Cornerstone Reporting Optimization (CRO)

Finance Data Analytics and Reporting
Project Overview
November 2018
Finance Data Analytics and Reporting Project Description

To build an integrated financial data analytics and reporting platform that will support all Rutgers campus and unit finance users, and operationalize the Finance Data Analytics and Reporting Team (DART) to meet the current and future finance reporting demands of the university.

Scope

• Implement the Tableau Enterprise Finance reporting environment:
  – Self-Service Analytic (SSA): environment to enable users to create, publish, and share dashboards, reports, and analyses
  – Managed Reporting (MR): environment to enable users to access standardized dashboards, reports, and views for rapid analysis

• Build an integrated Data Warehouse with data from the following finance and administration systems:
  – Oracle Cloud (Financial Management), PeopleSoft HR and Payroll, Jaggaer, RAPSS, Student Accounting, Financial Aid, Student Registration, RBHS Billings Systems, and others

• Operationalize the Finance Data Analytics and Reporting Team (DART) to support and govern the new Finance reporting and analytics platform
## Project Overview

### Project Evolution

<table>
<thead>
<tr>
<th>Oracle Cloud FMS</th>
<th>Oracle Enhanced Reporting Initiative (ERI) Project</th>
<th>Cornerstone Reporting Optimization (CRO) Project</th>
<th>Finance Data Analytics and Reporting Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct-16</td>
<td>Mar-17 - Ongoing</td>
<td>Jan-18 – May-18</td>
<td>Sep-18 – Jan-20</td>
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</tbody>
</table>

### Oracle Report Inventory:
- FRS
- OTBI
- BI Publisher
- Smart View
- Discoverer

### Go-To List:
- Enhanced Reporting Group (FIS + Campus/Unit Reps)
- Report Rationalization
- Published the key Go-To reports website

### CRO Assessment Phase:
- Current State Assessment
- Requirements Gathering Workshops
- Future State
- Gap Analysis
- Solution Design and Roadmap

### CRO Project Planning and Organization:
- Implementation Project Plan
- Stakeholder Analysis
- Communication Strategy and Plan
- Training Strategy and Plan
- Finance DART operating model
- Tableau Enterprise Strategy, Architecture and Governance model
- Finance DART and Project Team staffing and resourcing

### Finance Data Analytics and Reporting Project:
- Tableau Enterprise environment
- Self-Service Analytics (SSA)
- Managed Reporting
- Operationalize the Finance DART
- Budget Office Tableau Enterprise Migration (175+ users, 4 data sources)
- Tableau Discoverer Finance Replacement Reports
- 8 Tableau Finance Reporting and Analytics releases*

* See slide 7 for detail list of deliverables

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Oracle FMS

CRO Project Planning and Organization

Go-To List:
- General Ledger
- Projects
- Procure-to-Pay
- Expense Report

CRO Assessment Phase:

Finance Data Analytics and Reporting Project:
- Tableau Enterprise environment
- Self-Service Analytics (SSA)
- Managed Reporting
- Operationalize the Finance DART
- Budget Office Tableau Enterprise Migration (175+ users, 4 data sources)
- Tableau Discoverer Finance Replacement Reports
- 8 Tableau Finance Reporting and Analytics releases*

* See slide 7 for detail list of deliverables
## Objectives and Benefits

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Benefits to You</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Provide a single source of integrated, validated, and timely finance data used for reporting – <strong>Data Warehouse</strong></td>
<td>Reduce or eliminate non-value added tasks (i.e. manually cleansing, mapping, coalescing, validating, and reconciling data across multiple reports/systems)</td>
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<tr>
<td>2. Provide a single finance reporting platform containing integrated data from multiple source systems – <strong>Tableau Enterprise Server</strong></td>
<td>A 360° view of financial and administrative information will help you manage your business, gain insights, and enable informed decisions for improved outcomes</td>
</tr>
<tr>
<td>3. Provide a set of standardized views that meet the needs for all users across the university – <strong>Managed Reporting</strong></td>
<td>Standardized views for an intuitive, easy to navigate interface designed for you to access valuable and useful information for rapid analysis</td>
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<tr>
<td>4. Provide a standardized tool to enable ad-hoc reporting and analysis – <strong>Self Serve Analytics</strong></td>
<td>A standardized tool will allow experienced analysts to create customized views to analyze data tailored to your unique business needs</td>
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<tr>
<td>5. Operationalize the <strong>Finance Data Analytics and Reporting Team</strong></td>
<td>A team of functional and technical experts that will support you with the on-going improvement, maintenance, governance, security, and administration of the new Finance analytics and reporting environment</td>
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</tbody>
</table>
## Project Deliverables (Proposed)

