regoUniversity 2018

Dashboards/Metrics | Best Practices

Your Guides: Doug Greer and Atul Kunkolol

Introductions

- Take 5 Minutes

- Turn to a Person Near You

- Introduce Yourself

- Business Cards

Agenda

- Metrics Overview
- Samples
  - Out of the Box
  - CA PowerBI
  - RegoXchange
  - Custom
  - Rego Adoption Package
- Summary
- Appendix: More Dashboards

Introduction

Are you looking for some great examples of dashboards that include metrics/KPIs?

This session will review a host of sample metric dashboards in use today that can spark ideas for you to implement in your company.

What is a Metric?

- A quantitative property of a process or product whose possible values are numbers.

- A measure is a specific value of a metric for a given process or product.

- A unit that is used to collect data in order to report on the state of a particular service

- A quantifiable measure used to track, monitor and assess the progress, success or failure of a business processes.

- Key references:
  - Metrics for Project Management… by Rad & Levin
  - Enterprise Dashboards… by Malik
  - Key Performance Indicators… by Parmenter

Metric Classifications

- Metric Calculations
  - Objective
  - Subjective
- Metric Timing
  - Leading
  - Lagging
- Metric Categories
  - Compliance
  - Governance
- Metric Slicing
  - By Timescale
  - By Organization
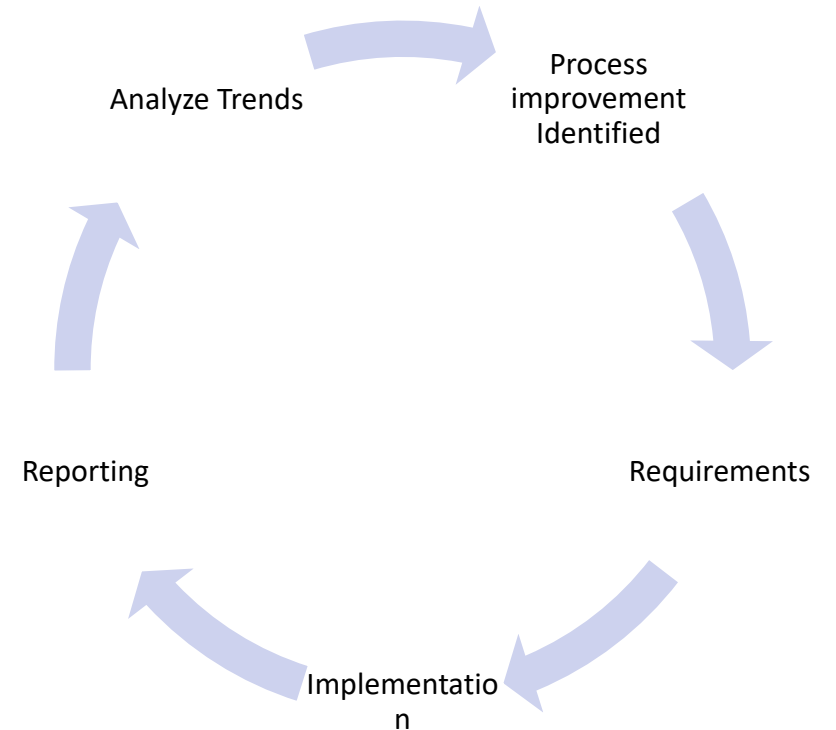- Metric Types
  - Quantitative
  - Qualitative

- Metric Formats
  - Counts
  - Percentages
  - Ratings
  - Trends

Metric	Specific	Measurable	Actionable	Relevant	Timely
Total project hours					
% of projects finishing on schedule					
# of contractor labor resources					
% Timesheets submitted on time in Q1					
Forecasted resource utilization					

Step By Step Guide To Metric Development

1. Know your company goals

2. Create metrics that drive desired behavior and align with goals

3. Test your metric against the SMART system

4. Determine feasibility of gathering data

5. Test your metric

6. Review with key stakeholders

7. Make decision to use or discard

Analyze Trends

Process improvement Identified

Reporting

Requirements

Implementation

Step By Step Guide To Metric Development

- Scope
  - # changes / project duration in days (bad req. or bad PM)
  - Customer satisfaction (survey 1-10)
- Schedule
  - % of open tasks with finish date < one week ago (stale)
  - % projects on-time
  - % of tasks completed on time
  - % of tasks completed within baseline duration
  - % of tasks completed within baseline hours
  - % Milestones on time
  - Actual/Estimate - % to estimate
  - Average task duration or effort (good plans)
  - % tasks assigned 3 months out (how well advanced planning)
  - # of baselines
  - Milestone Burndown
  - Cross Project Dependency Slack
- Budget
  - % projects on-budget
  - % complete vs. % money expended
  - Actual / budgeted ROI
  - Total support costs for x months after solution is completed
  - Amount of project manager time vs. overall effort hours
  - % change in NPV/IRR from gate to gate
  - Benefits realized vs. benefits planned
  - % projects with current financial forecasts

- Overall Project
  - Subjective R/Y/G on projects by the PM (PMs thoughts)
  - Duration between steps, phases, stages, etc
  - # issues / project duration in days
  - How long issues remain open
  - % projects with current status reports
  - Number of defects discovered after initial acceptance / dev hours
  - Counts and amounts for projects in Red/Amber/Green status
  - # issues by severity: opened, closed, on-hold
  - % projects failed gate review
  - % projects that delayed gate review
- Time (Not Project Related)
  - Time not submitted on time
  - Ave hours worked by staff
  - % internal vs. external resources
  - Time to assign WR (response time)
  - Time by % Admin, Projects, Maintenance (Doing the right things)
- Resource Management
  - % of resources with "appropriate" allocations 6-9 months in the future
  - % of resources with "appropriate" assignments 0-3 months in the future
  - Forecasted Utilization % by project manager for next 0-3 months
  - Actual Utilization % by project manager for last 3 months
  - Workloads by resources or manager - # projects they support
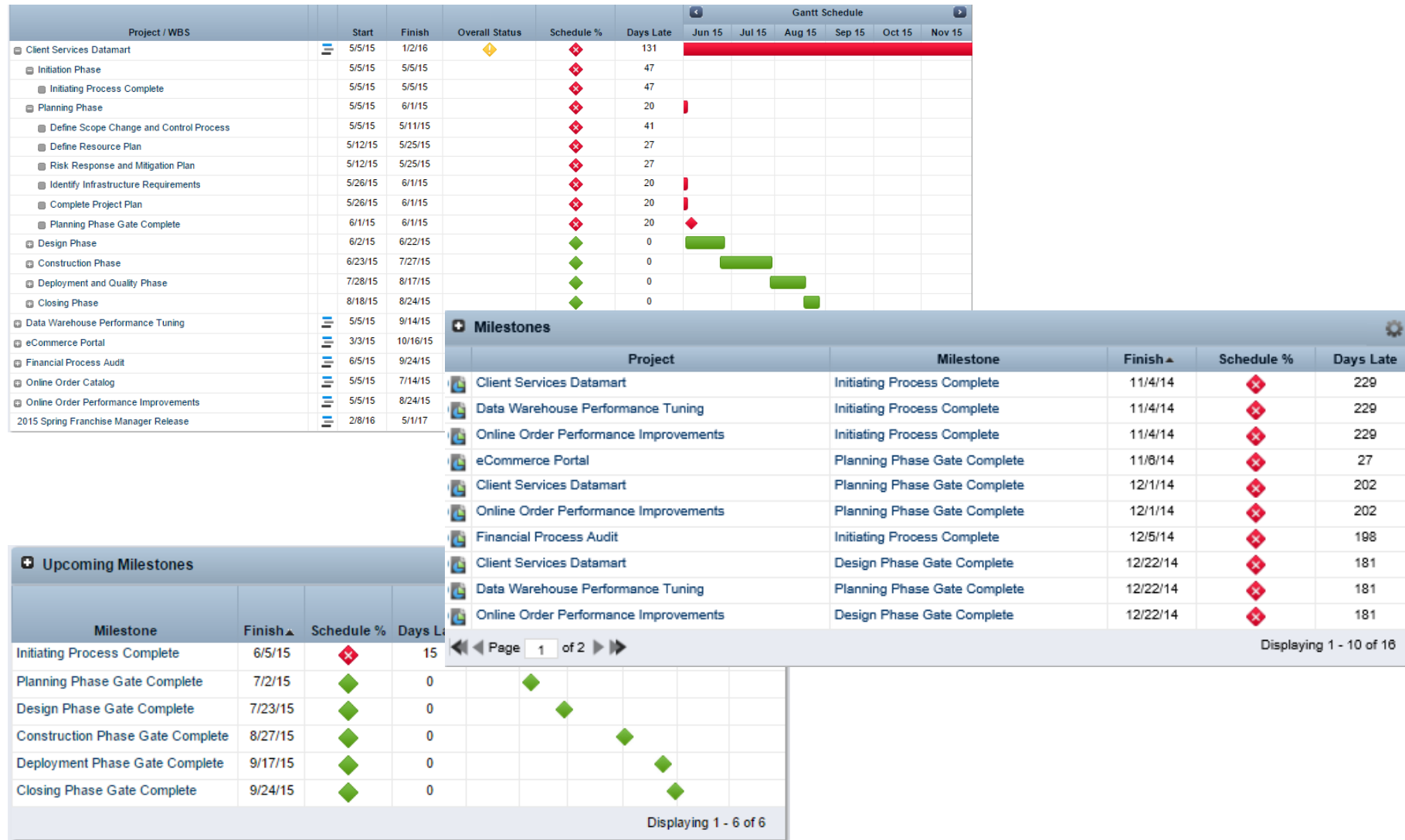
Open Mic

