

Broadcom CA Test Data Manager

Classic Test Match Demo Setup

Continuous Testing Solution Engineering Team

DRAFT version 1.0

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DRAFT

Introduction

The purpose of this document is to provide an example of setting up the “Classic” Test Match function in Broadcom CA Test Data Manager. This uses the sample “CreditCard” database.

Note:

- The Classic Test Match has been primarily superceded by the Dynamic Find & Reserve capability provided in the TDM Portal. Please review that to see if it will work for you.

DRAFT

Example Setup

Pre-requisites: Creditcard sample db loaded into SQL Server.

Connection Profile created to Creditcard sample db

New Project created

Data Model scanned for Creditcard sample db and Tables are Registered.

Creditcard sample db specified as Source Database

Open Datamaker and set Project to the one created in the Pre-requisites

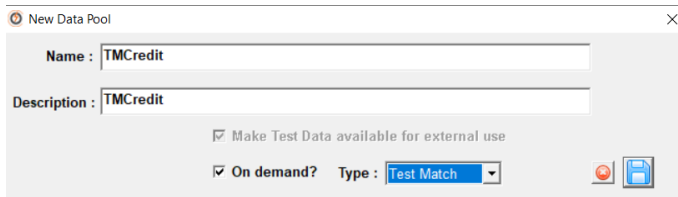
Open a Source SQL window and create the TestMartSQL table (sample sql below)

```
CREATE TABLE TESTMARTSQL (
    ADD_REGION          varchar (100) ,
    AC_TYPE             varchar (10)  ,
    BA_CYCLE            int           ,
    CARD_NAME           varchar (30)  ,
    ICH_FULL_NAME       varchar (240) ,
    TEST_NAME           varchar (250) ,
    TEST_USER           varchar (250) ,
    TEST_LOCK           varchar (2)   ,
    JOB_ID              int           )
```

Populate the TESTMARTSQL database with the summary data:

```
INSERT INTO testmartsql (ADD_REGION, AC_TYPE, BA_CYCLE, CARD_NAME, ICH_FULL_NAME)
SELECT A.ADD_REGION, B.AC_TYPE, B.BA_CYCLE, C.CARD_NAME, D.ICH_FULL_NAME
FROM ADDRESS A
INNER JOIN BILLING_ACCOUNT B ON A.ADD_ID = B.BA_ADD_ID
INNER JOIN CARD_ACCOUNT C ON C.CARD_BA_ID = B.BA_ID
INNER JOIN INDIVIDUAL_CARDHOLDER D ON A.ADD_ID = D.ICH_ADD_ID
```

In Datamaker, in the DataGen dataset, create a new datapool of type TestMatch, select On Demand box.



New Data Pool

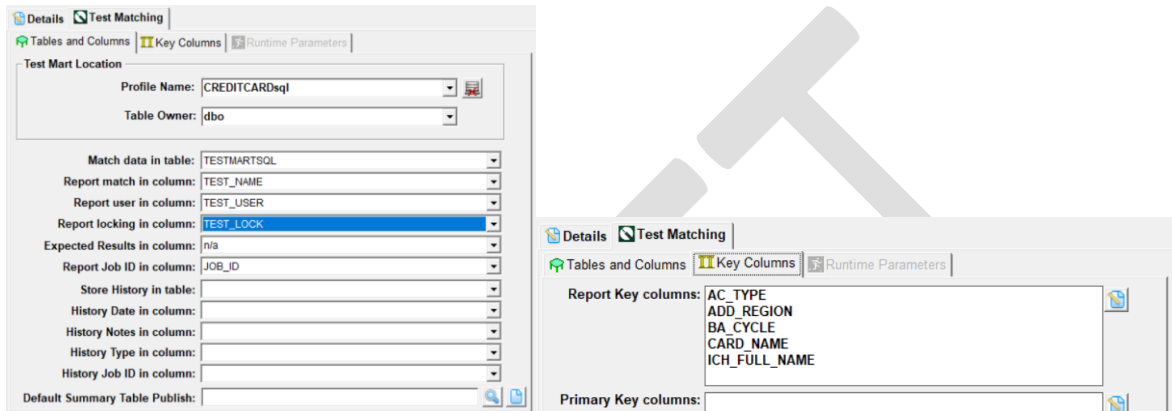
Name : TMCredit

Description : TMCredit

☒ Make Test Data available for external use

☒ On demand? Type : Test Match

When the details window appears, set the appropriate values:



