning’s Database Assortment Optimization Library should now be configured for use.

## Scenario 18 – Control-M Batch Job Sequence

Page 70 of the CKB 2020.1.1.0 Administrator Guide lists a suggested sequence for batch processes. Validate the job sequence in the sample Control-M document, and consider what changes are necessary to ensure data is updated in the order to match the previous scenarios.

The Control-M document details all the batch jobs, the sequence the run in, any predecessors and dependacies. Control-M can alert on failure and determine of the job schedule should continue or stop.

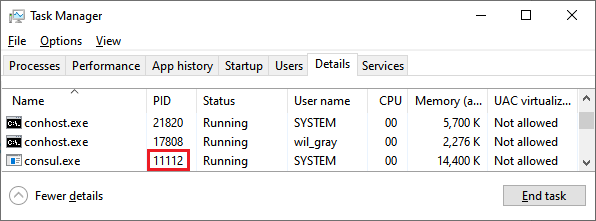
## Scenario 19 – Batch Operations Guide

Using the sample Control-M document in the Documents folder on the lab image, complete the sample Batch Operations Guide.

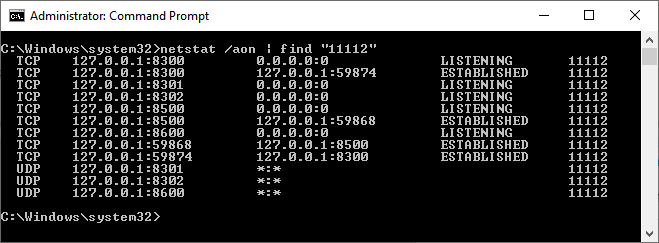
# Appendix A – How to Check Consul Port Usage

With Consul running:

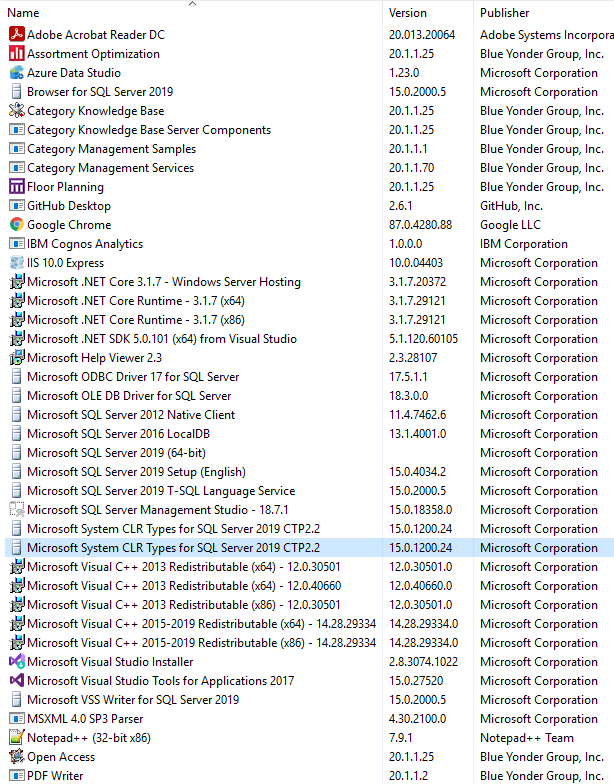
* Open Task Manager, on the Details tab.
* Get the PID for consul.exe.

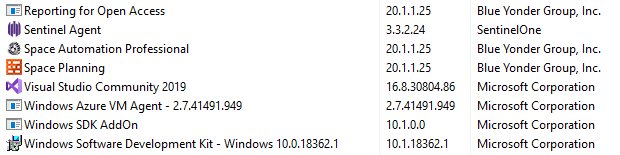


* Open a command prompt “As Administrator”.
* Enter netstat /aon | find “<PID>”



# Appendix B – Installed Components





# Appendix C - SPP Folder Structure

|  |  |
| --- | --- |
| **SPP Folders** | |
| C:\batch | \bin |
|  | \ctl |
|  | \log |
|  | \sql |
| C:\sftp | \inbox |
|  | \outbox |
|  | \archive |

