



**Marathon
Petroleum Company LP**

Kristin Van Deusen IT Co-Op Presentation

IT Services – Application Developer
Enterprise Data Management

April 29th 2016



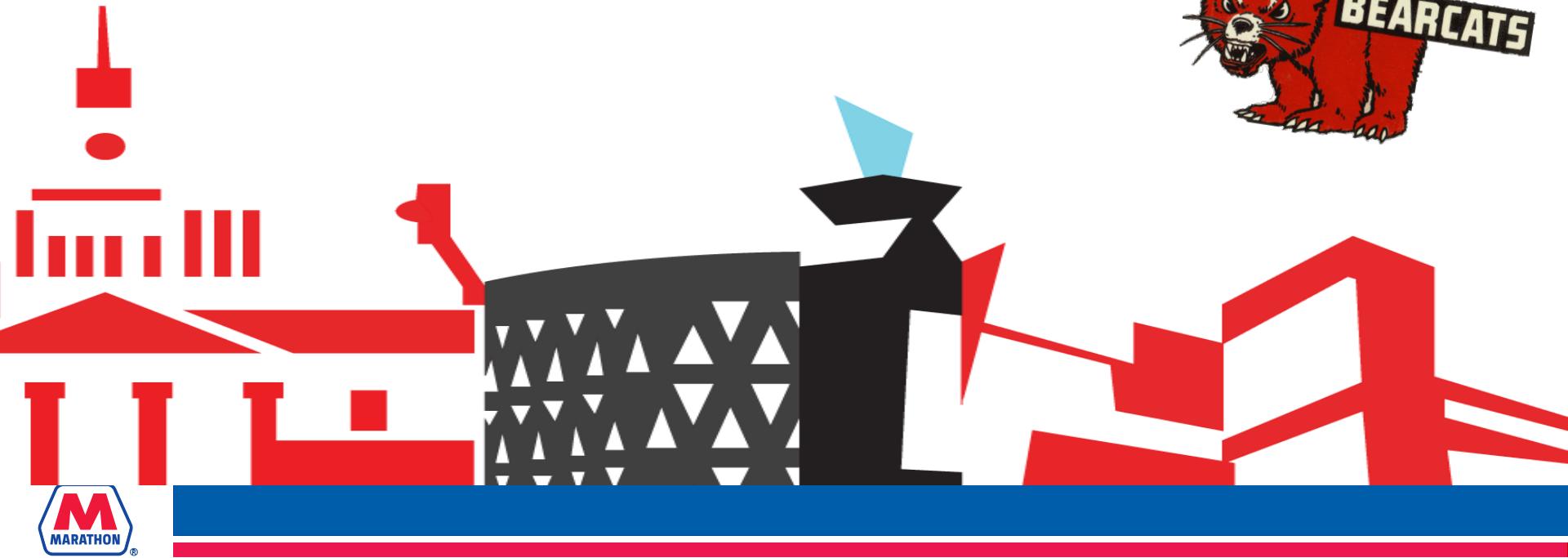
About Me

- Born and Raised in California
- From Cleveland Area (Hudson)
- First Co/Op and First Co/Op with Marathon
- IT Enterprise Data Management Department
 - Supervisor: Sue Anderbery
 - Mentor: Shawn Mestelske



Education

- Second Year at The University of Cincinnati
- Major: Computer Science
 - Minor: Information Technology
 - Software Development, Web Development and Mobile Applications Development



Prior Experience

■ Experience In:

- HTML/HTML5
- CSS
- MATLAB
- Python
- C++
- Swift



Overview of Co-Op Projects

■ Application Metrics Reporting Solution

- The main objective focuses on defining metrics and reporting tools related to support, stability, usage, and performance of key application platforms for IT EDM.

■ Business Objects Support

- By offering BOBJ Support, I was able to help users resolve their issues and maintain data integrity.

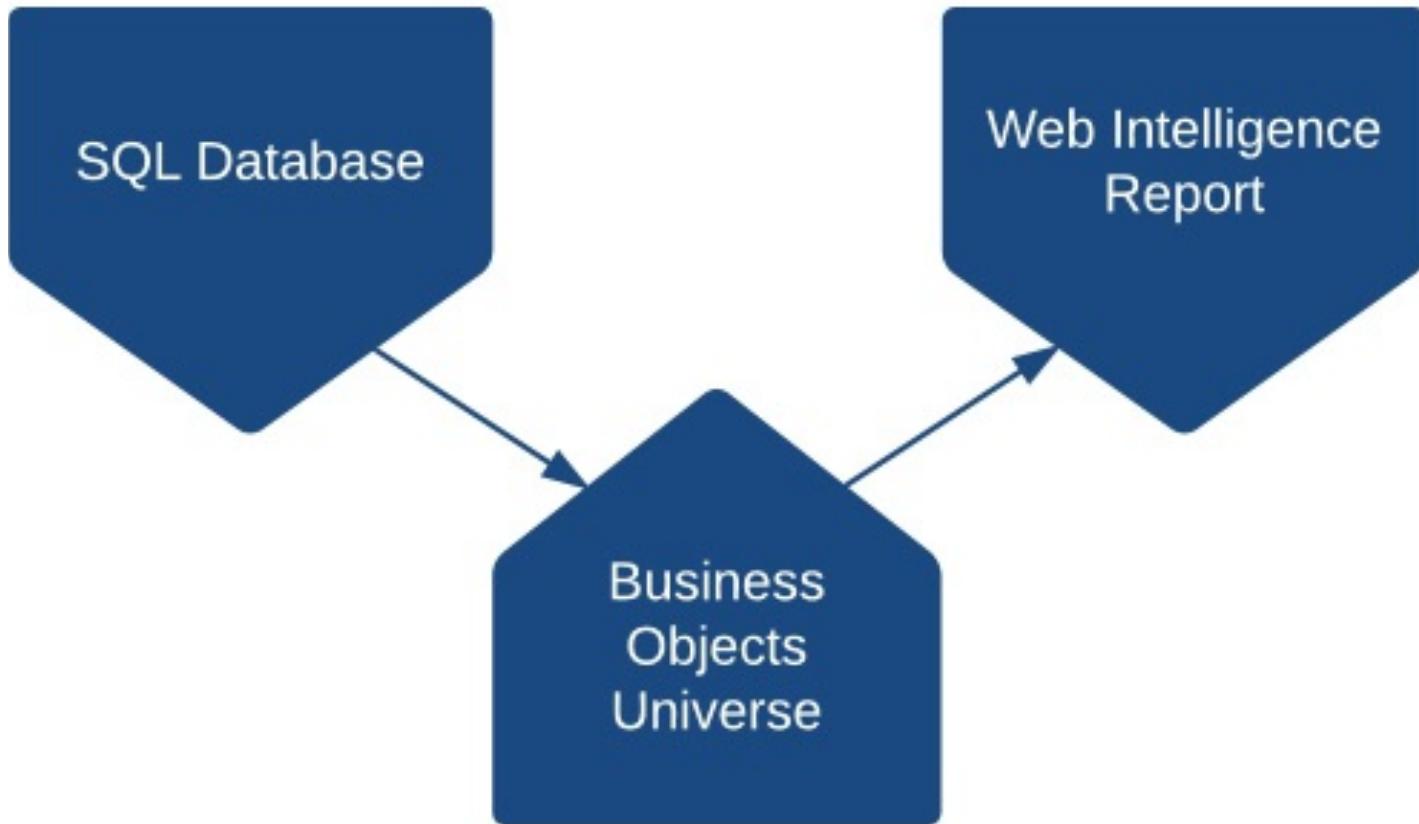
■ Business Objects Upgrade (SAP Release 2)

- Part of Business Object's capabilities relies on the upgrades within the system.