Details Test Matching

Tables and Columns Key Columns Runtime Parameters

Test Mart Location

Profile Name: CREDITCARDsql

Table Owner: dbo

Match data in table: TESTMARTSQL

Report match in column: TEST_NAME

Report user in column: TEST_USER

Report locking in column: TEST_LOCK

Expected Results in column: n/a

Report Job ID in column: JOB_ID

Store History in table:

History Date in column:

History Notes in column:

History Type in column:

History Job ID in column:

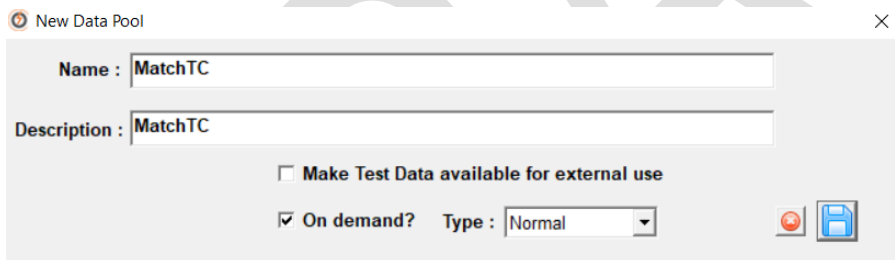
Default Summary Table Publish:

Report Key columns: AC_TYPE, ADD_REGION, BA_CYCLE, CARD_NAME, ICH_FULL_NAME

Primary Key columns:

Click the diskette icon to save.

Create a **normal** datapool, click On Demand box



New Data Pool

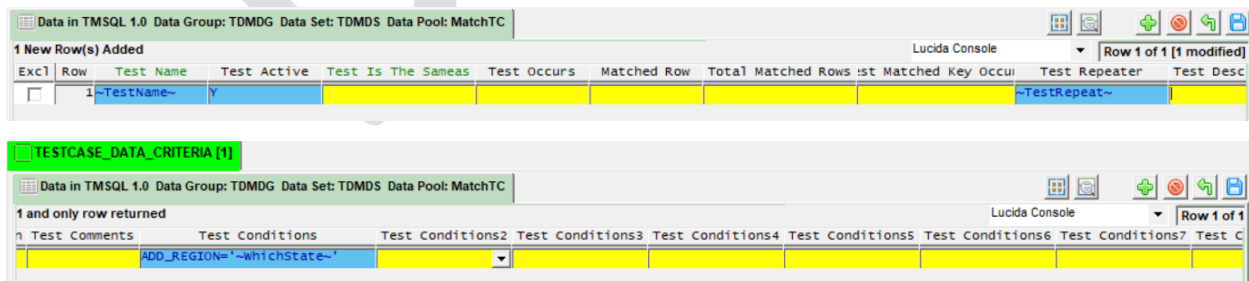
Name : MatchTC

Description : MatchTC

☐ Make Test Data available for external use

☒ On demand? Type : Normal

Edit Data, then edit the Test Case Criteria table. Add 1 row and enter the values as shown. Create the variables as you go, setting them as Project variables.



Data in TMSQL 1.0 Data Group: TDMG Data Set: TDMDS Data Pool: MatchTC

1 New Row(s) Added

Excl	Row	Test Name	Test Active	Test Is The Same as	Test Occurs	Matched Row	Total Matched Rows	1st Matched Key Occur	Test Repeater	Test Desc
	1	~TestName~	Y						~TestRepeat~	

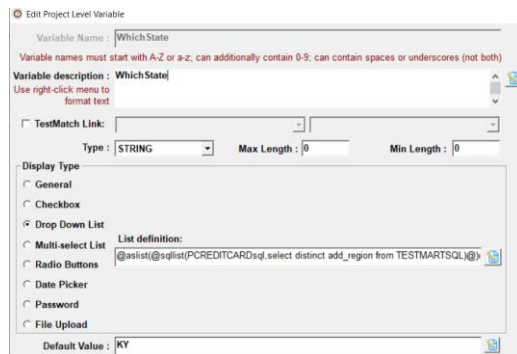
TESTCASE_DATA_CRITERIA [1]