- Show of hands: where are Dashboard/KPI requests coming from?
  - Upper Management?
  - Portfolio Managers?
  - Program/Project Managers?
  - Resource Managers?
  - Finance?
- Show of hands: what tools do you use for Dashboards/Metrics?
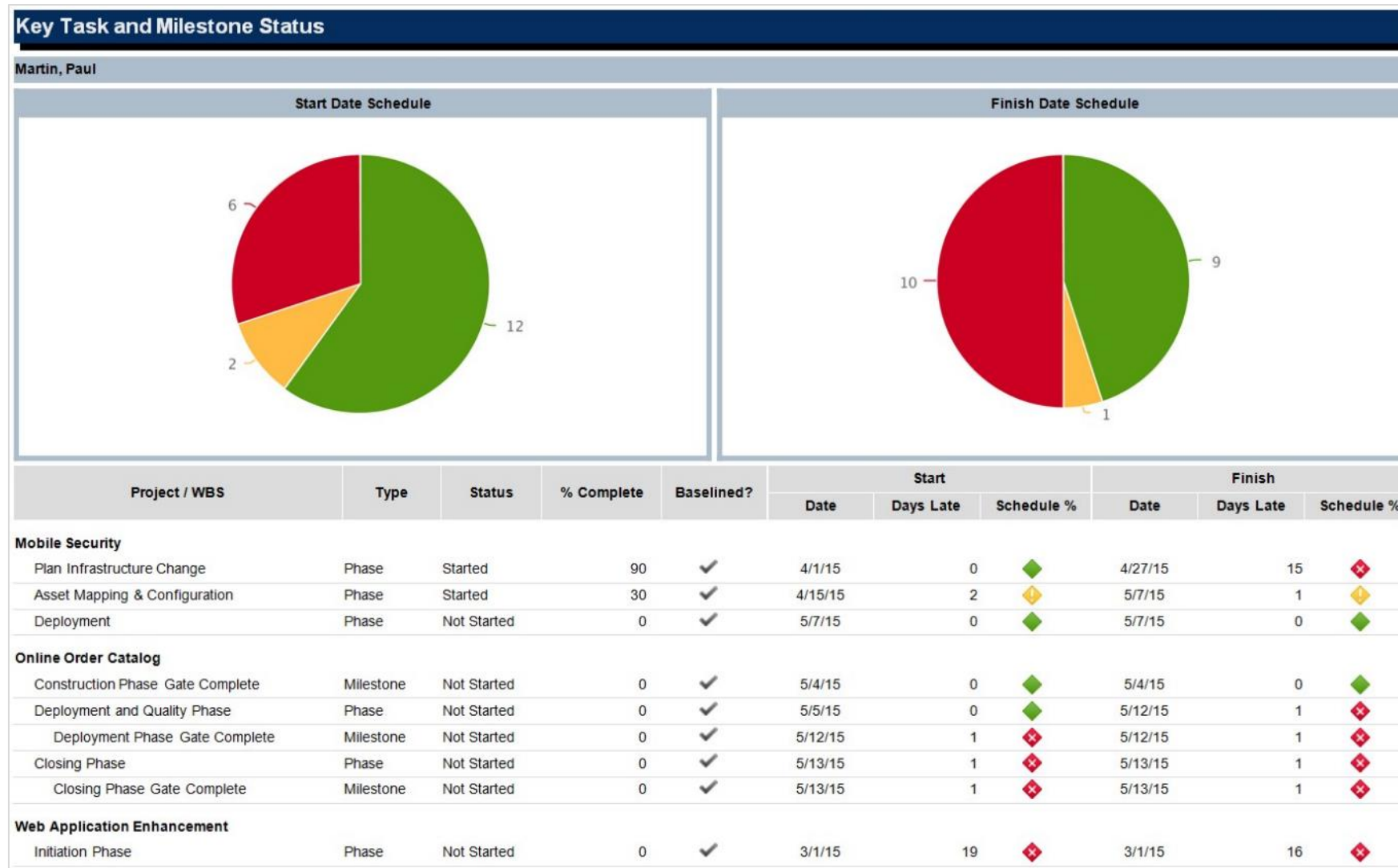 - Portlets?
  - Jaspersoft?
  - Tableau?
  - PowerBI?

OOTB Metric Dashboards

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Let Rego be your guide.

OOTB Metrics – Tasks

Key Task and Milestone Status

Martin, Paul

Start Date Schedule	Finish Date Schedule

Project / WBS	Type	Status	% Complete	Baselined?	Start			Finish		
					Date	Days Late	Schedule %	Date	Days Late	Schedule %
Mobile Security										
Plan Infrastructure Change	Phase	Started	90	✔	4/1/15	0	🟩	4/27/15	15	❌
Asset Mapping & Configuration	Phase	Started	30	✔	4/15/15	2	🔶	5/7/15	1	🔶
Deployment	Phase	Not Started	0	✔	5/7/15	0	🟩	5/7/15	0	🟩
Online Order Catalog										
Construction Phase Gate Complete	Milestone	Not Started	0	✔	5/4/15	0	🟩	5/4/15	0	🟩
Deployment and Quality Phase	Phase	Not Started	0	✔	5/5/15	0	🟩	5/12/15	1	❌
Deployment Phase Gate Complete	Milestone	Not Started	0	✔	5/12/15	1	❌	5/12/15	1	❌
Closing Phase	Phase	Not Started	0	✔	5/13/15	1	❌	5/13/15	1	❌
Closing Phase Gate Complete	Milestone	Not Started	0	✔	5/13/15	1	❌	5/13/15	1	❌
Web Application Enhancement										
Initiation Phase	Phase	Not Started	0	✔	3/1/15	19	❌	3/1/15	16	❌

OOTB Metrics – Project/Program - Variances

OOTB Metrics – Project/Program Health

Top 50 Project Watchlist

#	Project Name	Project Type	Status	Schedule	Alignment	Risk	Issues	CRs	Resource Allocations	Planned Cost
1	XPL Translations	Major Project							25,404	2,474,260.00
2	Meeting Reservation Portal	Major Project							18,816	834,950.00
3	eBusiness Mobile Network	Major Project							15,792	646,260.00
4	Mobile Time and Approvals	Application Change							12,796	179,960.00
5	Mobile Device Management (MDM) Deployment	Major Project							12,576	646,260.00
6	Office Upgrade	Major Project							12,528	646,260.00
7	System Upgrade Release 14	Major Project							12,480	646,260.00
8	Mobile Advertising	Major Project							12,332	264,400.00
9	HR Online Benefits Security Upgrade	Major Project							6,872	584,800.00
10	Online Order Performance Improvements	Infrastructure Deployment							6,728	236,400.00
11	Mobility Management Services	Major Project							6,552	343,020.00

Project Storyboard: eCommerce Portal

Project Manager	Martin, Paul	Status Report Date	2/14/15
Project Type	Major Project	Status	Approved
Stage	Building	Progress	Started

Project Dates

	Start	Finish
Plan	12/1/14	8/13/15
Baseline	12/1/14	8/11/15
Days Late	0	2

Status Report Indicators

Overall	◆	➡
Schedule	◆	⬆
Scope	✖	⬇
Cost and Effort	◆	⬆

Labor Hours

Baseline	2,256.20
Actuals	783.00
Estimate To Complete	1,528.20
Estimate At Completion	2,311.20
EAC to Baseline Variance	55.00
Remaining Allocation	745.20
Allocation to ETC Variance	136.80

Financial Performance

Planned Benefit	600,000.00
Planned Cost	414,200.00
Actual Cost	125,987.00
Estimate At Completion	414,235.00
EAC to Planned Variance	414,235.00
Planned ROI	42.85
Planned Breakeven	8/31/15

Project Objective

Development of a new portal for all Online Client Services.

Key Accomplishments

Key Accomplishments for this week:

- Resource issues resolved
- User acceptance test plan approved
- End-to-end test plan approved
- Pre-briefs for the Monthly Project Review completed by all team members
- Online training solution chosen and team assembled

Status Report Update

Resource issues all resolved and development is proceeding.

There are some scope concerns. The customer steering committee is making some new recommendations at the 11th hour. Some of these recommendations are excellent suggestions and worth reviewing. If we decide to implement some of these additional suggestions, that will alter the scope of this project and will require additional funding and executive support. However, before we make any commitments on delivery dates, we need to get the resource managers involved to check for availability of the key people needed to make this happen in a timely fashion.

Upcoming Activities

The following reviews are scheduled for next week:

- User acceptance test results
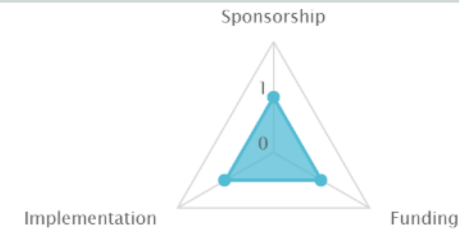- Change Requests
- Monthly Project Review

The Configuration Control Board meeting is scheduled in two weeks.

Issues by Priority

Risks by Priority

Current Issues

More Issues...

Issue	Priority	Status	Target Resolution	Owner
Requirements are unclear	✖	Open	4/25/15	Morris, Tom
System Architecture is non-compliant	✖	Open	5/4/15	Morris, Tom
Accept all possible popular pay methods	◆	Work in Progress	5/18/15	Martin, Paul

Current Risks

More Risks...

Risk	Probability	Impact	Priority	Status	Target Resolution	Owner
Resource Availability	✖	◆	✖	Open	5/9/15	Thompson, Peter
Sponsorship Risk	◆	◆	◆	Open	3/27/15	Granger, Paula

Project Status Report List

Overall Status Summary

Overall Status (Stage)

Project Name	Project Manager	Start	Finish	Work Status	Report Date	Status Reporting	Overall Status	Schedule	Scope	Cost and Effort
Planning										
Data Warehouse Performance Tuning	Martin, Paul	3/1/15	7/13/15	Requested	3/23/15	Required				
eBusiness Mobile Network	Paxton, Robyn	11/3/14	2/4/16	Requested	3/18/15	Required				
Mobile Advertising	Paxton, Robyn	3/1/15	3/16/16	Active	4/1/15	Optional				
Online Order Catalog	Martin, Paul	3/1/15	5/13/15	Active	3/16/15	Optional				
Web Application Enhancement	Martin, Paul	3/1/15	7/13/15	Active	3/25/15	Required				
Building										
Change Mgt for Online Order Entry	McCarthy, John	3/4/15	3/22/15	Requested	3/14/15	Optional				
Compliance Audit - Security	Sutherland, Joy	5/1/15	9/30/15	Requested	5/8/15	Required				
CRM Contact Center Development	Riviera, Alex	12/1/14	4/26/15	Complete	3/21/15	Required				
eCommerce Portal	Martin, Paul	12/1/14	8/13/15	Active	2/14/15	Required				
Financial Workflow Development	Berks, Paul	5/1/15	7/31/15	Requested	5/8/15	Required				
Global HR Application Maintenance	McCarthy, John	2/2/15	3/31/15	Active	3/21/15	Optional				
Office Upgrade	Tanner, Paul	12/15/14	12/14/15	Active	4/21/15	Required				

Project Risk, Issue, and Change Summary

OOTB Metrics – Project/Program – Health

Portlet

OOTB Metrics – Project/Program – Health

Jaspersoft Dashboard

Current Issues Report

Issue	Priority	Status	Target	Owner
Advanced reporting requires newer java	Low	Work in Progress	5/12/17	Thompson, Peter
Enhancements could affect integration points	Low	Work in Progress	6/23/17	Thompson, Peter
Funding concerns	Low	Open	6/9/17	Morris, Tom
Interfaces to other systems	High	Work in Progress	5/31/17	Morris, Tom
Java scripts running on forms are causing performance issues	High	Work in Progress	5/11/17	Thompson, Peter
The email router configuration manager cannot retrieve user information	Medium	Work in Progress	5/19/17	Thompson, Peter
Users must always be assigned to a business unit	Medium	Work in Progress	5/22/17	Thompson, Peter

Current Risks Report

Risk	Probability	Impact	Priority	Status	Target	Owner
Enhancements could affect integration points	Low	Medium	Low	Open	6/18/17	Thompson, Peter
Interfaces to other systems	Medium	High	High	Open	8/14/17	Morris, Tom
New enhancements require additional licenses	High	Medium	Low	Open	6/25/17	Thompson, Peter