Application Metrics Reporting Solution

- Created A Dashboard to Display Remedy Ticketing Information, PPM and BOBJ Audit Data
 - Effectively Organized Visual Representation of Data that's Easily Shared and Accessible



Application Metrics Reporting Solution

- Remedy Ticketing Information is entered through the Remedy Application

MPC Control Panel

If Queue Mgr or Tower Queue Mgr:
Out of Office: 1st-Set Out of Office to "Yes"...2nd-Set QMTQM to "None"
Back in Office: 1st-Reset "QMTQM" from None...2nd-Toggle off Out of Office

Incident Management <ul style="list-style-type: none"> Submit a New Ticket Search Tickets List All Open Tickets Open Tickets Submitted by You Open Tickets Assigned to You Open Tickets Pending Approval Open Tickets Pending Scheduled Open Tickets Pending Third Party <hr/> <p>Incident Management: Severity 1 and Severity 2 - Logged in the last 24 hours.</p> <p>Severity 1</p> <p>Severity 2</p> <hr/> Problem Management <ul style="list-style-type: none"> Submit New Problem Ticket Search Open Problem Tickets 	Other Searches <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <input style="width: 100%; height: 25px; margin-bottom: 5px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 12px; font-family: inherit;" type="text"/> Start Date/Time <input style="width: 25px; height: 25px; border: 1px solid #ccc; border-radius: 5px; font-size: 10px; font-family: inherit;" type="button" value="..."/> </td> <td style="width: 50%;"> <input style="width: 100%; height: 25px; margin-bottom: 5px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 12px; font-family: inherit;" type="text"/> End Date/Time <input style="width: 25px; height: 25px; border: 1px solid #ccc; border-radius: 5px; font-size: 10px; font-family: inherit;" type="button" value="..."/> </td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 5px;"> By Assignment Group By User </td> </tr> <tr> <td style="width: 50%;"> <input style="width: 100%; height: 25px; margin-bottom: 5px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 12px; font-family: inherit;" type="text"/> Group <input style="width: 25px; height: 25px; border: 1px solid #ccc; border-radius: 5px; font-size: 10px; font-family: inherit;" type="button" value="..."/> </td> <td style="width: 50%;"> <input style="width: 100%; height: 25px; margin-bottom: 5px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px; font-size: 12px; font-family: inherit;" type="text"/> User Login Name <input style="width: 25px; height: 25px; border: 1px solid #ccc; border-radius: 5px; font-size: 10px; font-family: inherit;" type="button" value="..."/> </td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 5px;"> Open Tickets by Group All Tickets Submitted by ... 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Application Metrics Reporting Solution

- The information is then gathered and stored in a SQL Database

SQLQuery1.sql - MTS318.Remedy-REP (remrepdat (55)) - Microsoft SQL Server Management Studio

File Edit View Project Debug Tools Window Help

Object Explorer

MTS318 (SQL Server 12.0.4439.1 - remrepdat)

- Databases
 - System Databases
 - Database Snapshots
 - BrandConsumerRelationsTracking
 - COERepository
 - Marine_CBH
 - PChat_Retention
 - PeopleNet
 - PIFD (Read-Only)
 - PMTabDashBoard
 - PSID
 - PTFAArchival
 - RefiningSuccessFactors
 - Remedy-REP**
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.AH_Closed_Tickets
 - dbo.ASM_OpenEndM
 - dbo.Audit
 - dbo.Closed_Tickets
 - dbo.Closed_ticketsBak
 - dbo.closed_ticketsDup
 - dbo.Counts
 - dbo.ho_mainRepChkCR
 - dbo.ho_mainRepChkM
 - dbo.Open_Tickets
 - dbo.SSISErrorLog

SQLQuery1.sql - MT...P (remrepdat (55))

```
***** Script for SelectTopNRows command from SSMS *****

```

	Ticket_Num	CreateDate	Category	Type	Item	Severity	QueueID	Status	Pending
1	7	2011-05-10 06:23:16.000	OTHER	OTHER	OTHER	3 - Minor	MPC_HELPDESK	Closed	
2	8	2011-05-10 12:14:22.000	OTHER	OTHER	OTHER	3 - Minor	MPC_HELPDESK	Closed	
3	17	2011-05-31 08:11:18.000	DOMAIN ACCOUNT	MGROUPNET	UNLOCK ACCOUNT	4 - Little/None	MPC_HELPDESK	Closed	
4	18	2011-05-31 08:20:23.000	DOMAIN ACCOUNT	MGROUPNET	PASSWORD RESET	4 - Little/None	MPC_HELPDESK	Closed	
5	19	2011-05-31 08:37:06.000	DOMAIN ACCOUNT	MGROUPNET	HOW TO	3 - Minor	MPC_HELPDESK	Closed	
6	380885	2006-09-13 10:49:00.000	SAP	SAP BI/BW_651	ENHANCEMENT	4 - Little/None	MPCC ADM FINANCIAL...	Closed	
7	383112	2006-09-16 20:07:47.000	SAP	SAP FI/CO_1112	ENHANCEMENT	3 - Minor	MOC_WEBMETHODS_EAI	Closed	
8	474035	2007-02-19 09:34:04.000	SAP	SAP PRA_1116	OTHER	4 - Little/None	MOC SAP PRA SUPPORT	Closed	Partner-IRM

Query executed successfully.

MTS318 (12.0 SP1) | remrepdat (55) | Remedy-REP | 00:00:00 | 1000 rows

SQLQuery3.sql - MT...P (remrepdat (62))

```
***** Script for SelectTopNRows command from SSMS *****