Data in TMSQL 1.0 Data Group: TDMG Data Set: TDMDS Data Pool: MatchTC

1 and only row returned

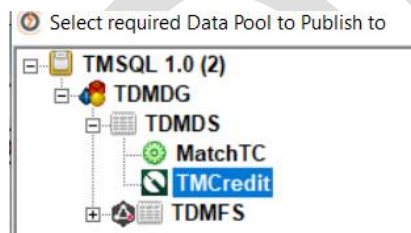
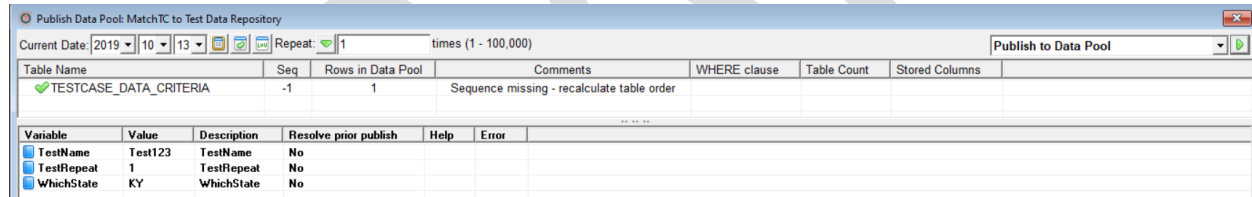
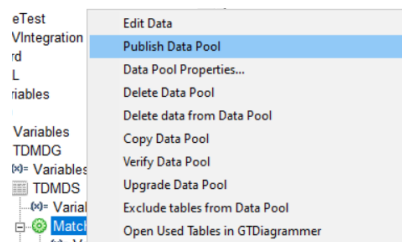
Test Comments	Test Conditions	Test Conditions2	Test Conditions3	Test Conditions4	Test Conditions5	Test Conditions6	Test Conditions7	Test C
	ADD_REGION='~whichState~'							

The “WhichState” variable is set as a Drop-Down list to allow the user to choose which State to match. Directly choose the connection profile to use, specify the query to execute, and set a valid default value.

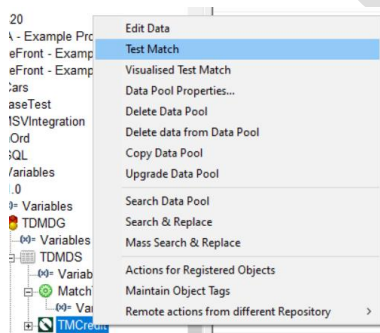


Save the datapool for Testcase_data_criteria and close the Edit Data window.

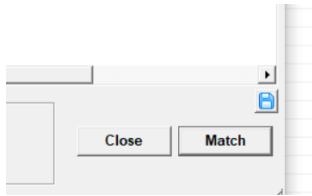
Publish one row from that datapool, Publish to Data Pool, publish to the Test Match datapool.



Right-mouse on the Match datapool and select Test Match



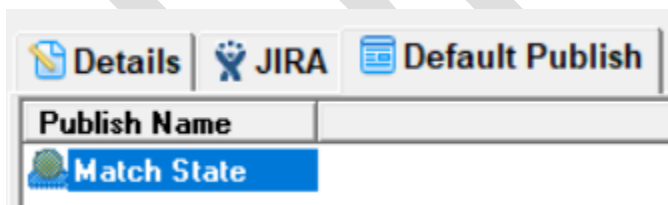
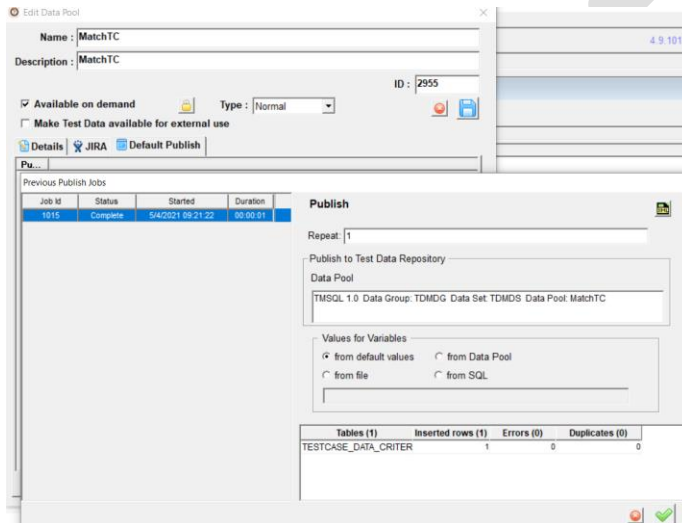
Click the Match button (it will use the default value specified in the WhichState variable).