Project Status Report

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Project Name	Project Manager	Start	Finish	Work Status	Report Date	Schedule	Scope	Cost and Effort
IT Project Template	Fleming, Nicole	3/7/17	7/6/17	Requested	3/8/18	On Track		
Lean	Fleming, Nicole	3/22/17	4/13/17	Requested	3/24/17	On Track		
Marketing Campaign	Fleming, Nicole	3/21/17	7/7/17	Requested	3/24/17	On Track		
Monthly Newsletter	Fleming, Nicole	3/7/17	3/24/17	Requested	3/10/17	On Track		
Project Kickoff	Fleming, Nicole	3/7/17	8/22/17	Requested	3/10/17	On Track		
Project Template - no tasks	Fleming, Nicole	3/7/17	3/8/17	Requested	3/10/17	On Track		
Trade Show	Fleming, Nicole	3/7/17	9/20/17	Requested	3/10/17	On Track		
TV Project Kick-off	Fleming, Nicole	8/25/17	12/28/17	Requested	12/13/17			
SAP Implementation	Administrator, System	5/22/17	9/5/17	Requested	11/24/16	On Track		
B2B Enhancements	Robertson, Theresa	3/1/17	12/31/18	Requested	3/24/17	On Track	On Track	On Track
Industry Trade Show	Fleming, Nicole	3/20/17	2/28/18	Requested	3/24/17	On Track	On Track	Needs Help

Key Accomplishments

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Project	Key Accomplishments
2016 Winter Franchise Manager Release	
4G Upgrade Readiness	
5 Stage NPD - Methodology Template	
5555	
A Finance Process Change	
A Finance Process Change	
A Finance Process Change	Define phase is complete. Identified critical need of documentation and updated plan. Have engaged SME base of people wanting and motivated to change practices for improved processes
A Finance Process Change	Define phase is complete. Identified critical need of documentation and updated plan. Have engaged SME base of people wanting and motivated to change practices for improved processes
AC Core Digital Rollout	
AC SAFe Implementation	
API Technical Debt	
Agile Initiative Template	
Agile Time Tracking Template	

Budget	Actuals	Forecast	Variance
$11,031,760	$758,250	$49,650,875	$(38,619,115)

Projects Completed	Projects Started	Contractors (FTEs)	Employees (FTEs)
6	91	16	229

☑ Populate Project Manager?

Project Manager

Available: 31		Selected: 31
✕ Administrator, System	admin		
✕ Alvarez, Corine	corineAlvarez		
✕ Angelo, Michael	michaelAngelo		
✕ Beck, Jackson	JacksonBeck		
✕ Berg, Kathryn	kathrynBerg		
✕ Berks, Paul	paulBerks		
✕ Brooks, Emma	emmaBrooks		
✕ Core, Elizabeth	elizabethCore		
✕ Craig, Allen	allenCraig		

Apply

Top 10 Projects

#	Project Name	Project Type	Status	Schedule	Alignment	Risk	Issues	CRs	Resource Allocations	Planned Cost
1	XPL Translations	Major Project	◇	🟢	🟡	◇	🟢	🟢	48,880	71,600.00
2	Critical Care Vent - home version	Major Project	◇	🟢	🟢	🟡	🟢	🟢	48,828	0.00
3	Web Based Trading	Major Project	◇	🟢	🟡	🟢	🟢	🟢	39,120	0.00
4	Personalized online shopping experience	Application Change	🟢	🔴	🟡	🟢	🟢	🟢	33,790	400,000.00
5	Web Application Enhancement	Major Project	🟢	🔴	🟡	🔴	🟡	🔴	26,281	244,000.00
6	Minimal Online Shopping Site	Major Project	🟡	🔴	🟡	🟢	🟢	🟢	23,386	400,000.00
7	Portfolio Initiative	Major Project	🟢	🔴	🟡	🟡	🟢	🟢	19,190	192,720.00
8	Collaboration Initiative	Major Project	🟢	🔴	🟡	🟡	🟢	🟢	17,558	192,720.00
9	Maintain legacy purchasing system	Major Project	🟢	🔴	🟡	🟢	🟢	🟢	16,605	600,000.00
10	Modernize customer service portal	Major Project	🟢	🔴	🟡	◇	🟢	🟢	15,670	750,000.00

OOTB Metrics – Project/Program – Health

Portlet

Financial Budget vs. Forecast by Period

Cost Type / Transaction Class	Total	2015-01	2015-02	2015-03	2015-04	2015-05	2015-06	2015-07	2015-08	2015-09	2015-10	2015-11	2015-12
Capital													
External Labor													
Budget	1,215,139	3,644	20,800	19,245	17,990	21,340	13,200	20,800	40,000	151,960	194,320	296,520	415,320
Forecast	1,190,339	3,644	20,800	19,245	17,990	21,340	1,200	15,300	32,700	151,960	194,320	296,520	415,320
Variance	24,800	0	0	0	0	0	12,000	5,500	7,300	0	0	0	0
Internal Labor													
Budget	2,932,000	201,099	188,302	168,260	172,448	197,771	157,200	105,920	154,000	444,680	297,800	467,080	377,440
Forecast	2,933,787	201,099	188,302	199,260	196,435	197,771	155,200	82,300	126,420	444,680	297,800	467,080	377,440
Variance	-1,787	0	0	-31,000	-23,987	0	2,000	23,620	27,580	0	0	0	0
Budget	4,147,139	204,743	209,102	187,505	190,438	219,111	170,400	126,720	194,000	596,640	492,120	763,600	792,760
Forecast	4,124,126	204,743	209,102	218,505	214,425	219,111	156,400	97,600	159,120	596,640	492,120	763,600	792,760
Variance	23,013	0	0	-31,000	-23,987	0	14,000	29,120	34,880	0	0	0	0
Operating													
External Labor													
Budget	326,280	1,940	9,022	8,753	6,465	11,180	2,400	12,800	0	13,600	65,600	112,600	81,920
Forecast	351,096	1,940	9,022	8,753	6,465	11,180	14,400	19,216	6,400	13,600	65,600	112,600	81,920
Variance	-24,816	0	0	0	0	0	-12,000	-6,416	-6,400	0	0	0	0
Internal Labor													
Budget	2,743,611	156,720	110,833	98,431	106,500	77,927	31,200	134,400	94,480	471,660	586,220	482,480	392,760
Forecast	2,646,302	156,720	110,833	98,431	106,500	77,927	62,400	75,291	25,080	471,660	586,220	482,480	392,760
Variance	97,309	0	0	0	0	0	-31,200	59,109	69,400	0	0	0	0
Budget	2,482,120	158,660	119,855	107,184	112,965	89,107	33,600	147,200	94,480	485,260	651,820	595,080	474,680
Forecast	2,409,627	158,660	119,855	107,184	112,965	89,107	76,800	94,507	31,480	485,260	651,820	595,080	474,680
Variance	72,493	0	0	0	0	0	-43,200	52,693	63,000	0	0	0	0
Grand Total													
Budget	7,217,030	363,403	328,957	294,689	303,403	308,218	204,000	273,920	288,480	1,081,900	1,143,940	1,358,680	1,267,440
Forecast	7,121,524	363,403	328,957	325,689	327,390	308,218	233,200	192,107	190,600	1,081,900	1,143,940	1,358,680	1,267,440
Variance	95,506	0	0	-31,000	-23,987	0	-29,200	81,813	97,880	0	0	0	0

OOTB Metrics – Financial

Select OBS By [OBS Type ▼]   OBS Unit [ ] ⊗ 🔍   (or) OBS Type [Corporate Department OBS ▼]   [Filter]   [More ▼]

OBS Project Cost Analysis - Planned Cost ⚙

Legend:
- Business Transformation
- Enterprise
- IT
- Product Development
- Product Management
- Sales & Marketing

OBS Project Summary ⚙

OBS / Project ▲	Capital Cost	Operating Cost	Total Cost	Actual Cost	Business Alignment	Risk
Business Transformation	935,000	4,819,656	5,754,656	0	◇	⬥
Enterprise	450,000	2,660,096	3,110,096	0	⬥	⬥
IT	12,030,100	15,728,115	27,758,215	447,573	⬥	⬥
Product Development	1,047,200	1,937,600	2,984,800	0	⬥	⬥
Product Management	713,440	1,366,600	2,080,040	114,480	⬥	⬥
Sales & Marketing	61,000	5,358,028	5,419,028	196,197	◇	⬥

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OBS Investment Type by Count ⚙

Legend:
- Application
- Asset
- Other
- Product
- Program
- Project
- Service

OBS Investment Capital Cost by Type ⚙

Legend:
- Application
- Asset
- Other
- Product
- Program
- Project
- Service

OOTB Metrics – Financial

OOTB Metrics – Financial

Labor Effort

Total Effort	7,748.30
Actuals	0.00
Estimate to Complete	7,748.30
Baseline	7,748.30
Baseline Variance	0.00
Remaining Allocation	7,739.98
Allocation Variance	-8.32

Work Effort = Hours

Project Baselines

Original Baseline
Revised Baseline
Current Plan

Late Tasks and Milestones

Task	Task ID	Finish	Status	Schedule %	Days Late
Initiating Process Complete	LM.000.100	3/2/15	Not Started	❌	35
Define Scope Change and Control Process	LM.001.010	3/6/15	Not Started	❌	35
Risk Response and Mitigation Plan	LM.001.030	3/20/15	Started	❌	35
Planning Phase Gate Complete	LM.001.100	3/23/15	Not Started	❌	35
Requirements Definition	LM.002.010	3/27/15	Not Started	❌	35
Functional and Technical Design	LM.002.020	4/10/15	Started	❌	35
Design Phase Gate Complete	LM.002.100	4/13/15	Not Started	❌	35
Database Development	LM.003.010	4/24/15	Started	❌	35
User Interface Development	LM.003.020	5/1/15	Not Started	❌	35
Unit and Performance Testing	LM.003.030	5/22/15	Started	❌	35
Construction Phase Gate Complete	LM.003.100	5/25/15	Not Started	❌	35
Functional and System Testing	LM.004.010	6/12/15	Not Started	❌	35
Usability and User Acceptance Testing	LM.004.020	7/28/15	Not Started	❌	60
Deployment Phase Gate Complete	LM.004.100	7/29/15	Not Started	❌	58
Lessons Learned	LM.005.010	8/4/15	Not Started	❌	60
Closing Phase Gate Complete	LM.005.020	8/4/15	Not Started	❌	60