```

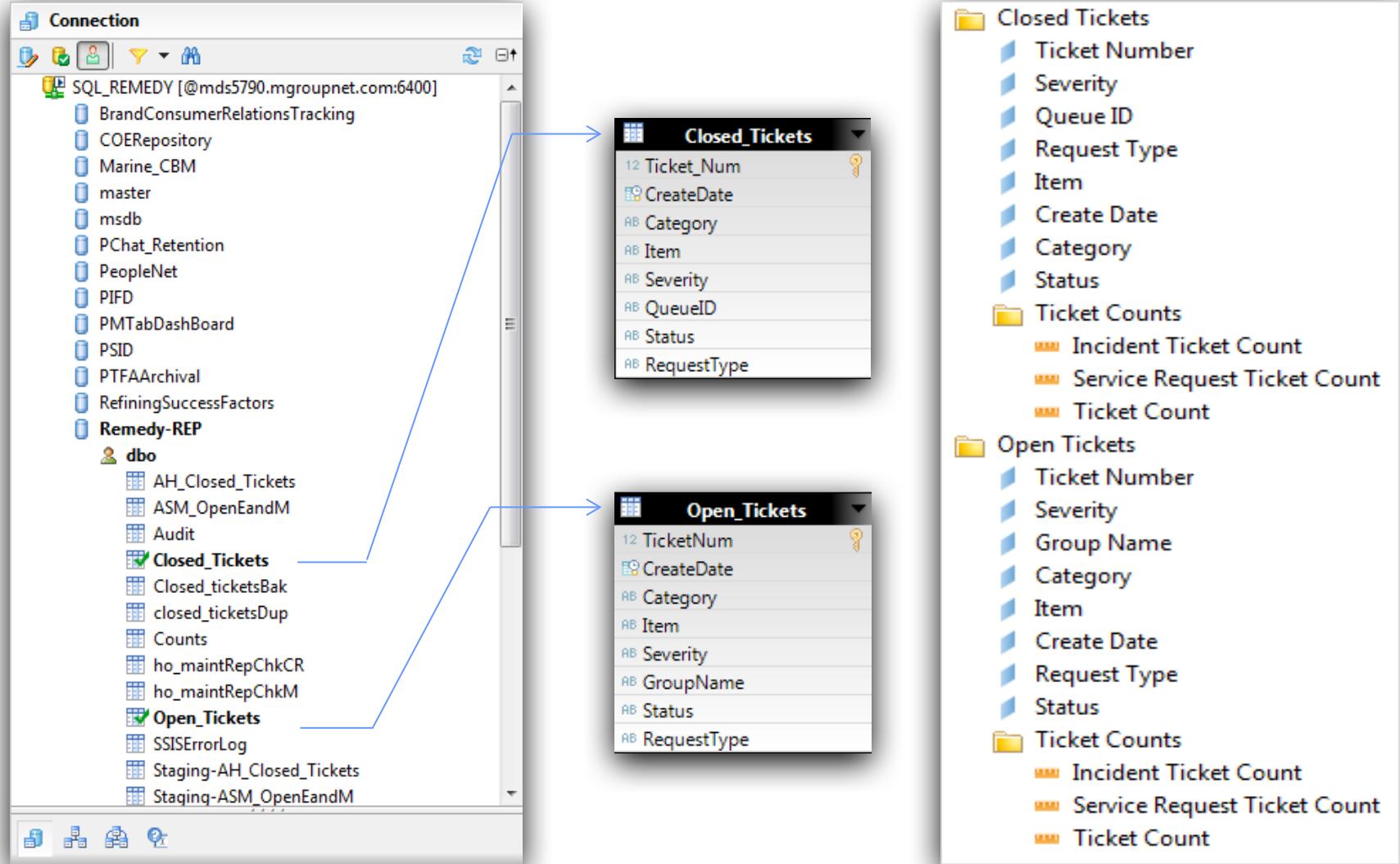
	TicketNum	CreateDate	Category	Type	Item	Severity	GroupName	Status	Pending
1	3929832	2015-02-11 09:03:58.000	APPLICATIONS	TITLE & CONTRACT_1187	ENHANCEMENT	4 - Little/None	MPC_DISTRIB_APPS	Work In Progress	NULL
2	4003462	2015-05-12 08:43:20.000	APPLICATIONS	MARATHON ADM PORTAL_9999	OTHER	4 - Little/None	MPC_DISTRIB_APPS	Work In Progress	NULL
3	4081679	2015-08-05 13:45:02.000	APPLICATIONS	TITLE & CONTRACT_1187	ENHANCEMENT	4 - Little/None	MPC_DISTRIB_APPS	Assigned	NULL
4	4128251	2015-09-24 14:48:45.000	APPLICATIONS	ASSET HISTORY SYSTEM_2292	ENHANCEMENT	3 - Minor	MPC_DISTRIB_APPS	Assigned	NULL
5	4136721	2015-10-05 09:48:56.000	APPLICATIONS	TITLE & CONTRACT_1187	OTHER	4 - Little/None	MPC_DISTRIB_APPS	Work In Progress	NULL
6	4194891	2015-12-14 06:49:33.000	APPLICATIONS	IIS APPLICATION SUPPORT_2916	OTHER	4 - Little/None	MPC_DISTRIB_APPS	Pending	Approval
7	4207331	2015-12-30 08:29:55.000	APPLICATIONS	FACTORY_9997	OTHER	3 - Minor	MPC_DISTRIB_APPS	Work In Progress	NULL
8	4248508	2016-02-16 11:36:28.000	APPLICATIONS	BRIDGER INSIGHT (PATRIOT ACT)_68	OTHER	4 - Little/None	MPC_DISTRIB_APPS	Work In Progress	NULL

Query executed successfully.

MTS318 (12.0 SP1) | remrepdat (62) | Remedy-REP | 00:00:00 | 1000 rows

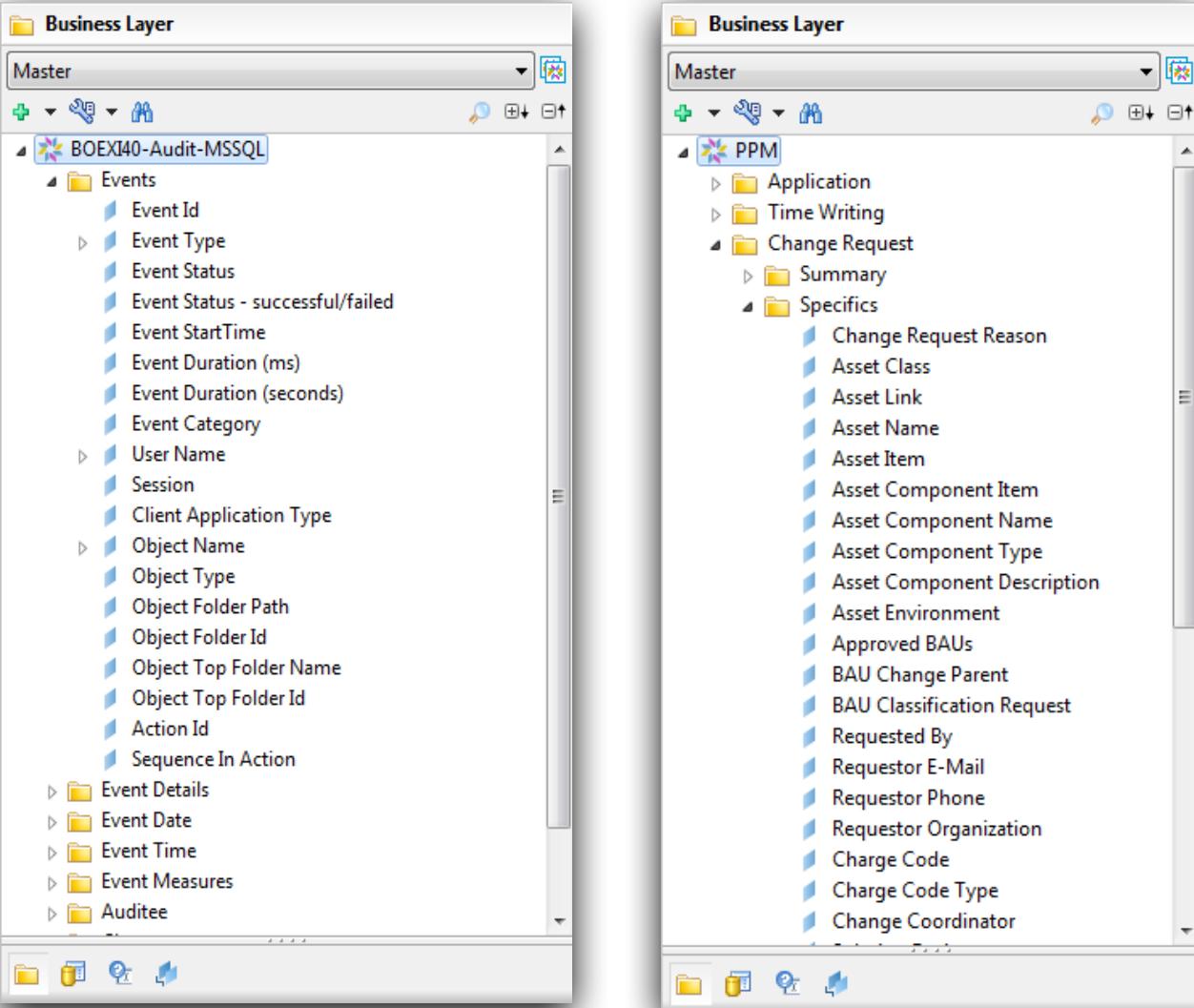
Application Metrics Reporting Solution

- Created a Remedy Universe in the Information Design Tool.