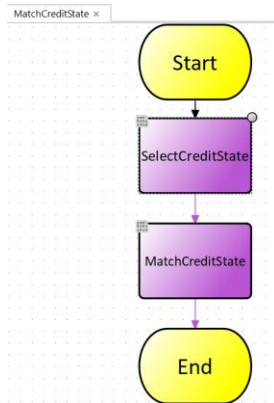
When prompted, execute Immediate, then open the reports.

Test match summary of active tests of Job: 1016						
Test Name	Run status	Prior partial match?	Test Repeater	Test Occurs	Matched Rows (Count of unique report key(s))	Locked + Blocked rows
Test123	Processed in current run	False	1	6	1	1

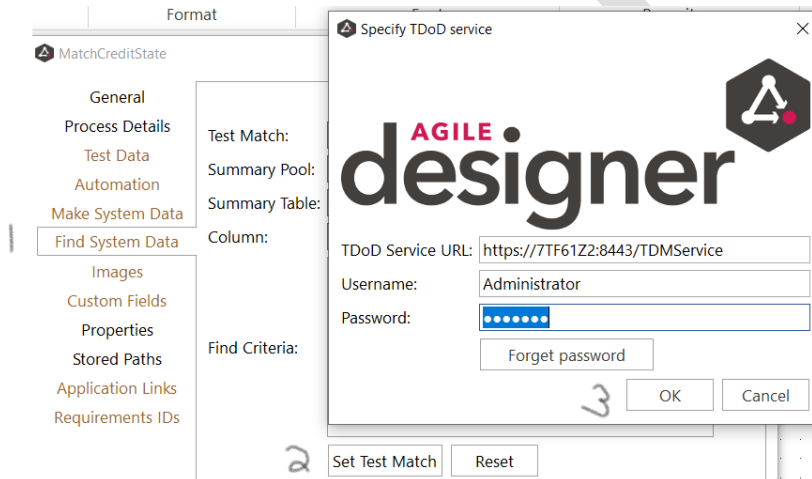
If all is well, return to the “**normal**” datapool in the Project Explorer, right-mouse and select Data Pool Properties. Set the Default Publish.



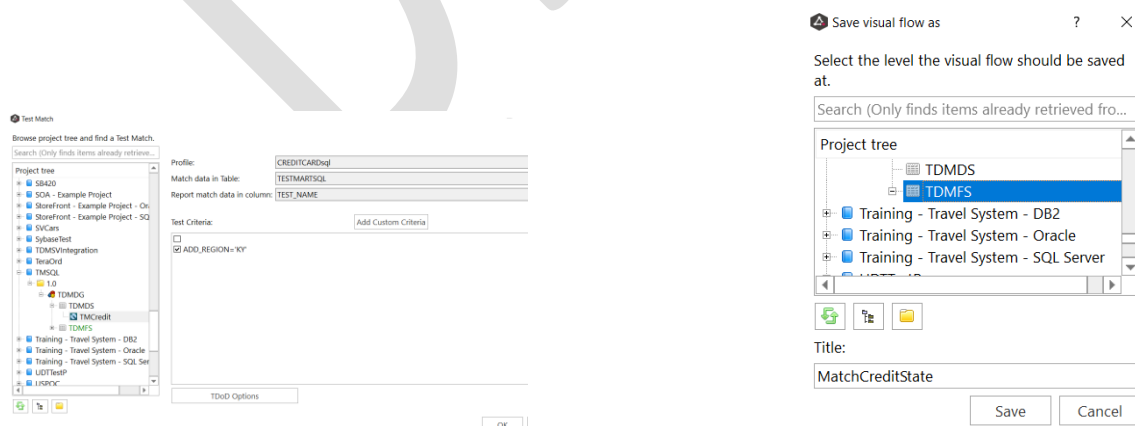
Launch Agile Requirements Designer, create a new flow.