Gantt Schedule

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OOTB Metrics – Resource

OOTB Metrics – Resource

Capacity vs. Booking Status by Resource OBS

Capacity vs. Booking Status by Month

Demand by Booking Status

Demand by Employment Type

OOTB Metrics – Resource

Capacity vs. Demand by Role

Role		Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total
		Allocation by Month (Hours)												
Architect	Capacity	1,408.00	1,280.00	1,408.00	1,408.00	1,344.00	1,408.00	1,472.00	1,344.00	1,408.00	1,408.00	1,344.00	1,472.00	16,704.00
	Demand	910.80	871.42	1,667.75	1,290.20	951.40	1,200.80	1,472.00	867.30	934.72	940.81	788.41	733.20	12,628.80
	Remaining Capacity	497.20	408.58	-259.75	117.80	392.60	207.20	0.00	476.70	473.28	467.19	555.59	738.80	4,075.20
Business Analyst	Capacity	1,584.00	1,440.00	1,584.00	1,584.00	1,512.00	1,584.00	1,656.00	1,512.00	1,584.00	1,584.00	1,512.00	1,656.00	18,792.00
	Demand	738.80	688.00	1,603.24	1,341.80	1,593.40	1,734.80	1,241.20	926.10	904.11	912.81	703.40	1,641.20	14,028.85
	Remaining Capacity	845.20	752.00	-19.24	242.20	-81.40	-150.80	414.80	585.90	679.89	671.19	808.60	14.80	4,763.15
DBA	Capacity	528.00	480.00	528.00	528.00	504.00	528.00	552.00	504.00	528.00	528.00	504.00	552.00	6,264.00
	Demand	526.40	480.00	528.00	528.00	504.00	528.00	552.00	504.00	528.00	528.00	504.00	27.60	5,738.00
	Remaining Capacity	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	524.40	526.00
Developer	Capacity	1,936.00	1,760.00	1,936.00	1,936.00	1,848.00	1,936.00	2,024.00	1,848.00	1,936.00	1,936.00	1,848.00	2,024.00	22,968.00
	Demand	1,631.20	1,588.96	1,497.64	2,705.20	2,251.61	1,705.19	1,649.80	894.60	902.76	858.19	1,822.60	714.80	18,222.55
	Remaining Capacity	304.80	171.04	438.36	-769.20	-403.61	230.81	374.20	953.40	1,033.24	1,077.81	25.40	1,309.20	4,745.45
Network Engineer	Capacity	1,232.00	1,120.00	1,232.00	1,232.00	1,176.00	1,232.00	1,288.00	1,176.00	1,232.00	1,232.00	1,176.00	1,288.00	14,616.00
	Demand	377.61	335.04	435.86	344.69	938.80	830.60	713.39	494.90	499.60	375.60	208.81	1,202.40	6,757.31
	Remaining Capacity	854.39	784.96	796.14	887.31	237.20	401.40	574.61	681.10	732.40	856.40	967.19	85.60	7,858.69
Project Manager	Capacity	2,288.00	2,080.00	2,288.00	2,288.00	2,184.00	2,288.00	2,392.00	2,184.00	2,288.00	2,288.00	2,184.00	2,392.00	27,144.00
	Demand	1,560.03	1,567.04	2,520.10	2,200.73	2,226.01	3,806.99	3,914.00	2,979.20	3,064.00	3,008.01	1,944.03	1,736.00	30,526.14
	Remaining Capacity	727.97	512.96	-232.10	87.27	-42.01	-1,518.99	-1,522.00	-795.20	-776.00	-720.01	239.97	656.00	-3,382.14
Test Engineer	Capacity	1,760.00	1,600.00	1,760.00	1,760.00	1,680.00	1,760.00	1,840.00	1,680.00	1,760.00	1,760.00	1,680.00	1,840.00	20,880.00
	Demand	1,086.01	1,057.62	1,326.44	1,777.91	1,898.00	1,488.00	1,418.01	980.00	943.05	1,007.00	747.00	1,678.00	15,407.03
	Remaining Capacity	673.99	542.38	433.56	-17.91	-218.00	272.00	421.99	700.00	816.95	753.00	933.00	162.00	5,472.97
Grand Total	Capacity	10,736.00	9,760.00	10,736.00	10,736.00	10,248.00	10,736.00	11,224.00	10,248.00	10,736.00	10,736.00	10,248.00	11,224.00	127,368.00
	Demand	6,830.83	6,588.08	9,579.03	10,188.53	10,363.22	11,294.38	10,960.40	7,646.10	7,776.24	7,630.42	6,718.25	7,733.20	103,308.68
	Remaining Capacity	3,905.17	3,171.92	1,156.97	547.47	-115.22	-558.38	263.60	2,601.90	2,959.76	3,105.58	3,529.75	3,490.80	24,059.32

Over/Under Allocation by Resource

Resource	Primary Role	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Total
							Remaining Capacity by Month (Hours)							
Amos, Cheryl	Developer	0.00	0.00	0.00	0.00	8.00	46.00	64.00	80.00	0.00	0.00	0.00	0.00	198.00
Bauer, Joyce	Network Engineer	0.00	0.00	0.00	20.00	8.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	148.00
Berks, Paul	Project Manager	16.00	0.00	0.00	-45.31	-13.99	-28.00	0.00	0.00	0.00	0.00	0.00	0.00	-71.30
Berry, Jason	Developer	0.00	0.00	0.00	-44.00	-68.00	-100.00	-40.00	-168.00	-76.00	-16.00	0.00	0.00	-512.00
Bhatt, Rakesh	Storage Architect	0.00	0.00	160.00	52.00	48.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	260.10
Childers, Valerie	Architect	0.00	0.00	0.00	-113.60	-56.80	-17.60	0.00	0.00	0.00	158.40	151.20	115.60	237.20
Evans, Nick	Business Analyst	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-40.00	0.00	0.00	0.00	0.00	-40.00
Gaurand, Alicia	Test Engineer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140.00	125.00	27.00	28.00	16.00	336.00
Granger, Paula	Project Manager	0.00	0.00	0.00	136.00	168.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	304.70
Lewis, Dana	Business Analyst	0.00	0.00	0.00	0.00	0.00	-16.00	-18.00	-78.10	-176.00	-176.00	-168.00	-80.00	-712.10
Lewis, Paul	Project Manager	-8.00	-12.00	0.00	0.00	13.99	-21.00	-55.99	-2.10	22.00	8.00	113.99	104.00	162.89
Martin, Paul	Project Manager	0.00	0.00	12.00	0.00	-168.00	-144.00	-196.00	-130.00	-176.00	0.00	0.00	0.00	-802.00
Moreau, Erin	Test Engineer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-17.00	-16.00	-80.60	-113.60
Morris, Tom	Architect	0.00	0.00	-4.00	120.00	32.00	80.00	-102.00	-32.00	0.00	0.00	0.00	0.00	94.00
Parker, Ashley	Business Analyst	0.00	0.00	-54.00	-100.00	-84.00	-56.00	-32.00	0.00	0.00	0.00	0.00	0.00	-326.00
Patel, Sanjay	Developer	0.00	0.00	0.00	-76.00	-72.00	48.00	0.00	-22.00	0.00	0.00	0.00	0.00	-122.00
Perez, Carlos	Project Manager	0.00	0.00	0.00	0.00	0.00	0.00	-84.00	-168.00	-176.00	-100.88	-168.00	-80.00	-776.88
Quinn, Randy	Network Engineer	0.00	0.00	0.00	108.91	72.40	27.00	65.01	2.10	22.00	0.00	43.99	0.00	341.41
Reed, Henry	Project Manager	-4.00	-8.00	0.00	-140.00	-160.00	-120.00	-104.00	0.00	0.00	0.00	68.00	84.00	-384.00
Reilly, Jason	Test Engineer	0.00	0.00	0.00	0.00	-152.00	-66.10	-18.00	0.00	0.00	0.00	0.00	0.00	-236.10
Riviera, Alex	Project Manager	0.00	0.00	0.00	0.00	-16.00	-34.00	-26.00	-168.00	-176.00	--17.60	-168.00	-84.00	-689.60
Sampson, Mike	Test Engineer	0.00	0.00	0.00	36.00	-36.00	-88.00	-8.00	28.00	24.00	176.00	8.00	18.00	158.00
Stewart, Diane	Storage Architect	17.60	-15.00	0.00	-10.60	-32.80	62.40	21.60	11.20	158.40	-158.40	-51.20	-65.60	-62.40
Stoneburg, Sam	Network Engineer	0.00	0.00	0.00	130.00	144.00	28.00	120.00	36.00	24.00	176.00	168.00	184.00	1,010.00
Thompson, Peter	Project Manager	-8.00	0.00	0.00	-25.31	-13.99	-11.00	-57.00	0.00	0.00	0.00	-34.99	16.00	-134.29
Turner, Bruce	Test Engineer	0.00	0.00	0.00	76.00	-52.00	-178.00	28.70	26.00	117.00	16.00	0.00	0.00	33.70
Walker, Terry	Test Engineer	12.00	24.00	0.00	0.00	-8.00	-12.00	-38.00	-40.00	-44.00	-77.00	-68.00	-84.00	-335.00
Grand Total		**25.60**	**-11.00**	**114.00**	**124.09**	**-438.39**	**-480.30**	**-479.68**	**-524.90**	**-331.60**	**-1.48**	**-93.01**	**63.40**	**-2,033.27**

OOTB Metrics – Resource

OOTB Metrics – Portfolio

"Show me the health of my portfolios."

Note
- The Portfolio Health indicators are subjective measures that the Portfolio Manager selects on the Portfolio Metrics sub-page.
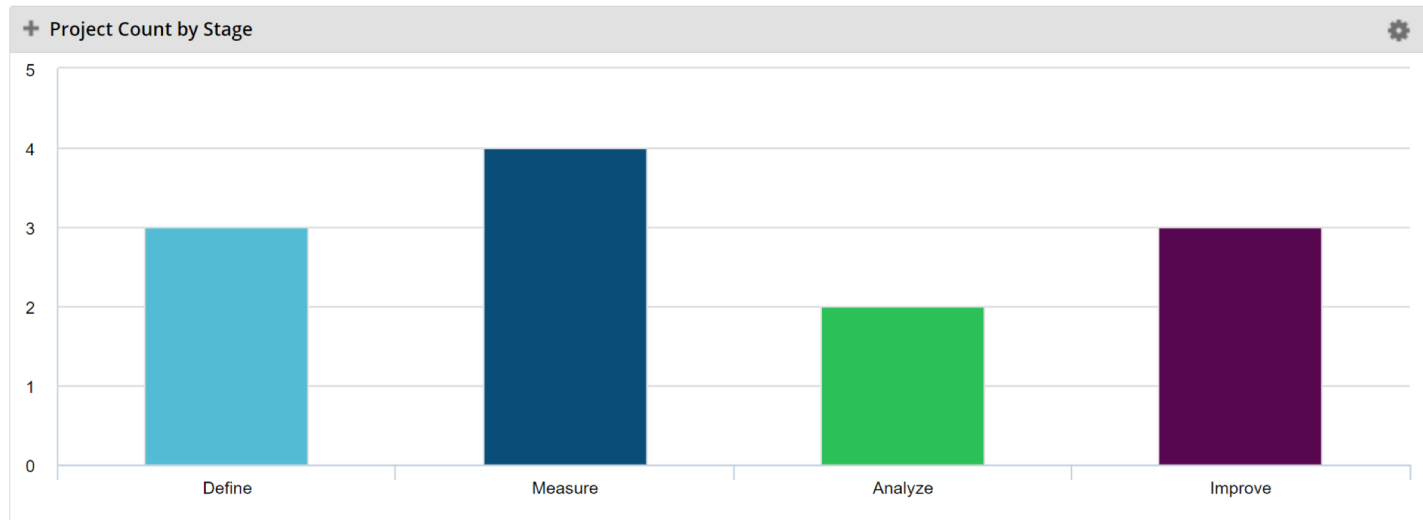- While useful, these metrics are not automatically calculated.