Application Metrics Reporting Solution

- Acquired Existing PPM and Business Objects Audit Universes

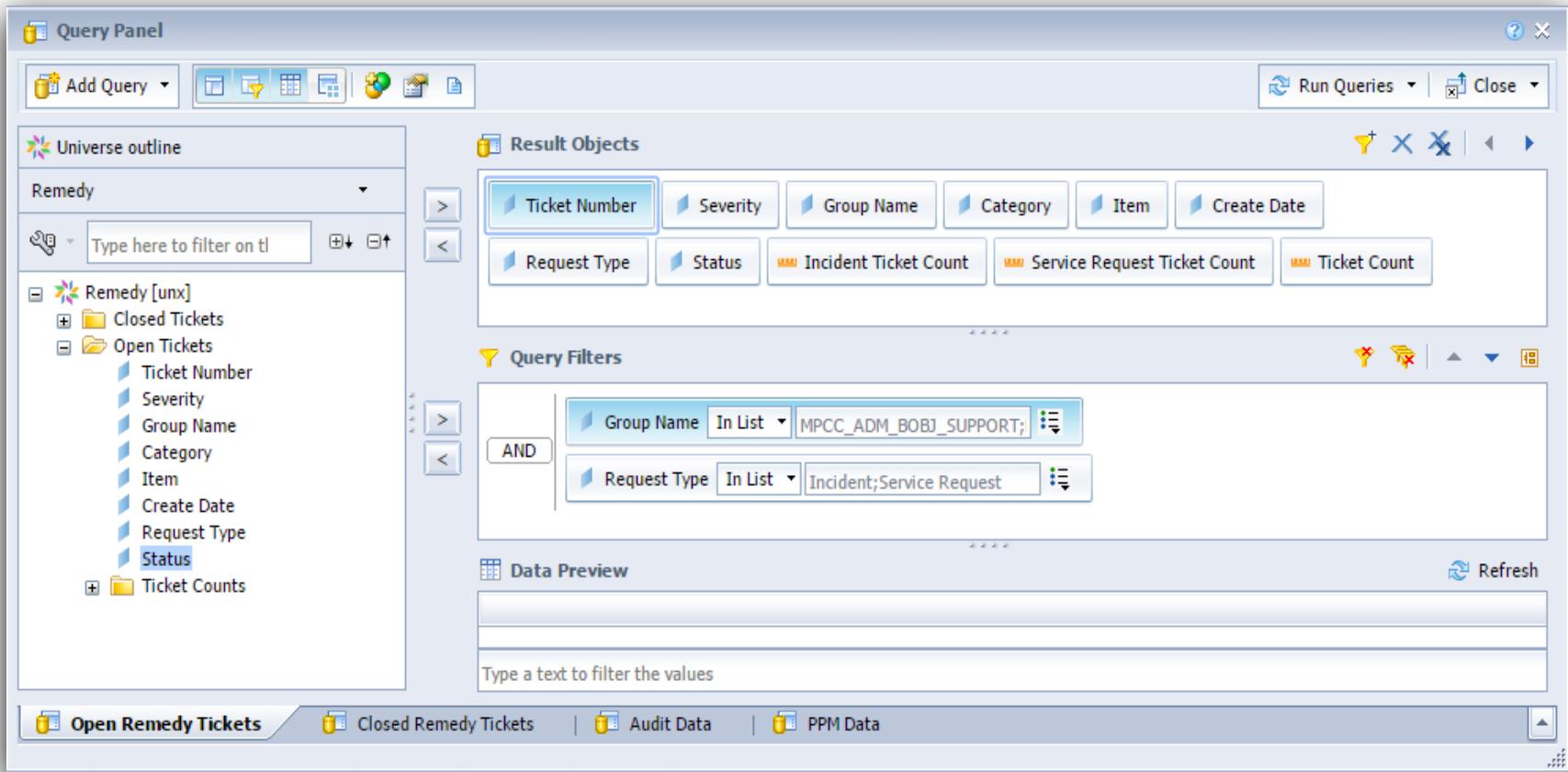


The screenshot displays two separate audit universes within a Business Layer interface:

- BOEXI40-Audit-MSSQL** (Left):
 - Events** folder containing:
 - Event Id
 - Event Type
 - Event Status
 - Event Status - successful/failed
 - Event StartTime
 - Event Duration (ms)
 - Event Duration (seconds)
 - Event Category
 - User Name
 - Session
 - Client Application Type
 - Object Name
 - Object Type
 - Object Folder Path
 - Object Folder Id
 - Object Top Folder Name
 - Object Top Folder Id
 - Action Id
 - Sequence In Action
 - Event Details**, **Event Date**, **Event Time**, **Event Measures**, and **Auditee** folders.
- PPM** (Right):
 - Application**, **Time Writing**, **Change Request**, **Summary**, and **Specifics** folders.
 - Specifics** folder containing:
 - Change Request Reason
 - Asset Class
 - Asset Link
 - Asset Name
 - Asset Item
 - Asset Component Item
 - Asset Component Name
 - Asset Component Type
 - Asset Component Description
 - Asset Environment
 - Approved BAUs
 - BAU Change Parent
 - BAU Classification Request
 - Requested By
 - Requestor E-Mail
 - Requestor Phone
 - Requestor Organization
 - Charge Code
 - Charge Code Type
 - Change Coordinator

Application Metrics Reporting Solution

- Utilized queries to pull in relevant reporting data and create a Web Intelligence Dashboard.



The screenshot shows a 'Query Panel' window with the following components:

- Universe outline:** Shows the 'Remedy' universe with categories like 'Closed Tickets', 'Open Tickets' (Ticket Number, Severity, Group Name, Category, Item, Create Date, Request Type, Status), and 'Ticket Counts'.
- Result Objects:** A grid of objects including Ticket Number, Severity, Group Name, Category, Item, Create Date, Request Type, Status, Incident Ticket Count, Service Request Ticket Count, and Ticket Count.
- Query Filters:** A section where filters are applied. The current filter is set to 'AND' and includes 'Group Name In List MPCC ADM BOBJ SUPPORT' and 'Request Type In List Incident;Service Request'.
- Data Preview:** A section for previewing data, with a placeholder 'Type a text to filter the values'.
- Bottom Navigation:** Buttons for 'Open Remedy Tickets', 'Closed Remedy Tickets', 'Audit Data', and 'PPM Data'.

Application Metrics Reporting Solution

Application Support Summary

Remedy & PPM Data

Application	Total Tickets		
	Open	Closed	Total
MPCC ADM BOBJ SUPPORT	9	242	251
MPCC ADM BW SUPPORT	78	59	137
MPCC SAP DS SUPPORT	30	441	471
MPCC SAP MDM MATERIAL	42	173	215
MPCC SAP MDM VENDOR	21	206	227
MPCC SAP PI SUPPORT	11	2,583	2,594

Application	Severity	Incident			Service Request		
		Open	Closed	Total	Open	Closed	Total
MPCC ADM BOBJ SUPPORT	2 - Major					1	1
	3 - Minor		53	53	9	94	103
	4 - Little/None		24	24		70	70
MPCC ADM BW SUPPORT	3 - Minor	3	30	33	54	17	71
	4 - Little/None		4	4	21	8	29
	2 - Major		4	4		1	1
MPCC SAP DS SUPPORT	3 - Minor		33	33	21	253	274
	4 - Little/None	3	11	14	6	139	145
	2 - Major					3	3
MPCC SAP MDM MATERIAL	3 - Minor	12	46	58	3	32	35
	4 - Little/None	9	42	51	18	50	68
	2 - Major		1	1		1	1
MPCC SAP MDM VENDOR	3 - Minor	9	39	48		21	21
	4 - Little/None	9	46	55	3	98	101
	2 - Major		1	1		1	1
MPCC SAP PI SUPPORT	1 - Severe		2	2			
	2 - Major		33	33		6	6
	3 - Minor	3	267	270	3	557	560
	4 - Little/None	1	263	264	4	1,455	1,459

PPM Group	Change Requests		
	Open	Closed	Total
Business Objects		2	2
Commodity	1		1
Customer	1		1
Data Services	19	20	39
Material	12	32	44
Process Integration		4	4
Vendor	6	32	38

Application Metrics Reporting Solution

■ Completed Definition Decision Support Package

**IT Enterprise Management Application Metrics
Definition Phase-end
Decision Support Package**

Business Goals and Objectives
 This project will define the metrics that will be captured and monitored for key application platforms supported by the IT Enterprise Data Management team. The main objective focuses on defining metrics and reporting tools related to the support, stability, usage, and performance of key application platforms for owners, IT management, and administrators to follow.