**Please note that on the BY SaaS Azure installation, SPP folders will not be on the C: drive.**

# Appendix D - SPP File Locations

|  |  |  |
| --- | --- | --- |
| **Folder** | | **File** |
| C:\batch | \bin | csg\_archive\_retention.ps1 |
|  |  | csg\_call\_sql.ps1 |
|  |  | csg\_create\_win\_event\_source.ps1 |
|  |  | csg\_flr\_hierarchy.ps1 |
|  |  | csg\_ikbdbsupport.ps1 |
|  |  | csg\_lcm\_process.ps1 |
|  |  | csg\_load\_data.ps1 |
|  |  | csg\_load\_data\_ex.ps1 |
|  |  | csg\_log\_retention.ps1 |
|  |  | csg\_perf\_interface.ps1 |
|  |  | csg\_pog\_hierarchy.ps1 |
|  |  | csg\_prd\_hierarchy.ps1 |
|  |  | csg\_prd\_interface.ps1 |
|  |  | csg\_purge\_all.ps1 |
|  |  | csg\_str\_hierarchy.ps1 |
|  |  | csg\_str\_interface.ps1 |
|  |  | csg\_web\_pub.ps1 |
|  |  | csg\_win\_utilities.psm1 |
|  |  | JDA.Intacix.Common.dll |
|  |  | JDA.Intactix.DataAccess.dll |
|  |  | JDA.Intactix.IKB.DataAccess.dll |
|  |  | set\_db.ps1 |
|  |  | set\_env.ps1 |
|  | \ctl | csg\_perf.xml |
|  |  | csg\_product.xml |
|  |  | csg\_store.xml |
|  | \sql | csg\_flr\_hierarchy.sql |
|  |  | csg\_lcm\_process.sql |
|  |  | csg\_perf\_load.sql |
|  |  | csg\_perf\_process.sql |
|  |  | csg\_pog\_hierarchy.sql |
|  |  | csg\_prd\_hierarchy.sql |
|  |  | csg\_prd\_load.sql |
|  |  | csg\_purge\_all.sql |
|  |  | csg\_str\_hierarchy.sql |
|  |  | csg\_str\_load.sql |
|  |  | csg\_web\_pub.sql |
|  |  | csg\_web\_pub\_status.sql |

**Please note that on the BY SaaS Azure installation, SPP folders will not be on the C: drive.**

# Appendix E – SQL Scripts

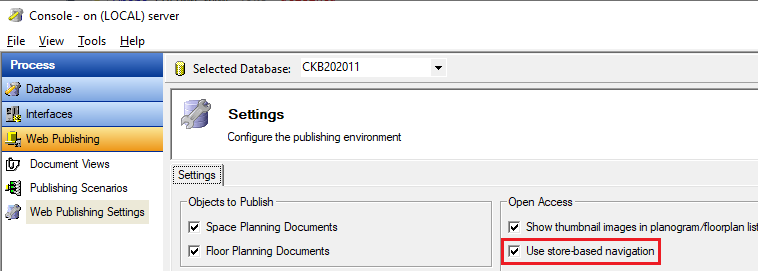
**Main folder:** C:\SPP Code\Deploy\SQL Server

|  |  |  |
| --- | --- | --- |
| **Folder** | | **File** |
| \01 Security |  | 01\_jdacustom\_schema.sql |
|  |  | 02\_jdacustom\_security.sql |
|  |  | 03\_jdabp\_security.sql |
|  |  | 04\_jdaweb\_security.sql |
| \02 Diagnostics | \Programmability | 01\_csg\_pkg\_diagnostics.sql |
| \03 Common | \01 Control Scripts | 01\_csg\_standard\_settings.sql |
|  | \02 Programmability | 01\_csg\_pkg\_common.sql |
| \04 Product Data Interface | \01 Control Scripts | 01\_csg\_product\_interface\_event\_codes.sql |
|  | \02 Tables | 01\_csg\_stg\_product.sql |
|  | \03 Programmability | 01\_csg\_pkg\_product\_interface.sql |
|  | ~~\04 Scripts~~ | **1**~~csg\_prd\_load.sql~~ |
|  | ~~\05 CTL~~ | **2**~~csg\_product.xml~~ |
| \05 Store Data Interface | \01 Control Scripts | 01\_csg\_store\_interface\_event\_codes.sql |
|  | \02 Tables | 01\_csg\_stg\_store.sql |
|  | \03 Programmability | 01\_csg\_pkg\_store\_interface.sql |
|  | ~~\04 Scripts~~ | **1**~~csg\_str\_load.sql~~ |
|  | ~~\05 CTL~~ | **2**~~csg\_store.xml~~ |
| \06 Performance Data Interface | \01 Control Scripts | 01\_csg\_perf\_interface\_event\_codes.sql |
|  |  | 02\_csg\_perf\_interface\_settings.sql |
|  | \02 Tables | 01\_csg\_stg\_performance.sql |
|  |  | 02\_csg\_perf\_performance.sql |
|  |  | 03\_csg\_perf\_storeskumetrics.sql |
|  |  | 04\_csg\_perf\_pog.sql |
|  |  | 05\_csg\_perf\_prd.sql |
|  | \03 Programmability | 01\_csg\_pkg\_performance.sql |
|  | ~~\04 Scripts~~ | **1**~~csg\_perf\_load.sql~~ |
|  |  | **1**~~csg\_perf\_process.sql~~ |
|  | ~~\05 CTL~~ | ~~csg\_perf.xml~~ |
| \07 Object Hierarchy | \01 Control Scripts | 01\_csg\_object\_hierarchy\_event\_codes.sql |
|  |  | 02\_csg\_object\_hierarchy\_settings.sql |
|  | \02 Programmability | 01\_csg\_pkg\_object\_hierarchy.sql |
|  | ~~\03 Scripts~~ | **1**~~csg\_flr\_hierarchy.sql~~ |
|  |  | **1**~~csg\_pog\_hierarchy.sql~~ |
|  |  | **1**~~csg\_prd.hierarchy.sql~~ |
|  |  | **1**~~csg\_str\_hierarchy.sql~~ |
| \08 Data Purging | \01 Control Scripts | 01\_csg\_purge\_event\_codes.sql |
|  |  | 02\_csg\_purge\_settings.sql |
|  | \02 Programmability | 01\_csg\_pkg\_purge.sql |
|  | ~~\03 Scripts~~ | **1**~~csg\_purge\_all.sql~~ |
| \09 Lifecycle Management | ~~01 Scripts~~ | **1**~~csg\_lcm\_process.sql~~ |
| \10 Planogram Generator | ~~\01 Scripts~~ | **1**~~csg\_pog\_gen.sql~~ |
|  |  | **1**~~csg\_pog\_gen\_status.sql~~ |
| \11 Web Publisher | ~~\01 Scripts~~ | **1**~~csg\_web\_pug.sql~~ |
|  |  | **1**~~csg\_web\_pub\_status.sql~~ |
|  |  |  |
| **1**Copy to C:\batch\sql folder |  |  |
| **2**Copy to C:\batch\ctl folder |  |  |