OOTB Metrics – Portfolio

Portfolio Dashboard: Cost and Health

BU | Manager Thompson, Peter | Stakeholder Granger, Paula | Above Waterline Yes | Filter | More

Portfolio Cost by Overall Health

Investment▲	Budgeted Cost	Budgeted Capital Cost	Budgeted Operating Cost	Actual Cost	Actual Capital Cost	Actual Operating Cost	Forecast Cost	Forecast Capital Cost	Forecast Operating Cost	Budget to Forecast Cost Variance	Budget to Forecast Capital Cost Variance	Budget to Forecast Operating Cost Variance
BI Analytics	0	0	0	0	0	0	185,160	93,600	91,560	(185,160)	(93,600)	(91,560)
Client Services Datamart	243,800	92,400	151,400	0	0	0	101,848	77,920	23,928	141,952	14,480	127,472
CRM Enhancements	367,600	231,600	136,000	173,060	70,660	102,400	201,428	91,028	110,400	166,172	140,572	25,600
eCommerce Portal	384,200	122,600	261,600	86,600	0	86,600	283,541	152,600	130,941	100,659	(30,000)	130,659
Online Order Performance Improvements	244,400	98,000	146,400	0	0	0	127,160	100,832	26,328	117,240	(2,832)	120,072
Total	1,240,000	544,600	695,400	259,660	70,660	189,000	899,137	515,980	383,157	340,863	28,620	312,243

Displaying 1 - 5 of 5

Save

OOTB Metrics – Portfolio

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Portfolio

"Based on the labor supply and demand tracked in the portfolio, show me whether or not resource shortages exist."

Let Rego be your guide.

OOTB Metrics – Portfolio

Project Portfolio Summary

% of Budget by Project Type
- Application Change
- Infrastructure Deployment
- Major Project

17.2 %
27.1 %
55.8 %

% of Budget by Work Status
- Active
- Complete
- Requested

45.5 %
18.0 %
36.5 %

Budgeted and Planned Cost by Goal
- Budgeted Cost
- Planned Cost

Cost Reduction / Grow the Business / Maintain the Business

OOTB Metrics – Portfolio

Project Cycle Time Analysis
[Filter: Major Project ▼]

HR Online Benefits Security Upgrade - 40

Legend:
- Client Services Datamart
- HR Claims Processing Enhancement
- Automated Security Enhancements
- Financial Process Audit
- Change Mgt for Internal Portal
- HR Online Benefits Security Upgrade

Phases: Planning Phase, Design Phase, Construction Phase, Deployment and Quality Phase, Closing Phase

Duration (Days): 0, 10, 20, 30, 40, 50

= Required

Pending Estimates Review

Project ▲	Task	Resource	Start	Finish	Pending ETC	Plan ETC	Pending Actuals	Adjusted Plan ETC	Recommended Change in ETC	Increase/Decrease in ETC
CRM Contact Center Development	Functional and Technical Design	Walker, Terry	1/24/17	2/6/17	5.00	0.00	40.00	(40.00)	45.00	◆
eCommerce Portal	Complete Project Plan	Goldman, Mark	3/31/17	4/18/17	30.00	80.00	40.00	40.00	(10.00)	◆
Total					35.00	80.00	80.00	0.00	35.00	

Displaying 1 - 2 of 2

Missing Status Reports
[Filter: Shared Services ▼]

Project ▲	Manager	Status Reporting	Project Type	Work Status
HR Claims Processing Enhancement	Sutherland, Joy	Required	Application Change	Active
Meeting Reservation Portal	Tanner, Paul	Optional	Major Project	Active
Office Upgrade	Tanner, Paul	Required	Major Project	Active

Displaying 1 - 3 of 3

= Required

Process Bottlenecks
[Filter: Issue Review and Escalation ▼]

Process	Instance	Flow Diagram	Initiated By	Verifiy & Determine Root Cause — Duration and Reviewers	PMO Issue Escalation — Duration and Reviewers	Resubmit Issue — Duration and Reviewers	Business Owner Signoff — Duration and Reviewers
Issue Review and Escalation	Requirements are unclear	⚙	Morris, Tom	1 day, 2 hours, 45 minutes (Paul Martin)	21 hours, 11 minutes (Pam Olney)	2 hours, 8 minutes (Tom Morris)	18 days, 5 hours, 45 minutes (Randy Quinn)
Issue Review and Escalation	Funding is being reduced	⚙	Berry, Jason	2 hours, 11 minutes (Joy Sutherland)	3 hours, 27 minutes (Pam Olney)		5 hours, 33 minutes (Beth Roberts)
Issue Review and Escalation	Database Performance is slow	⚙	Berry, Jason	3 hours, 41 minutes (John McCarthy)	7 hours, 21 minutes (Pam Olney)		4 hours, 3 minutes (Beth Roberts)
Issue Review and Escalation	Resource conflicts	⚙	Thompson, Peter	3 hours, 35 minutes (Paula Granger)	6 hours, 26 minutes (Pam Olney)		2 hours, 16 minutes (Beth Roberts)

OOTB Metrics – Portfolio

OOTB Metrics – Portfolio

OOTB Metrics – Portfolio

OOTB Metrics – Portfolio

At Risk Projects

Project / WBS		Start	Finish	Overall Status	Schedule %	Days Late	Gantt Schedule					
							May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16
+ Maintain legacy purchasing system		5/21/16	9/22/17	◆	✖	77						
+ Modernize customer service portal		6/4/16	7/21/17	◆	✖	112						
+ Personalized online shopping experience		6/4/16	12/20/17	◆	✖	264						
+ Web Application Enhancement		3/26/17	12/31/18	◆	✖	522						

Planned Savings

Project Manager ▲	Count	Critical	At Risk	On Track	Total
Alvarez, Corine	3	2,100,000		2,350,000	4,450,000
Angelo, Michael	6	0	0	0	0
Beck, Jackson	1			4,500,000	4,500,000
Berg, Kathryn	2		350,000	70,000	420,000
Berks, Paul	6			3,125,000	3,125,000
Brooks, Emma	1			1,200,000	1,200,000
Core, Elizabeth	2			1,950,000	1,950,000
Craig, Allen	2			0	0
Delgado, Mauricio	3		5,900,000	3,200,000	9,100,000
Fleming, Nicole	2			600,000	1,550,000
Flynn, Sam	8				6,360,000
Granger, Paula	1			1,120,000	1,120,000
Lewis, Dana	2			710,000	1,660,000
Madden, Paul	12	680,000		6,589,000	7,269,000
Martin, Paul	7		1,400,000	2,675,000	4,075,000
McCarthy, John	6	450,000	40,000	1,705,000	2,195,000
Miles, Paul	10		0	0	15,250,000
Nunez, Angie	1			0	0
Paxton, Robyn	5		300,000	2,450,000	2,750,000
Reed, Henry	5		1,050,000	3,412,000	4,762,000
Total	112	3,230,000	38,178,000	93,931,000	243,149,000

Project Count by Stage

OOTB Metrics – Portfolio

OOTB Metrics – Portfolio

OOTB Metrics – Compliance

PowerBI Metric Dashboards

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Let Rego be your guide.

CA Provided PowerBI Dashboards

- CA has not produced any dashboards that can be used by customers either OOTB or through content packs

- CA has provided the ability to connect powerBI to the DWH for the purpose of creating dashboards

- Rego has produced a few PowerBI dashboards that are fully supported OnDemand or onPremise. They are part of the RegoXchange

PowerBI – Resource Mgr Dash

PowerBI – Project Mgr Dash

PowerBI – Dash

RegoXchange

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Let Rego be your guide.

Executive Dashboard: Executive Dashboard

regoXchange – Exec Dashboard

Executive Dashboard

Project OBS: Department:Development   Project Manager ID:

Filter | Show All | Save Filter | Clear

Name	ID	Overall Status	Schedule Status	Scope Status	Cost/Eft Status	Late AI	Late Issues	Late Risks	Late Tasks	Late Milestones	Sched Var	Effort Var	Hrs Past Base	Days Over Base
Computer System Analysis	PRJ9019	✖	◆	⚠	✖	2	2	2	5	1	0	0	0	0
Consumer Reviews	PRJ909	◇	◇	◇	◇	0	2	2	3	0	0	(64)	(656)	0
Fitness Porgram	prj04	◇	◇	◇	◇	1	0	0	3	1	0	(191)	(1,056)	0
Test Deletion Process	PRTestDeletionProces	◇	◇	◇	◇	0	0	0	0	0	◆	◆	◆	0
Dave Test	dtest	◇	◆	◆	◇	0	0	0	3	1	19	44	0	0

Displaying 1 – 5 of 5

regoXchange – Enterprise Health

regoXchange – Time By Type

regoXchange – Resource Management

Rego Xchange – Resource Utilization

OBS Utilization Percentage

OBS Type: Organization OBS

Start Date: 2/1/2015

Finish Date: 5/31/2015

Resource Open for Time? All

[Filter] [Save Filter] [Clear]

OBS Unit	02/01/2015			03/01/2015			04/01/2015			05/01/2015		
	Actuals	Availability	Utilization Percentage	Actuals	Availability	Utilization Percentage	Actuals	Availability	Utilization Percentage	Actuals	Availability	Utilization Percentage
Organization	292	3,164	9%	0	3,406	0%	0	3,192	0%	0	3,024	0%
Business	114	1,892	6%	0	1,998	0%	0	1,912	0%	0	1,848	0%
Finance	82	612	13%	0	598	0%	0	528	0%	0	504	0%
HR	0	320	0%	0	352	0%	0	352	0%	0	336	0%
Payroll	0	160	0%	0	176	0%	0	176	0%	0	168	0%
Sales	32	320	10%	0	344	0%	0	328	0%	0	336	0%
IT	138	632	22%	0	704	0%	0	576	0%	0	504	0%
Business Intelligence	0	160	0%	0	176	0%	0	176	0%	0	168	0%
Clarity Group	48	312	15%	0	352	0%	0	224	0%	0	168	0%
Development	96	320	30%	0	352	0%	0	352	0%	0	336	0%
HelpDesk	0	160	0%	0	176	0%	0	176	0%	0	168	0%
Project Management	0	780	0%	0	858	0%	0	858	0%	0	819	0%

= Required

Custom Dashboards

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Let Rego be your guide.