Project Scope

Included:

- Definition and description of key metrics to be reported.
- Identification of options for data gathering and reporting for the key metrics.
- Metrics for key application platforms supported by the IT Enterprise Data Management team in the areas of Enterprise Master Data Domains (Vendor and Material – ECC & MDG), SAP Business Objects (BOBJ), The SAP Business Warehouse Platform (BW), Process Integration (PI), and The SAP Data Services Platform (BODS).

Excluded:

- Infrastructure metrics that would be captured by the Infrastructure or Basis teams for all SAP applications.
- Any metrics requiring automated data capture in Solution Manager.

Key Decisions

Options Considered:

Viable Reporting Solutions Considered:

1. Solution Manager Tools – Use the built-in data gathering tools of SAP Solution Manager to gather metrics for Business Warehouse (BW), and Process Integration (PI).
2. Manual Metric Capturing – Manually gather metrics for Process Integration (PI), Business Objects (BOBJ), Enterprise Data Domains – Vendor and Material (ECC & MDG) and SAP Data Services (BODS) due to significant effort required to make the data accessible from Solution Manager.

Remedy Ticket Reporting Solutions Considered:

1. Integrated Reporting Solution (LogXML) – Utilize the Integrated Reporting Solution, which uses LogXML to create reports from Remedy. The database used for Integrated Reporting Solution is up to 2 hours behind the live Remedy data.
2. SQL Database – Pull data from a SQL database, containing Remedy ticket information, on to the SAP Web Intelligence Platform. Data will be updated two times a day, early in the morning and around noon.

Total Cost	Low Range -10%	High Range +10%
\$46,400	\$20,880	\$25,520
\$22,200	\$46,960	\$57,420
\$5,800	\$5,220	\$6,380
\$100	\$119,480	\$135,720

Prepared By: Kristin Van Deusen

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4/25/2016

4/25/2016

Business Objects Support

- Completed Migration Requests for individuals across each Business Area.

BOBJ MTP Instructions

PPM Request #:	201646
Call:	No
Developer Name:	Kristin Van Deusen
Phone:	
Date Required (If Date Sensitive) -->	1/20/2016
Time Required (If Time Sensitive) -->	
Does the move need to be coordinated with other implementation schedules:	
Source Environment:	Development
Destination Environment:	QA

Objects

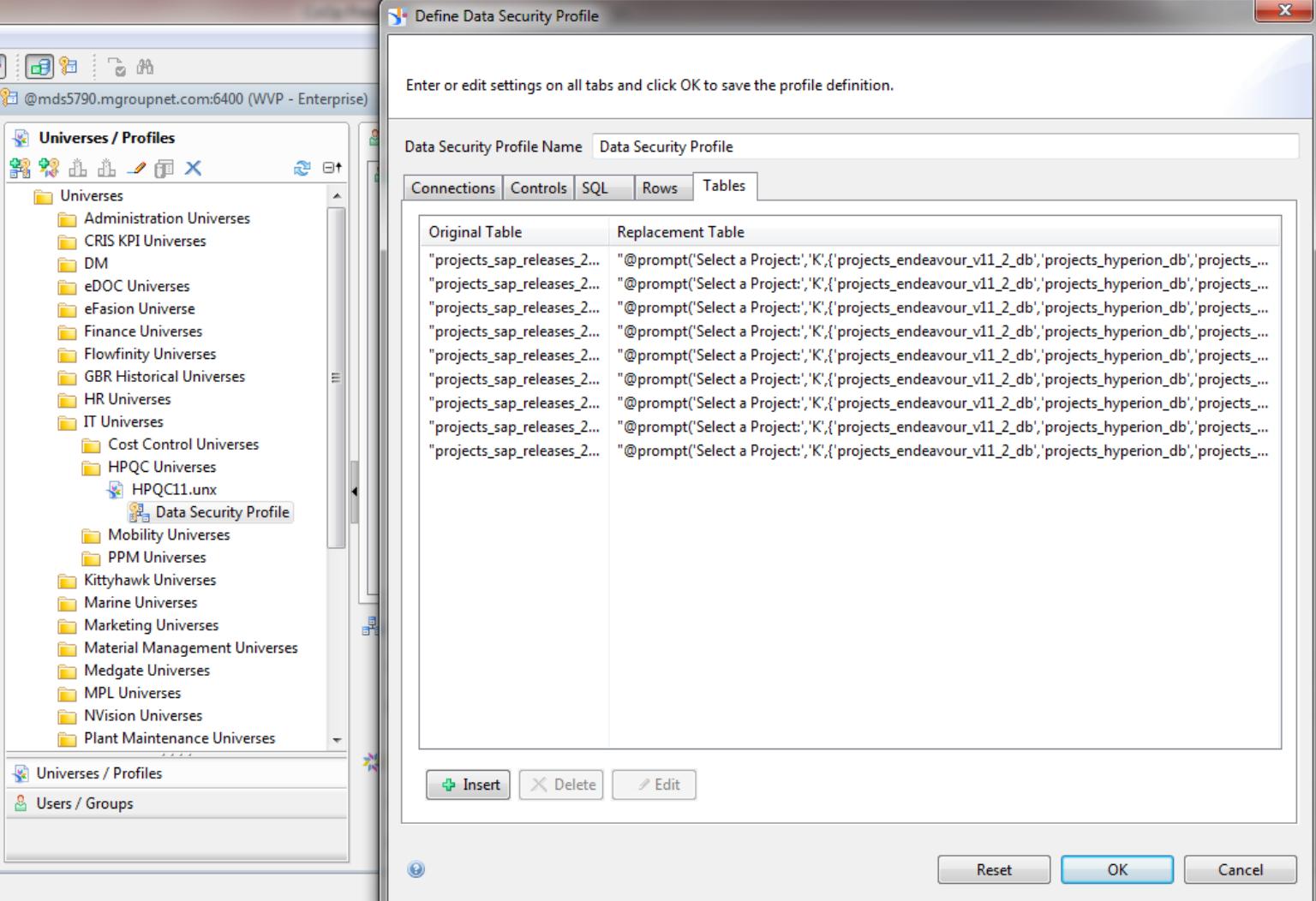
Source Folder	Change Type	Object Name	Object Type
IT -> PI Statistics	Update	PI Statistics	Web Intelligence

Promotion Jobs

Name	Status	Created	Last Run	Source	Destination	Created By
Dev Migrations (BOD)	Mar 28, 2014 9:08 AM					Administrator
N+1 QA Migrations (B06)	Jan 8, 2014 6:47 PM					Administrator
N+1 Dev Migrations (B05)	Nov 25, 2013 9:42 AM					Administrator
Sandbox Migrations (BOX)	Sep 26, 2013 9:09 AM					Administrator
Backup Jobs (LCMBIAR Files)	Sep 26, 2013 8:24 AM					Administrator
Quality Migrations (BOQ)	Sep 26, 2013 8:20 AM					Administrator
Training Migrations (BOT)	Sep 25, 2013 9:15 AM					Administrator
Production Migrations	Jun 29, 2012 10:14 AM					Administrator

Business Objects Support

- Configured security profiles using the Information Design Tool.