# Appendix F – Implemented and Status

This appendix shows how to use the popular Implemented flag and Status Update in Web Publishing.

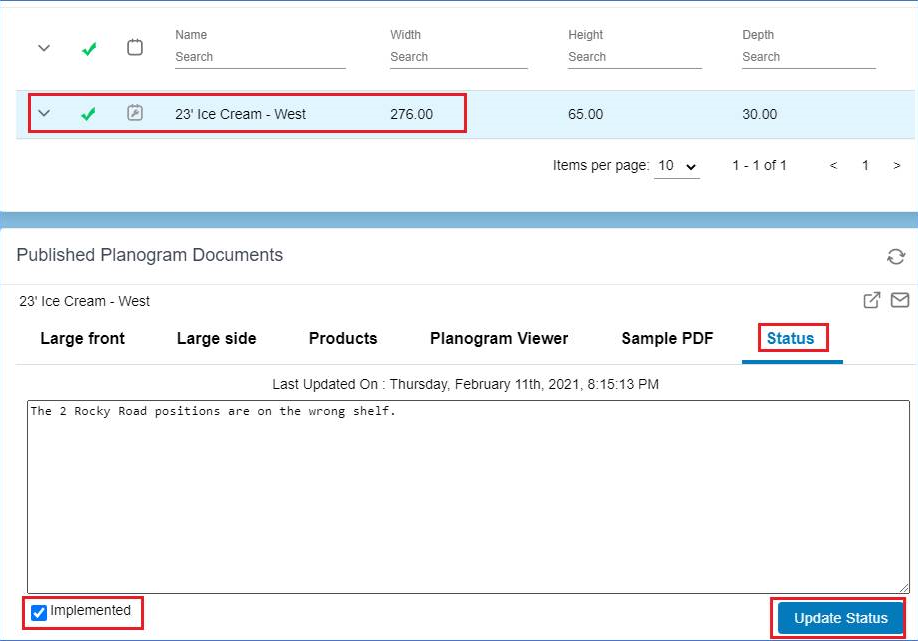
* Store-based navigation must be turned on.



* In Open Access, select Web Publisher, Planograms, and pick a store.

**Note** If a user is limited to one store, it will be automatically selected.

* Select a planogram; click Status; type a message; click Update Status.
* To mark the planogram as implemented, check the checkbox.

****

## Reporting

Implemented and status information can be queried from two tables.

* IX\_NET\_STR\_PLN\_IMP
* IX\_NET\_STR\_FPLN\_IMP

This data was fetched from IX\_NET\_STR\_PLN\_IMP.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DBTime** | **DB Key** | **DBParent StoreKey** | **DBParent PlanogramKey** | **DBParent UserKey** | **Imple- mented** | **Status Log** | **DBParent WebUserKey** |
| 2021-02-11 20:34:35.020 | 1 | 1 | 18 | NULL | 1 | The 2 Rocky Road positions are on the wrong shelf. | 1 |