Resource Management

Resource OBS Filter

Allocation by Project Type
- Application Change
- Infrastructure Dep...
- Major Project
- Undefined

Actuals by Project Type
- Application Change
- Infrastructure Dep...
- Major Project
- Undefined

Overtime Heatmap

Resource Name	Week41	Week42	Week43	Week44
Dhar, Sankhadeep	40	40	44	40
Evans, Nick	40	50	55	64
Hayes, Justin	40	35	30	30

Unfilled Demand

Investment Name	Role Name	Staffing OBS	December	November	October
Automated Security Enhancements	Architect		50	45	10
	Business Ana...		10	20	50
CRM Enhancements	Architect		60	50	40
eCommerce Portal	Business Ana...		20	31	10
	Test Engineer		20	10	11

My Resource Count by Project

Project Name		...	Project Manager	Project ...	Project S...	Project Fi...	Tea...	Mana...	% Ma...
Clean Waterhouse	1		Dhar, Sankhadeep	Approved	8/21/2015	11/20/2018	5	1	20
Computer Syste...	1			Approved	8/21/2015	12/4/2019	3	2	67
Consumer Revie...		Project Active		Approved	4/7/2016	9/4/2020	6	3	50
Create Webcam ...	1		Hayes, Justin	Approved	4/7/2016	10/17/208	2	1	50
Fitness Program	1		Dhar, Sankhadeep	Approved	6/27/2015	9/28/2017	4	3	75

Capacity Graph
- Available Hours
- Assignment Hours
- Allocation Hours
- Actual Hours

Task List

Investment	Task Name	Assigned To	Days...	Due Date
CRM Enhancements	Deployment Phase G...	Evans, Nick	34	7/1/16
eCommerce Portal	Planning Phase Gate ...	Evans, Nick	32	5/9/16
eCommerce Portal	Initiating Process Co...	Dhar, Sankhadeep	29	3/1/16

Risk List

Investment	Risk	Assigned To	Due Date	Is Late
eCommerce Portal	Objectives Risk	Dhar, Sankhadeep	12/10/16	0
CRM Enhancements	New enhancements req...	Dhar, Sankhadeep	7/20/16	
eCommerce Portal	Focal point for changes	Evans, Nick	12/1/16	0
CRM Enhancements	Enhancements could af...	Hayes, Justin	7/13/16	
Automated Security Enhancements	Base Architecture	Evans, Nick	10/20/16	

Issue List

Investment	Issue	Assigned To	Due Date	Is Late
eCommerce Portal	More RAM required	Dhar, Sankhadeep	11/1/16	
CRM Enhancements	Java scripts running on...	Evans, Nick	12/10/16	0
Automated Security Enhancements	Enhancements could af...	Hayes, Justin	1/1/17	0

- Assigned Labor
- Labor Shortage

- Overtime Hours
- Regular Time Hours
- Unstaffed Hours

regoconsulting
Clarity Expertise On Demand

Persona: Resource Manager

Filter:
Allows you to filter based on Resource OBS and see different levels of the organization (Include units and decedents)

KPIs/Metrics Tracked:
1. Total Headcount - Employee, Consultant, Contractor Ratio
2. Assigned Labor vs. Unfilled Roles by project
3. Capacity (available, allocation, assignment, actuals)
4. Assigned Risks/Issues Late Tasks
5. Upcoming Unfilled Demand (next 3-6 months)
6. Allocation distribution vs Actuals by project type.
7. Overtime Trending Report (who is consistently working overtime)
8. Resource count by investment

Financial Management

PPM Dashboard

Select All   Midwest   Northeast   Southeast   West

46.74M
Planned Capital

6.50M
Planned Expense

36.29M
Funded Capital

4.82M
Funded Expense

Planned Capital and Actual Capital

24.38M

0.00M   46.74M   93.48M

Count of Goal by Goal

Core   11
Innovation   10
Optimize   10

0   10

Planned Capital and Planned Expense by Category

● Planned Capital ● Planned Expense

25M
20M
15M
10M
5M
0M

Maintenance   Other   Strategic

Planned Capital and Funded Capital by Category

● Planned Capital ● Funded Capital

20M
15M
10M
5M
0M

Maintenance   Other   Strategic

Funded Capital by Funding Category

20M
15M
10M
5M
0M

Internal   LOB   Strategic

Project Management

Project
- ☐ Build read-write API for handling Orders
- ☐ Collaboration Enhancements
- ☐ FY18 Order Management System Develop...
- ☐ Integrate Social into Shopping Experience
- ☐ Maintain legacy purchasing system
- ■ Minimal Online Shopping Site
- ☐ Modernize customer service portal
- ☐ Personalized online shopping experience

Team Utilization

% of Plan	28 Planned Team Allocation
75 %	21 Actual to Date

Financials

% of Plan	$400,000 Project Budget
70 %	$280,000 Project Actuals

Actuals

CapEx	OpEx
$100K	$180K

Schedule

% of Plan	12/1/16 Project Start
50 %	4/1/17 Project Finish

Feature	Feature ID	Est. Storypoints	Storypoints Accepted	% Complete	Actuals	Actual Cost	Start	Finish
Backorder fulfillment	F37	50	40	80 %	0	$0	12/15/16	5/29/17
Credit card error messaging	F24	80	80	100 %	0	$0	12/15/16	5/29/17
Credit card payments	F9	82	29	35 %	199	$29,922	1/21/17	3/25/17
Duplcate order fulfillment	F38	60	40	66 %	0	$0	12/15/16	5/29/17
Homepage	F46	12	12	100 %	218	$32,754	1/21/17	2/21/17
Implement Fraud Detection	F28	0	0	0 %	0	$0	4/16/17	5/23/17
Integrate with Amex Gateway	F35	100	90	90 %	0	$0	12/15/16	5/29/17
Integrate with Paypal	F18	100	70	70 %	0	$0	12/24/16	1/24/17
Integrate with WePay	F19	70	70	100 %	0	$0	2/19/17	4/3/17
Knowledgebase	F45	23	23	100 %	240	$35,925	1/21/17	2/21/17
Online refunds	F17	60	60	100 %	0	$0	12/15/16	1/24/17
Priority shipping	F11	23	15	65 %	132	$19,871	1/21/17	3/22/17
Product Listings	F25	0	0	0 %	0	$0	5/4/17	5/29/17
Product purchase confirmation	F47	10	10	100 %	231	$34,712	1/21/17	2/21/17
Purchase path	F10	90	0	0 %	0	$0	2/7/17	3/28/17
Purchase single product	F44	18	18	100 %	169	$25,354	1/21/17	2/21/17
Refund management	F20	80	60	75 %	0	$0	2/16/17	3/19/17
Returned shipments	F48	31	15	48 %	190	$28,470	1/21/17	2/21/17
Search for products	F49	4	4	100 %	182	$27,368	1/21/17	2/21/17
Shopping Cart	F1	44	17	39 %	119	$17,874	1/21/17	3/19/17
Support cash/check by mail	F36	78	70	89 %	0	$0	12/15/16	5/29/17
User Profile	F23	25	5	20 %	185	$27,750	1/21/17	4/29/17
Total					**1865**	**$280,000**		

% Complete and % Remaining by Feature

● % Complete ● % Remaining

Program Management

PowerBI

Baseline Remaining Cumulative Work, Remaining Cumulative Planned Work, Remaining Cumulative Actual Work
IN THE PAST SIX MONTHS

- Baseline Remaining Cumulative Work   - Remaining Cumulative Planned Work   - Remaining Cumulative Actual Work

Projects Not Updated in the Last Month or with Incomplete Work in the Past
BY OWNER

Active Issues

8

Active Risks

16

Active Issues
BY PRIORITY

Priority   (2) Medium   (1) High

Active Risks
BY PROBABILITY

Probability   0.10   1.00   3.00

Active Risks
BY IMPACT

Impact   1.00   2.00   3.00   7.00

Portfolio Management

Portfolio Dashboard – Key Metrics
Top 200 Priority Programmes *(30 April, 2012)*

Report Criteria:		Data Availability *(% of programmes)*	
Programme Priority	*High priority only*	Programme categories	100%
Investment Category	*All*	Programme RAGs	100%
Business Partner	*All*	Programme Budget	100%
Region	*All*	Programme Spend	100%
Approval status / stage	*Approved*	Programme Risks/Issues	100%

1. Portfolio composition

Programmes by Investment Category
- Regulatory / mandatory
- M&A / Disposal
- OE
- Business Growth
- Tactical Enhnacements
- Fix-on-Fail

Programmes by Customer (Business / GFs)
- RBWM
- CMB
- GB&M
- GPB
- Global Functions

Programmes by Region
- UK
- Europe
- Americas
- APAC

2. Portfolio status *(approved in-flight initiatives)*

Programmes by RAG Status
- Red 57%
- Amber 14%
- Green 29%

Portfolio Budget Summary
- Current year: 3,000 / 3,500
- Full life: 5,000 / 5,500
- Approved budget ($m)
- Forecast budget ($m)

Portfolio Spend Summary
- Planned spend YTD: 4
- Over /Underrun: 3
- Actual spend YTD: 7

Critical Programme Risks / Issues
- Risks: 5 (11)
- Issues: 6

Critical Risks / Issues

Details provided separately

31

Portfolio Management

Portfolio Management

Portfolio Management

Portfolio Management

ITPC Active Project Scorecard

Project Name	Scheduled Finish Date	Project Mgr Name	Project Status as of Date	Project Status Comment	ETC Hours	Total Effort %	Schedule Status	Budget Status	Barrier Status
IAM Phase 2 Subproject	4/20/2020	Cobb, Cynthia	1/9/2017	This is a subproject of IT..	41,949	92%			
ITPC-0359 DARwin Upgrade to u.achieve	8/31/2017	Molitor, Christina	4/5/2017	All show stopper issues ..	242	448%	✗	✗	⚠
ITPC-0368 Athletics NCAA CAI	7/3/2017	Neuhauser, Michelle	3/31/2017	No update this month.	399	75%	✗	●	●
ITPC-0375 Identity and Access Management (I..	2/3/2025	Cobb, Cynthia	3/9/2017	SiteMinder has been up..	3,017	55%	●	●	●
ITPC-0412 Online Course Catalog	8/31/2018	Fritchey, Daryl	3/31/2017	UIUC: UIUC CIM Cours..	245	98%	✗	●	⚠
ITPC-0421 Employee Training Infrastructure A..	5/31/2017	Velazquez, Robyn	4/3/2017	A script and scoring she..	61	102%	✗	✗	●
ITPC-0442 GCO: Federal Financial Report Mod..	3/13/2017	Hill, Edward	2/1/2017	This was migrated to pro..	13	125%	✗	✗	●
ITPC-0463 Analysis and Implement PPACA Mo..	6/30/2017	Presson, Sherri	4/1/2017	Analysis and developme..	66	112%	⚠	●	●
ITPC-0465 START myResearch	11/14/2018	Molitor, Christina	4/5/2017	AITS is working closely ..	34,741	104%	●	●	●
ITPC-0466 HireTouch Data Acquisition Phase ..	6/30/2017	Williamson, Tanya	4/3/2017	Received feedback from..	2,147	101%	●	●	●