The screenshot shows the SAP BusinessObjects Information Design Tool interface. On the left, there is a navigation tree titled 'Universes / Profiles' containing various universe categories like Administration Universes, CRIS KPI Universes, DM, eDOC Universes, eFusion Universe, Finance Universes, Flowfinity Universes, GBR Historical Universes, HR Universes, IT Universes (with sub-folders like Cost Control Universes, HPQC Universes, and HPQC11.unx), Mobility Universes, PPM Universes, Kittyhawk Universes, Marine Universes, Marketing Universes, Material Management Universes, Medgate Universes, MPL Universes, NVision Universes, and Plant Maintenance Universes. Below this tree are two buttons: 'Universes / Profiles' and 'Users / Groups'.

The main window is titled 'Define Data Security Profile'. It contains a message: 'Enter or edit settings on all tabs and click OK to save the profile definition.' Below this is a tab bar with 'Data Security Profile Name' and 'Data Security Profile' tabs, with 'Data Security Profile' selected. Underneath are five tabs: 'Connections', 'Controls', 'SQL', 'Rows', and 'Tables'. The 'Tables' tab is active, showing a table with two columns: 'Original Table' and 'Replacement Table'. The 'Original Table' column lists multiple entries starting with 'projects_sap_releases_2...'. The 'Replacement Table' column lists corresponding replacement tables for each entry. At the bottom of the 'Tables' tab are three buttons: 'Insert', 'Delete', and 'Edit'. At the very bottom of the dialog are three buttons: 'Reset', 'OK', and 'Cancel'.

Business Objects Support

- Validated and resolve issues within reports to maintain data integrity.

PI Scenario Identifi (OSM_SCENL) - Key	Group	System	Name
dir://IFLOW/MPAC_MPCToAristotle	Corporate	MPAC	MPCToAristotle
dir://IFLOW/MPAC_SPDWYtoAristotle	Corporate	MPAC	SPDWYtoAristotle

```
=If( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/1bdb8d95d922385ca3f6e893f17dbff8")) Then ("SFSFSessionHandlingLogoutQueryResult_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/5a52e1da585d3bf3a780dc9220646cf1")) Then ("SFSFSessionHandlingLoginQueryResult_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/74fcc02b6fad3d449b9b5478604366d3")) Then ("SFSFQueryHandlingSubmitJobQueryResponse_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/88b752be08043c47b34e74d96d33b0a4")) Then ("SFSFQueryHandlingGetJobResultEmbeddedQueryResponse_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/d37fef5f91cd3d3aa8dc01b9156ccb6c")) Then ("SFSFQueryHandlingGetJobStatusQueryResponse_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/6f890e531f6d3bdccb90dbddd159fd22")) Then ("SFSFJobApplicationStatusUpdateRequestConfirmation_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/12c5ca64f2a43af59cc15a37c19eeb7d")) Then ("SFSFCandidateUserIdUpdateRequestConfirmation_Out")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://ICO/d1e902b5899538d5a80dfdeab98a892d")) Then ("MailNotification_Async_Out ")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://IFLOW/MPAC_MPCToAristotle")) Then ("MPCToAristotle")
ElseIf( Match([Query 1].[PI Scenario Identifi (OSM_SCENL)].[PI Scenario Identifi (OSM_SCENL) - 
Key];"dir://IFLOW/MPAC_SPDWYtoAristotle")) Then ("SPDWYtoAristotle")
```

Business Objects Support

- Created and set up BOBJ access for Speedway Test IDs.

Name	Full Name	Type	Description	Date Modified
BW2~100/ZTEST_SPDY		User		Nov 19, 2013 2:34 PM
ZTEST_SPDWY1549		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY1577		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY2917		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY2921		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY6207		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY7140		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY7159		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY7165		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY7173		User		Feb 5, 2016 9:38 AM
ZTEST_SPDWY8495		User		Mar 3, 2016 2:08 PM

Alias:	Authentication Type:	Enabled:	Assign Alias...	New Alias...
secEnterprise:ZTEST_SPDWY1549	Enterprise	<input checked="" type="checkbox"/>	Delete Alias	
secSAPR3:BW2~100/SPDWY1549	SAP R3	<input checked="" type="checkbox"/>	Reassign Alias...	Delete Alias

Business Objects Upgrade (SAP Release 2)

- Created and Pulled in Test Cases and Test Sets in HPQC for each Testing Group

Application Lifecycle Management

Domain: PROJECTS, Project: SAP_Releases_2016, User: wvp Logout

Test Sets Edit View Tests Favorites Analysis

No Filter Defined

Hardin Street Formation

- Release 1
- Release 2
 - _VIM Upgrade
 - Account Reconciliation System
 - HR Portal App Upgrade
 - P2R Enhancements
 - Support Packs
 - Budget to Report
 - CRM
 - Hire to Retire
 - Master Data Governance
 - Mobility
 - Plan to Repair
 - Procure to Pay
 - Sabrix
 - SAP Security, GRC and IDM
 - SAP Tools
 - 00 Sandbox Testing - EC1
 - 10 Unit Testing - EC5
 - 20 SIT-UAT Testing Cycle - EC6
 - Archiving
 - Basis
 - BOBJ
 - Accounts Receivable Tests
 - BOBJ Tests
 - CRIS KPI Tests
 - HPQC Tests
 - Income Tax Tests
 - Lost-Op Tests
 - Marketing Tests
 - MPL SPP Tests
 - Plant Maintenance
 - Polaris Tests
 - Renewable Fuels Tests
 - STATS Tests
 - DART
 - Data Services
 - PI
 - SAP TAD
 - SPM
 - 25 Production Dev Testing - EC2
 - 30 Dress Rehearsal - EC3
 - 40 Production Validation Testing - ECP
 - Title & Contract - CLM
 - Treasury
 - Release 3
 - Release 4
 - Trash

	Name	Test: Test Name	Status	Iterations	Responsible..
11Access to Information Design Tool	Access to Information Design Tool	Passed	wvp		
11Access to Universe Design Tool	Access to Universe Design Tool	Passed	kdw		
11Access to Web Intelligence Rich Client	Access to Web Intelligence Rich Client	Passed	kdw		
11Business Folder Access for Finance Developers	Business Folder Access for Finance Developers	N/A	kdw		
11Check for the Settings in 4.1	Check for the Settings in 4.1	Passed	kdw		
11Create New CRE Against UNX Universe	Create New CRE Against UNX Universe	Passed	kdw		
11Create a New Web Intelligence Report Using a Universe	Create a New Web Intelligence Report Using a Universe	Passed	kdw		
11Create a New WEBI Report Against BEx Query Using STS	Create a New WEBI Report Against BEx Query Using STS	Passed	kdw		
11Create an Analysis-OLAP Against BEx Query	Create an Analysis-OLAP Against BEx Query	Passed	kdw		
11Create an Info Space Using Explorer	Create an Info Space Using Explorer	Passed	wvp		
11Modify a Web Intelligence Report	Modify a Web Intelligence Report	Passed	kdw		
11Open, Refresh, Save and Delete Web Intelligence Report	Open, Refresh, Save and Delete Web Intelligence Report	Passed	kdw		
11Perform SSO to BI Launchpad	Perform SSO to BI Launchpad	Passed	wvp		
11Run an Existing WEBI Report Against BEx Query	Run an Existing WEBI Report Against BEx Query	Passed	wvp		
11Run an existing WEBI report against UNX universe	Run an existing WEBI report against UNX universe	Passed	wvp		
11Run Analysis for Office Report	Run Analysis for Office Report	Passed	wvp		
11Run Existing Report from Favorites	Run Existing Report from Favorites	Passed	wvp		
11Schedule a Web Intelligence Report	Schedule a Web Intelligence Report	Passed	wvp		