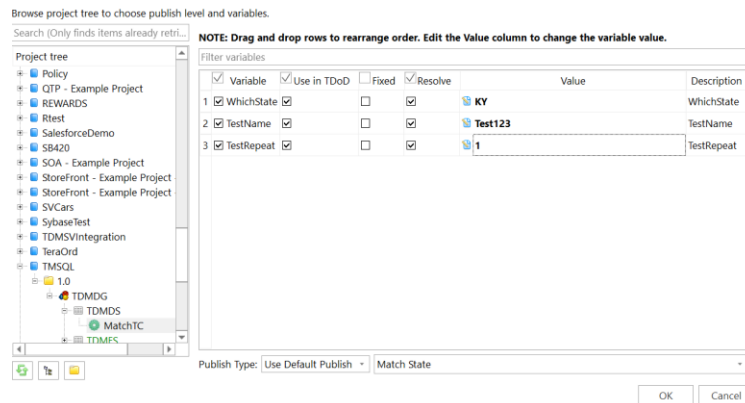
Double-click MatchCreditState, and select Find System Data, Click Set Test Match, and connect to TDM.



Browse the Project Tree & select the “Test Match” Datapool. Click on the checkbox for Test Criteria. Click OK, and Save. Save the flow to the TDM Repository in the Project.



Double-click SelectCreditState, and select Make System Data, Click Set Publish, Choose the “normal” datapool you used before, set the Publish Type to Use Default Publish and set it to the name you had specified above. Select all Variables.



Click OK and Save.

Go to TDM Portal, set the Project as above, and open the Self-Service Flows



Flow Name	Description	Show in Self Service Catalog
MatchCreditState	MatchCreditState	No

Double-click on MatchCreditState. Click on the Show in Self Service Catalog checkbox and Save.



MatchCreditState

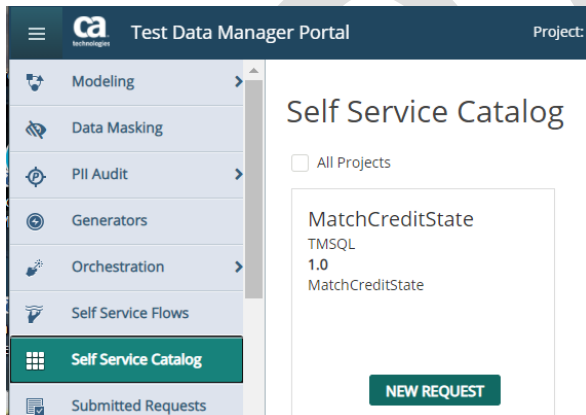
Description*

MatchCreditState

☒ Show in Self Service Catalog

SAVE **CANCEL**

Go to the Self Service Catalog, the tile should be visible.



Self Service Catalog

☐ All Projects

MatchCreditState
TMSQL
1.0
MatchCreditState

NEW REQUEST

Select the State from the pulldown, specify the Test Case name and Repeater. The “Select configuration” will point to the Default Publish. Click Next, Next, and Request to execute the match.

New Request - MatchCreditState

SelectCreditState

Which State *

- AL
- AZ
- CA
- CT
- FL
- GA
- IA
- IL

SelectCreditState

Which State *
GA

TestName *
TestChoseGA

TestRepeat *
1

Select configuration *
Match State

NEXT

Once the job has been completed, download the reports.

Submitted Requests

Self Service Catalog

☐ All Projects

ID	Name	Type	Status	Project Name	Submitted By	Scheduled Date	Start Date	End Date
Filter ID	Filter Name		Filter Status	Filter Project name	Filter Submitted by			
1020	MatchCreditState D...	GROUPJOB	Running	TMSQL	Administrator	2021-05-04 10:02:17	2021-05-04 10:02:17	
1021	MatchCreditState D...	PUBLISH	Completed	TMSQL	Administrator	2021-05-04 10:02:17	2021-05-04 10:02:17	2021-05-04 1...
1022	MatchCreditState D...	TESTMATCH	Completed	TMSQL	Administrator	2021-05-04 10:02:17	2021-05-04 10:02:21	2021-05-04 1...

Open the reports zip, navigate into the folder with the job number, and open the report

You will see the results of your recent run, and any previous runs if you have not run a Cleardown.

Matched key report of Job: 1022						
Test Name	ICH_FULL_NAME	CARD_NAME	BA_CYCLE	ADD_REGION	AC_TYPE	JOB_ID
TestChoseGA	Gideon Briggs	DEBIT	10	GA	PERSONAL	1022
Test123	Brayan van Sambeek	CREDIT	10	KY	BUSINESS	1022

Runtime parameters of test match job 1022	
Simulation Mode	False
Clear Down Old Matches	True
Partial Test Matching Allowed	True
Retry Prior Partial Test Matches	True