Project Actual Hours Over Time
ALL

Actual Hours by Resource (Select a Resource Name to Filter)
All

■ Monthly Actuals Hours
■ Overall Actual Hours

Risk Management

Executive Dashboards

Executive Dashboards

CA PowerBI – Resource

CA PowerBI – Resource

CA PowerBI – Project/Program – Status

CA PowerBI – Project/Program – Status

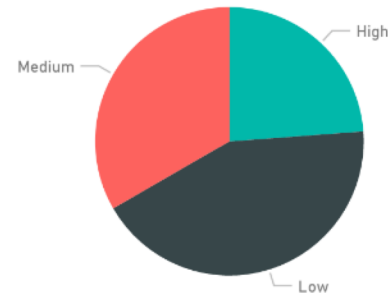| Issue Name	Project Name	Issue Owner	Issue Priori...	Issue Category	Issue Status	Issue Resolved Date	Issue Target Res
Dependent on Datamart performance	Web Application Enhancement	Sutherland, Joy	Low	Interdependencies	Work in Progress		1/1/2017
Funding is being reduced	Web Application Enhancement	Berry, Jason	Medium	Funding	Resolved	6/28/2016	11/18/2016
Issue 1	Restructure NA Procurement Process	Thomas, Brian	Medium	Funding	Open		12/4/2016
Issue 1	Restructure LatAm Procurement Process	Thomas, Brian	Medium	Resource Availability	Open		12/4/2016
Portlet for Customer Accounts	Online Web Portal Program	Morris, Tom	Medium	Implementation	Resolved	10/21/2015	4/19/2016
Resource conflicts	Online Web Portal Program	Johnson, Eric	Medium	Resource Availability	Resolved	5/14/2008	3/13/2016
Database version upgrade	Online Order Performance Improvements	Morris, Tom	High	Technical	Work in Progress		12/11/2016
Tests were done, but not matched hardware	Online Order Performance Improvements	Morris, Tom	Low	Technical	Work in Progress		12/27/2016
Issue 1	New Branding Initiative - NA Region	Thomas, Brian	Low	Human Interface	Open		11/3/2016

CA PowerBI – Project/Program – Status

Risk Name	Project Name	Risk Owner	Risk Category	Risk Priority ▲	Risk Probability	Risk Impact	Risk Target Resolution D...
Dependent on Datamart performance	Web Application Enhancement	Sutherland, Joy	Interdependencies	High	Medium	Medium	2/16/2017
Insufficient capacity may impede proper sizing of teams to meet mileston...	Online Web Portal Program	Granger, Paula	Resource Availability	High	Medium	Medium	4/12/2016
Poorly Defined Requirements	Web Application Enhancement	Sutherland, Joy	Sponsorship	High	High	High	12/31/2016
Reduction of Funding	New Branding Initiative - NA Region	Thomas, Brian	Funding	High	Medium	High	12/13/2016
Can switching technology increase performance?	Online Order Performance Improvements	Morris, Tom	Technical	Low	Low	Low	12/1/2016
Funding Risk	Minimal Online Shopping Site	Administrator, Syste...		Low	Low	Low	2/17/2017
Global Agreement	Restructure NA Procurement Process	Thomas, Brian	Interdependencies	Low	Low	Low	12/13/2016
Implementation risk	BI Analytics	Olney, Pam	Implementation	Low	Medium	High	12/3/2016
Java vs .NET performance	Online Order Performance Improvements	Morris, Tom	Technical	Low	Low	Low	11/21/2016
Network and bandwidth issues may occur at a critical point in program	Online Web Portal Program	Martin, Paul	Technical	Low	Low	High	4/19/2016
No budget	eCommerce Portal	Martin, Paul	Funding	Low	Low	Low	10/23/2016

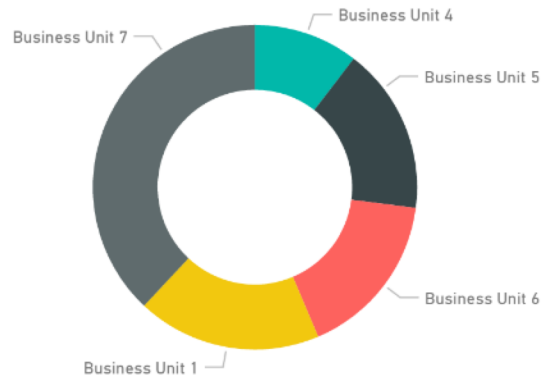# CA PowerBI – Project/Program – Health

CIO Alert Projects
☐ No
☑ Yes

Product
☐ Fulfillment
☑ Online Orders
☐ Online Store
☑ Social Media

Budget	Actuals	Forecast	Variance	Variance %
$1.19M	$800.00K	$920.12K	($85.93K)	-7 %

% Projects Complete	Project Cycle Time	% Outcomes Realized	Target Benefit	Realized Benefit
63 %	70	38 %	$10.00M	$5.00M

Project Name	Stage	Status	Schedule	Alignment	Risk	Issues	CRs	Complete	Outcome Realized	Resource Alloc	Planned Cost	Product
Return Authorization	Launch	🟢	🟢	🟢	🟡	🟢	🟢	Yes	No	984	$258,720	Online Orders
Order Confirmations	Development	🟢	🟢	🟡	🟡	🟢	❌	No	No	1344	$192,400	Online Orders
Import LinkedIn Profile	Launch	🟡	🟢	🟡	🟡	🟢	🟢	Yes	No	944	$169,920	Social Media
Integrate Social into Shopping Experie...	Development	❌	🟢	🟢	❌	❌	❌	No	Yes	1200	$168,000	Social Media
Build read-write API for handling Orders	Launch	🟢	🟢	🟡	🟡	❌	🟢	Yes	Yes	1032	$134,160	Online Orders
Connect to Snapchat	Testing and Validation	🟢	❌	🟡	❌	🟢	🟢	No	Yes	736	$122,688	Social Media
Link to Instagram	Launch	🟢	🟢	🟢	🟢	🟡	🟢	Yes	No	704	$119,680	Social Media
Order Suggestions	Launch	🟢	🟢	🟢	🟡	❌	🟢	Yes	No	768	$111,360	Online Orders
Total										7712	$1,276,928	

CA PowerBI – Financial

Budget to Forecast Cost Variance by Portfolio

Budget to Forecast Variance by Goal

Projects over Budget

34

Over Budget by $

-14.98M

Budget to Forecast Variance

Investment Name	Investment Manager	Max of Total Forecast Cost	Max of Total B...	Max of Total Budget to ...
Meeting Reservation Portal	Tanner, Paul	834,950.00	0.00	-834,950.00
Mobile Device Management (MDM) Deployment	Paxton, Robyn	646,260.00	0.00	-646,260.00
System Upgrade Release 14	Paxton, Robyn	646,260.00	0.00	-646,260.00
Office Upgrade	Tanner, Paul	533,300.00	0.00	-533,300.00
eBusiness Mobile Network	Paxton, Robyn	445,000.00	0.00	-445,000.00
Credit Card Security Improvements	Reed, Henry	435,000.00	0.00	-435,000.00
Security Compliance	Sutherland, Joy	349,200.00	0.00	-349,200.00
Mobility Management Services	Tanner, Paul	343,020.00	0.00	-343,020.00
MyLearning Mobile Pilot	Tanner, Paul	343,020.00	0.00	-343,020.00
BYOD Management	Tanner, Paul	343,020.00	0.00	-343,020.00
Online Order Entry	McCarthy, John	325,500.00	0.00	-325,500.00

CA PowerBI – Financial

CA PowerBI – Portfolio

Portfolio Name

- ☐ Business Unit 1
- ☐ Business Unit 4
- ☐ Business Unit 5
- ☐ Business Unit 6
- ☐ Business Unit 7
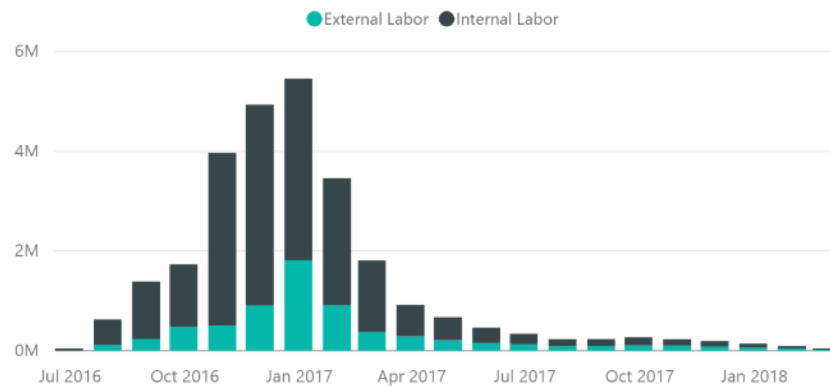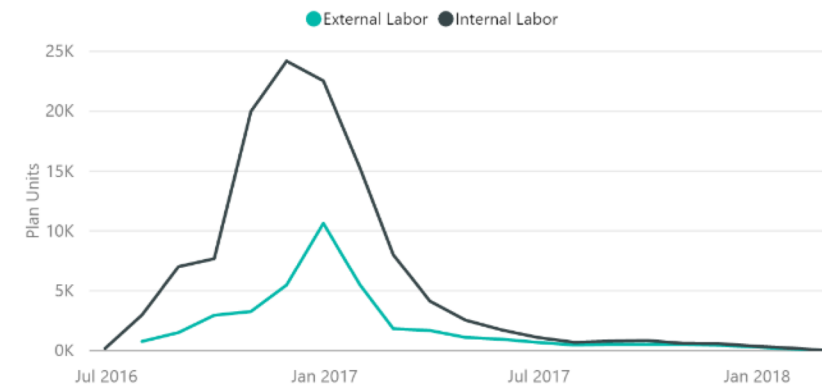
# of Late Projects

6

Late Projects

● Days Late ● Days Late %

Late Projects by Goal

Investment Name	Investment Manager	Goal	Stage	Start Date	Finish Date	Baseline Start ▼	Baseline Finish	Days Late	Average of Days Late %
PCI Controls Remediation	Reed, Henry	Infrastructure Improvement	Initiation	11/14/2016	3/9/2017	11/14/2016	3/3/2017	6	6.00
Client Services Datamart	Martin, Paul	Infrastructure Improvement	Planning	10/14/2016	2/8/2017	10/14/2016	2/2/2017	18	5.00
Executive Dashboard Visibility	Berks, Paul	Cost Reduction	Building	10/14/2016	2/6/2017	10/14/2016	2/2/2017	4	4.00
Meeting Reservation Portal	Tanner, Paul	Grow the Business	Initiation	10/14/2016	4/17/2018	10/14/2016	4/13/2018	4	1.00
CRM Enhancements	Riviera, Alex	Grow the Business	Closing	8/15/2016	12/23/2016	7/5/2016	11/14/2016	117	29.00
CRM Contact Center Development	Riviera, Alex	Grow the Business	Building	7/15/2016	12/12/2016	6/14/2016	10/28/2016	135	33.00
Total								**284**	**17.67**

CA PowerBI – Portfolio

CA PowerBI – Portfolio

	# of Investments	Total Cost	Total CapEx	Total OpEx	Total Benefits	# High Priority Risks	# of Late Projects
	101	27.13M	13.60M	13.53M	51.23M	4	6

CapEx and OpEx by Portfolio

● Total Planned Capital Cost ● Total Planned Operating Cost

Cost by Goal

Hours by Goal

Investment Name	Investment Manager	Investment Type	Goal	Total Planned Cost	Total Planned Capital C
4G Upgrade Readiness	Reed, Henry	Project	Infrastructure Improvement	719,880.00	373,680
AP Architecture Consolidation	Martin, Paul	Idea	Infrastructure Improvement	500,000.00	100,000
Automated Security Enhancements	Berks, Paul	Project	Grow the Business	943,200.00	474,000
BI Analytics	Riviera, Alex	Project	Grow the Business	726,000.00	280,800
BrightStor HSM Hierarchical Storage Manag...	Miller, Veronica	Asset	Cost Avoidance	30,000.00	0
BYOD Management	Tanner, Paul	Project	Cost Avoidance	343,020.00	228,600
CA Wily Introscope	Lewis, Paul	Asset	Infrastructure Improvement	20,000.00	0
CA Wily Portal Manager	Lewis, Paul	Asset	Infrastructure Improvement	175,000.00	125,000
Client Services Datamart	Martin, Paul	Project	Infrastructure Improvement	656,400.00	247,200
Cloud Computing Enhancements	Martin, Paul	Idea	Grow the Business	500,000.00	50,000
Total				**27,126,660.00**	**13,595,840.**