Last Run Report

Step Name	Status	Exec Date	Exec Time
Step 1	Passed	3/7/2016	3:22:22 PM
Step 2	Passed	3/7/2016	3:23:03 PM
Step 3	Passed	3/7/2016	3:23:27 PM
Step 4	Passed	3/7/2016	3:24:01 PM
Step 5	Passed	3/7/2016	3:25:23 PM

Steps Details

Description:
Go to the Information Design Tool application through Start > All Programs > SAP Business Intelligence > SAP BusinessObjects BI Platform 4 Client Tools > Information Design Tool

Expected:
Information Design Tool application opens. (Click cancel on session dialog box if appears.)

Actual:
Information design tool opens, after loading

Business Objects Upgrade (SAP Release 2)

- Performed and revised BOBJ Post-Upgrade Validation Test Cases.

Manual Runner: Test Set <BOBJ Tests>, Test <[1]Access to Information Design Tool...

Step Name	Status	Exec Date	Exec Time	Audit_Approve...	Audit_Events
Step 1	Passed	4/25/2016	3:39:31 PM		
Step 2	Passed	4/25/2016	3:39:53 PM		
Step 3	Passed	4/25/2016	3:40:08 PM		
Step 4	Passed	4/25/2016	3:40:24 PM		
Step 5	Passed	4/25/2016	3:40:39 PM		

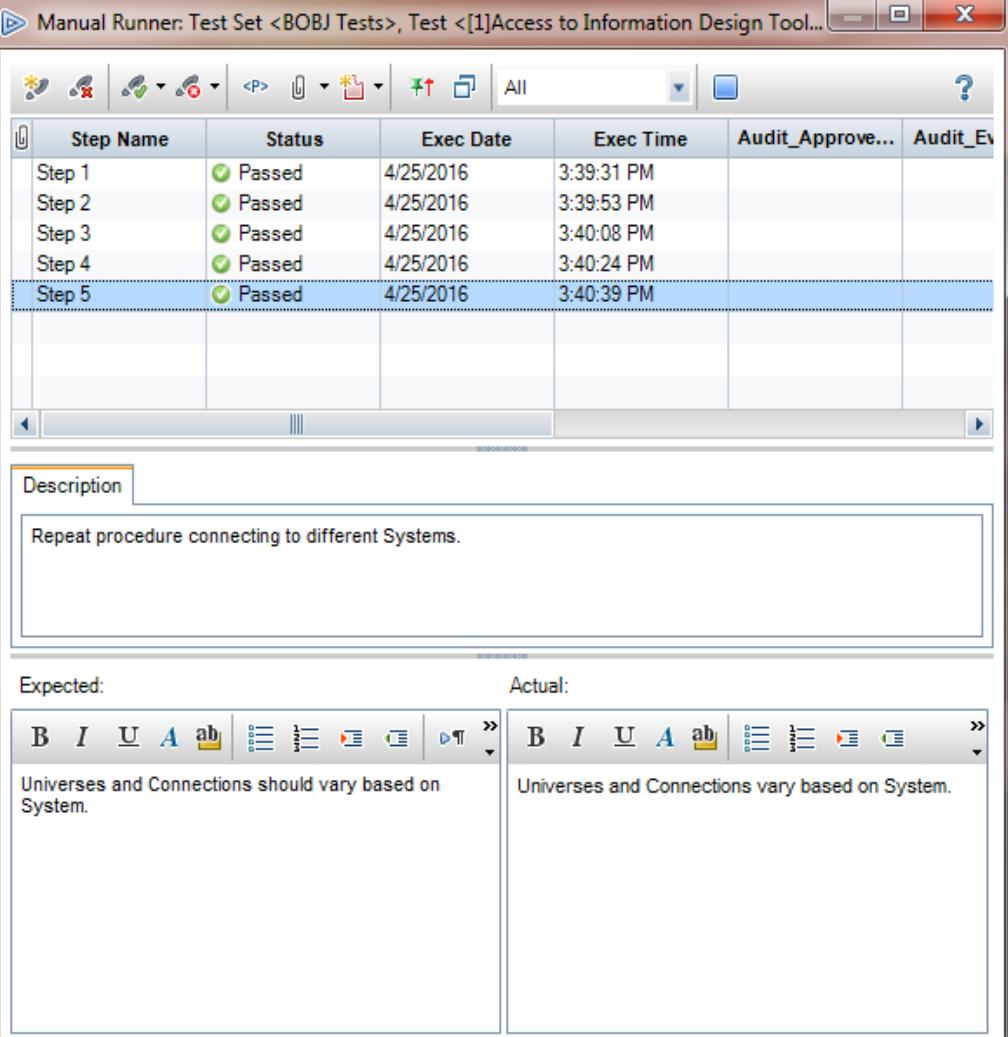
Description

Repeat procedure connecting to different Systems.

Expected: Actual:

B I U A ab B I U A ab

Universes and Connections should vary based on System. Universes and Connections vary based on System.



Business Objects Upgrade (SAP Release 2)

- Gave BOBJ Upgraded Features Presentation to The Enterprise Reporting & Analytics CoP



Marathon Petroleum Company LP

What's New in Business Objects?