*Deliverables Based on:*
- ✔ 11 report requirements workshops
- ✔ 170 workshop attendees
- ✔ 400+ User Defined Requirements
- ✔ Representation from all Rutgers campuses
- ✔ Primarily Business Manager and Analyst level users

### Project Overview

#### Tableau Project Release

<table>
<thead>
<tr>
<th>Tableau Project Release</th>
<th>G/L</th>
<th>Grant Proposal</th>
<th>Sponsored Projects</th>
<th>Non-Sponsored Projects</th>
<th>Procurement</th>
<th>AP / Invoice</th>
<th>Travel and Expense</th>
<th>HR</th>
<th>Payroll</th>
<th>Student Accounting</th>
<th>Financial Aid</th>
<th>Registration</th>
<th>RBHS Billing</th>
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<tbody>
<tr>
<td>G/L, RU Legacy G/L, Payroll, and RU Legacy Tuition Redistribution</td>
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<tr>
<td>Tableau Replacement for Discoverer Finance Reports (20), Sponsored Project Reports</td>
<td>✔</td>
<td>✔</td>
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<td>Payroll Analytics</td>
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<td>Sponsored Project Analytics</td>
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<td>Non-Sponsored Project Analytics</td>
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<td>G/L Ledger/ Subledger Analytics</td>
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<td>Student Registration and Faculty Analytics</td>
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<td>RBHS Billing Analytics</td>
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<td>P2P Analytics</td>
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<td>HR Analytics</td>
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### High-Level Timeline (Proposed)

<table>
<thead>
<tr>
<th>Finance DART</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
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</thead>
<tbody>
<tr>
<td>Plan and Establish</td>
<td>Aug</td>
<td>Sep</td>
<td>Oct</td>
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<tr>
<td>Support, Manage, and Govern</td>
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<tr>
<td><strong>R1</strong>: G/L, Legacy RU G/L Payroll, Legacy RU Tuition Redistribution (data only), and Expense Report Analysis</td>
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<tr>
<td><strong>R1a</strong>: Sponsored Project Report and Tableau Discoverer Finance Report Replacement</td>
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<td>R2: Payroll Analytics</td>
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<td>R3: Sponsored Projects Analytics</td>
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<td>R4: Non-Sponsored Analytics</td>
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<td>R5: G/L Ledger/Subledger Analytics</td>
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<td>R6: Student Registration and Faculty Analytics</td>
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<td>R7: RBHS Billing Analytics</td>
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<td>R8: Procurement Analytics</td>
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<td>R9: HR Analytics</td>
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Key Components for Success

• **Tableau Enterprise Finance data analytics and reporting environment:**
  – **Self-Service Analytic (SSA):** environment to enable users to create, publish, and share dashboards, reports, and analyses
  – **Managed Reporting (MR):** environment to enable users to access standardized dashboards, reports, and views for rapid analysis

• **Integrated Data Warehouse containing data from the following systems:**
  – Oracle Cloud (Financial Management), PeopleSoft HR and Payroll, Jaggaer, RAPSS, Student Accounting, Financial Aid, Student Registration, RBHS Billings Systems, and others

• **Operationalize Finance DART to support and govern the new Finance data analytics and reporting platform**

• **Change Management strategy and plan with a focus on communications, training, and engagement with key stakeholders across all campuses and units**