Total Planned Cost by Goal and Stage

Rego Adoption Metrics
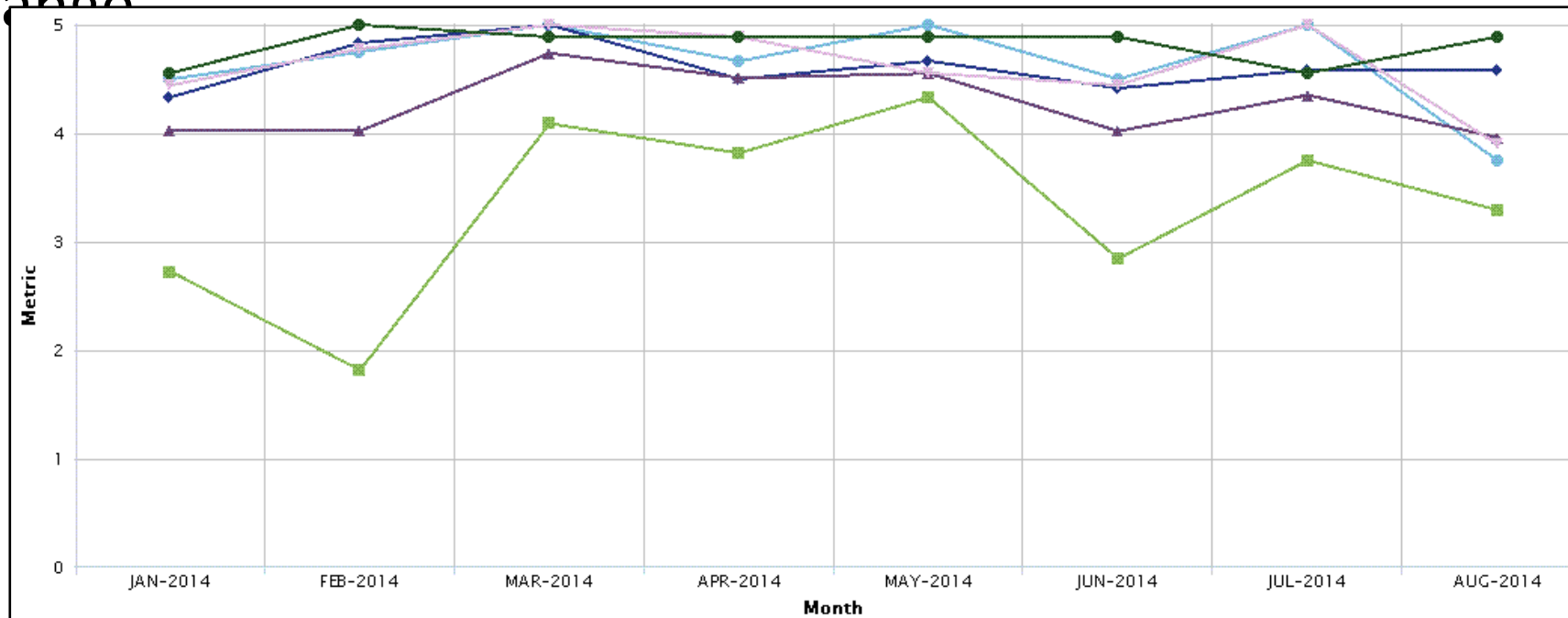
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Adoption Metric Framework Levels

- The Adoption Metrics Framework is based on criteria built using a set of scoring levels that will drive maturity.

- Scoring Levels range from 0 to 5
  - 5 – data is of high quality, latest information available
  - 4 – repeatable consistent use with improved data
  - 3 – regular use with consistent data
  - 2 – regular use but inconsistent data
  - 1 – ad hoc or inconsistent use
  - 0 – minimal or no compliance

- To implement the adoption metrics, custom attributes are created on either the project object or the resource object and each metric holds a score that is calculated based on thresholds

Adoption Metric Trending -Views

- This portlet pulls monthly trending snapshots for the full complement of metrics displayed in line graph form.   This view can be filters by OBS or by a date range

Project Adoption Metrics

The following slides describes in more detail the individual metrics used to provide data from within the Project Object. The metrics include:

- Project Status Reporting
- Project Risk Adoption
- Project Issue Adoption
- Project Schedule
- Project Baseline
- Project Zero ETC's
- Project Past ETC's

- Project Milestone/Key Tasks
- Project Schedule Variance
- Project Effort Variance
- Project Budget Variance
- Project Unfilled Roles
- Project Data Quality
- Project Commitment

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Project Metrics - Portlet

- This portlet displays all the project metrics in a column graph view based on the level of the Organization Breakdown Structure chosen.
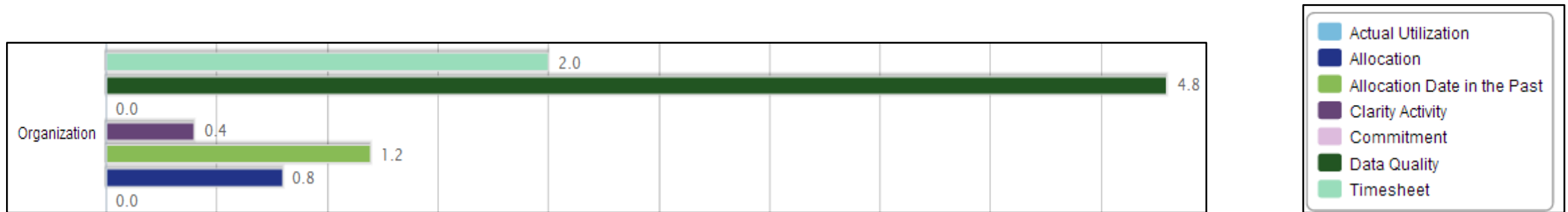
Project Metrics Details - Portlet

- This portlet displays numeric values for all of the project adoption metrics in a row format. This view can be filtered on Organizational Breakdown Structure, Project or Manager.

Project ▲	Manager	Start Date	Finish Date	Status Reporting Metric	Risk Adoption Metric	Issue Adoption Metric
Another Sharepoint Test	Wuenstel, Chris	1/7/14	1/7/15	0	0	5
Final Sharepoint Test	Wuenstel, Chris	1/8/14	1/8/15	0	0	5
JD - Test Project	Wuenstel, Chris	5/2/13	8/31/14	0	0	5
Open Superhero Schools	West, Wally	10/29/12	11/25/14	0	1	2
Phase Exit Gate	Wuenstel, Chris	2/3/14	2/3/15	0	0	5
Project for Test Idea 1234	Administrator, Niku	5/1/14	5/24/15	0	0	5
Save the World	Ortega, Juan	1/1/12	9/28/17	0	1	2
Sharepoint Project Test	Wuenstel, Chris	1/6/14	1/6/14	0	0	5
Sharepoint Project 2	Wuenstel, Chris	1/9/14	1/9/15	0	0	5
Sharepoint 2013 New Test	Wuenstel, Chris	2/24/14	2/24/15	0	0	5

Project Metrics by OBS

- This portlet displays all the metrics or a specific metrics in row graphical format based on filtering by the Organizational Breakdown Structure level and/or to a specific metric.

Project Lowest/Highest Adopters

- This portlet provides a view into which resource managers have the highest or lowest adoption scores by looking at an average overall score for all Resource metrics or by an individual metric.

Resource Adoption Metrics

The following slides describes in more detail the individual metrics used to provide data from within the Resource Object. The metrics include:

- Resource CA PPM Usage

- Resource Timesheet

- Resource Allocation

- Resource Actual Utilization

- Resource Allocation Date in the Past

- Resource Data Quality

- Resource Commitment

Resource Metrics - Portlet

- This portlet displays all the resource metrics in a column graph based on the Organization Breakdown structure level chosen.

Resource Metrics Details - Portlet

- This portlet displays numeric values for all of the resource adoption metrics in a row format. This view can be filtered on Organizational Breakdown Structure, Project or Manager.

Resource ▲	Manager	Clarity Activity Metric	Timesheet Metric	Allocation Metric	Actual Utilization Metric
Wachsmann, David	Administrator, Niku	0		0	
warner, mark	Administrator, Niku				
West, Wally	Allen, Barry	0	2	3	0
Woman, Cat	Spiderman, Spidy	0	2	0	0
Woman, Wonder	Kent, Clark	0	2	5	0

Resource Metrics by OBS

- This portlet displays all or a specific resource metrics in row graphical format filtered on Organizational Breakdown Structure and specific metric.

Resource Lowest/Highest Adopters

- This portlet provides a view into which resource managers have the highest or lowest adoption scores by looking at an average overall score for all Resource metrics or by an individual metric.

Final Thoughts – Metrics……

- Drive behavior
- Need to be intuitive
- Are validated when aligned with company goals
- Provide a means for management to see where help is needed
- Can have a finite lifespan
- Come and go as business changes
- Thrive in simplicity
- Are easy to collect and report on
- Need a champion
- Must be clearly communicated and be kept visible
- Are not a way to get people in trouble
- Should be removed if they are not effective

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Questions?

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Thank You For Attending regoUniversity

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- Click on **Course or Training**
- Class Name = **regoUniversity**
- Course Number = **Session Number**
- Date Started = **Today's Date**
- Date Completed = **Today's Date**
- Hours Completed = **1 PDU per hour of class time**
- Training classes = **Technical**
- Click on **I agree** and **Submit**

Let us know how we can improve!
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Appendix

ServiceNow Dashboards

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Project Management

ServiceNow

Project Manager Dashboard

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Program Management

ServiceNow

Active Projects

21

Programs

0

Estimated Cost by Expense Type

Estimated Cost by Cost Type

	External labor Capex	Hardware Capex	Hardware Opex	Labor Capex	Labor Opex	Software Capex	Software Opex
PRJ0000001				3,000		8,000	
PRJ0000002				102,600			
PRJ0010009		2,000					
PRJ0011236		15,000		7,850			
PRJ0011337		20,000		16,800			
PRJ0011382		20,000		16,800			
PRJ0011397		20,000		28,200			
PRJ0011480				17,400			
PRJ0011501		20,000		22,125			
PRJ0011585		20,000		69,600			
PRJ0011669				6,000			
PRJ9010046			125,000	377,000			
PRJ9010236	75,000			850,800	65,800		30,000

Budget Allocation by Expense Type

Actual Cost by Expense Type

Portfolio Management

ServiceNow

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Financial Management

ServiceNow

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Executive Dashboards

ServiceNow

Executive Dashboards

Executive Dashboards