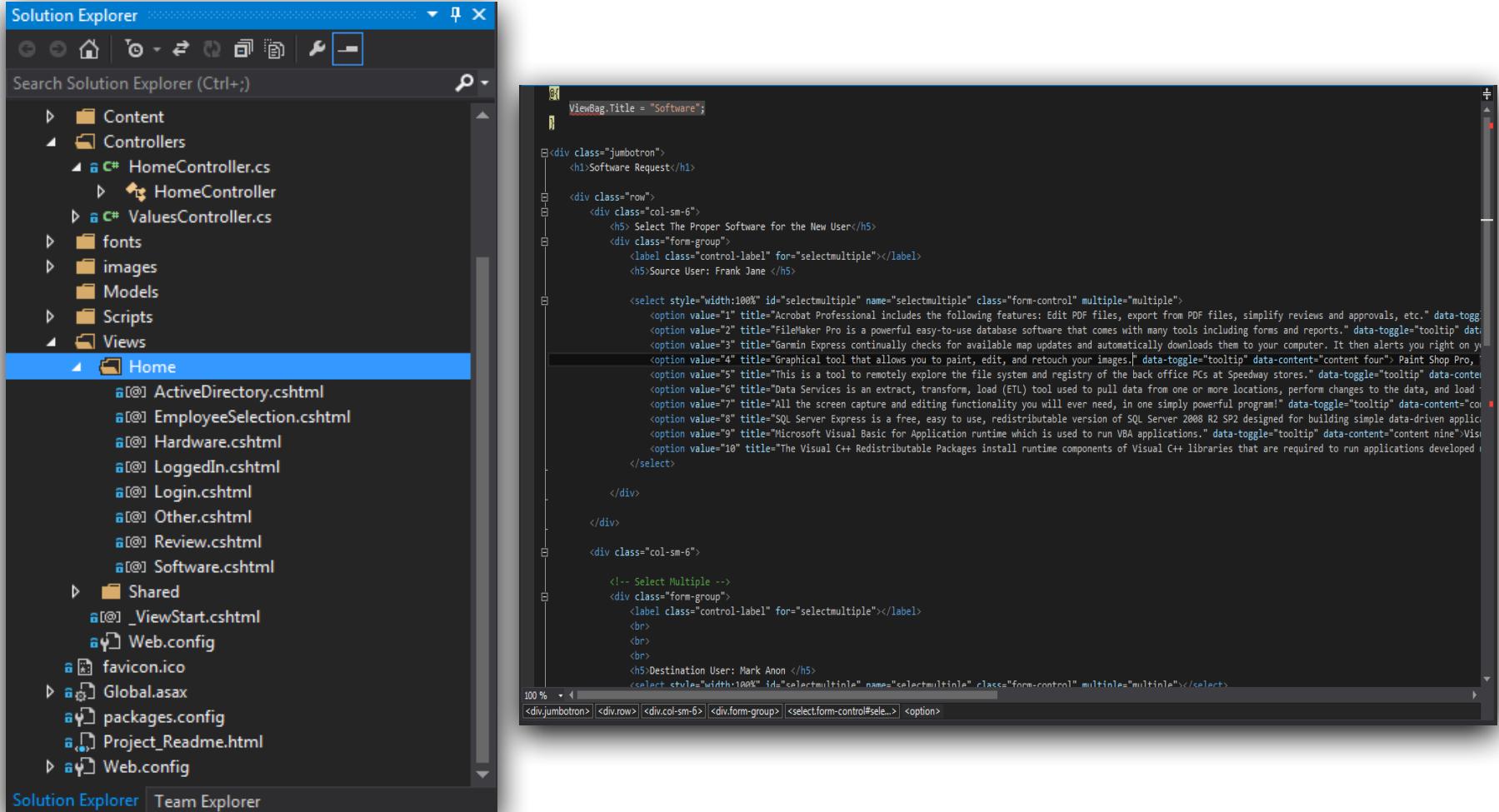
BOBJ Upgrade 4.1 SP3 to 4.1 SP6

Images: Refinery, Tanker, Tugboat, Truck



Hackathon Project

- Created a Web Application that increased the performance of the onboarding process using Visual Studio (C#, .NET, CSS, HTML)



The screenshot shows the Visual Studio interface. On the left is the Solution Explorer window, which lists project files including Content, Controllers (HomeController.cs, ValuesController.cs), fonts, images, Models, Scripts, and Views (Home, Shared). The Home folder is currently selected. The main area is the HTML code editor, displaying the contents of the Software.cshtml file. The code includes a jumbotron section with a title and a row section containing a form group with a label and a select multiple input. The select input has 10 options, each with a tooltip describing a software tool or service.

```

ViewBag.Title = "Software";
}

<div class="jumbotron">
    <h1>Software Request</h1>
</div>

<div class="row">
    <div class="col-sm-6">
        <h5>Select The Proper Software for the New User</h5>
        <div class="form-group">
            <label class="control-label" for="selectmultiple"></label>
            <h5>Source User: Frank Jane </h5>

            <select style="width:100%" id="selectmultiple" name="selectmultiple" class="form-control" multiple="multiple">
                <option value="1" title="Acrobat Professional includes the following features: Edit PDF files, export from PDF files, simplify reviews and approvals, etc." data-toggle="tooltip" data-content="content one"></option>
                <option value="2" title="FileMaker Pro is a powerful easy-to-use database software that comes with many tools including forms and reports." data-toggle="tooltip" data-content="content two"></option>
                <option value="3" title="Garmin Express continually checks for available map updates and automatically downloads them to your computer. It then alerts you right on your computer when new maps are available." data-toggle="tooltip" data-content="content three"></option>
                <option value="4" title="Graphical tool that allows you to paint, edit, and retouch your images." data-toggle="tooltip" data-content="content four"></option>
                <option value="5" title="This is a tool to remotely explore the file system and registry of the back office PCs at Speedway stores." data-toggle="tooltip" data-content="content five"></option>
                <option value="6" title="Data Services is an extract, transform, load (ETL) tool used to pull data from one or more locations, perform changes to the data, and load it into another location." data-toggle="tooltip" data-content="content six"></option>
                <option value="7" title="All the screen capture and editing functionality you will ever need, in one simply powerful program!" data-toggle="tooltip" data-content="content seven"></option>
                <option value="8" title="SQL Server Express is a free, easy to use, redistributable version of SQL Server 2008 R2 SP2 designed for building simple data-driven applications." data-toggle="tooltip" data-content="content eight"></option>
                <option value="9" title="Microsoft Visual Basic for Application runtime which is used to run VBA applications." data-toggle="tooltip" data-content="content nine"></option>
                <option value="10" title="The Visual C++ Redistributable Packages install runtime components of Visual C++ libraries that are required to run applications developed with Microsoft Visual C++." data-toggle="tooltip" data-content="content ten"></option>
            </select>
        </div>
    </div>
</div>

<!-- Select Multiple -->
<div class="form-group">
    <label class="control-label" for="selectmultiple"></label>
    <br>
    <br>
    <br>
    <h5>Destination User: Mark Anon </h5>
    <select style="width:100%" id="selectmultiple" name="selectmultiple" class="form-control" multiple="multiple"></select>
</div>

```

Hackathon Project

MPC Onboarding Portal

Dashboard

Logout

Software Request

Select The Proper Software for the New User

Source User: Justin Bieber

- SAP Data Services, 4.2
- SnagIt, 12.3
- SQL Server 2008 Express, 2008 SP2
- Visual Basic for Applications, 6.0
- Microsoft Word, 2010

[REVIEW »](#)

Destination User: Kristin Van Deusen

- SnagIt, 12.3



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Knowledge Gained During Co-Op Term

■ Business Objects

- Web Intelligence
- Information Design Tool

■ Microsoft SQL Server

■ Remedy

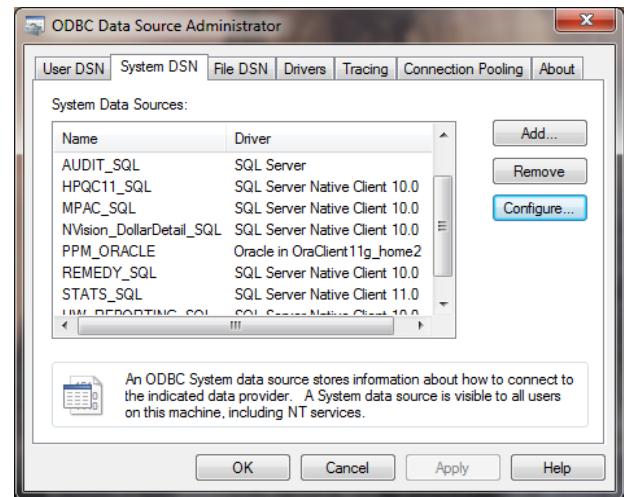
■ PPM/Project Management

■ Microsoft SharePoint

■ ODBC Drivers

■ Project Lifecycle Development

- General Decision Support Package



The Marathon Co-Op Experience

■ Things I Enjoyed about Marathon

- Opportunity to Work in Teams
- Responsible for Tasks Outside Skillset
- Assigned Real Projects
- Opportunities to Get Involved

■ Potential Improvements for Marathon

- Provide Skill Workshops/Training
 - SQL, Visual Studio, Excel, etc.
- Increase Exposure to Other Areas of IT

■ What Universities Can Improve On

- Assign Documentation as Part of Project Development
- Provide Courses about Different Types of IT





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Questions?

