MINI WORKSHOP: INTRODUCTION TO OBIEE

SESSION 6017
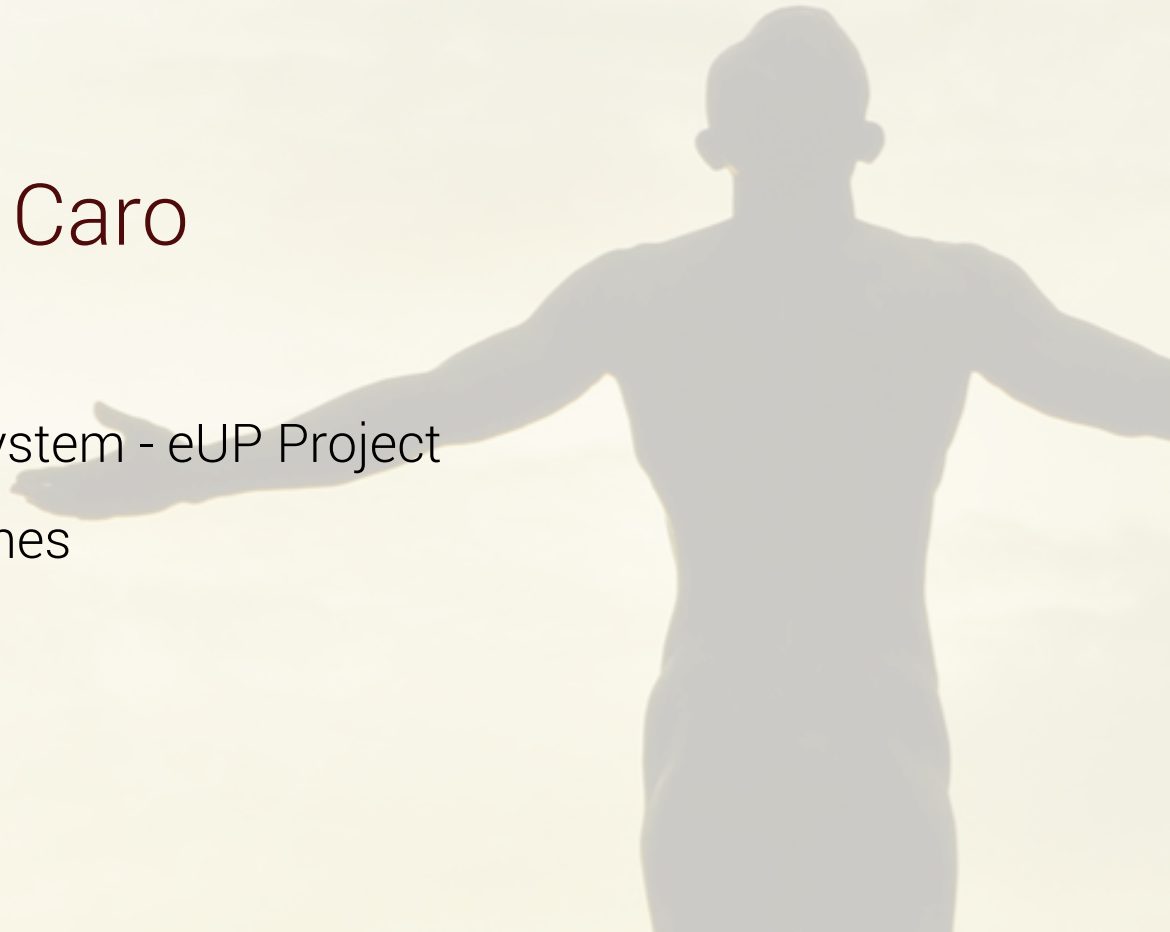10 November 2015

PRESENTER

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OUTLINE

Basic setup and features of Oracle Business Intelligence
Enterprise Edition (OBIEE)

1. OBIEE Architecture Overview
   BI Architecture, Source and Repository Schema, OBIEE Setup

2. OBIEE Analysis Editor
   Analysis Criteria, Properties, Filters and Inline Prompts

3. Working with Pivot Tables, Graphs and Other Views
   Pivot Table View, Other Views, Graph Editor

4. Dashboards and Advance Features of OBIEE
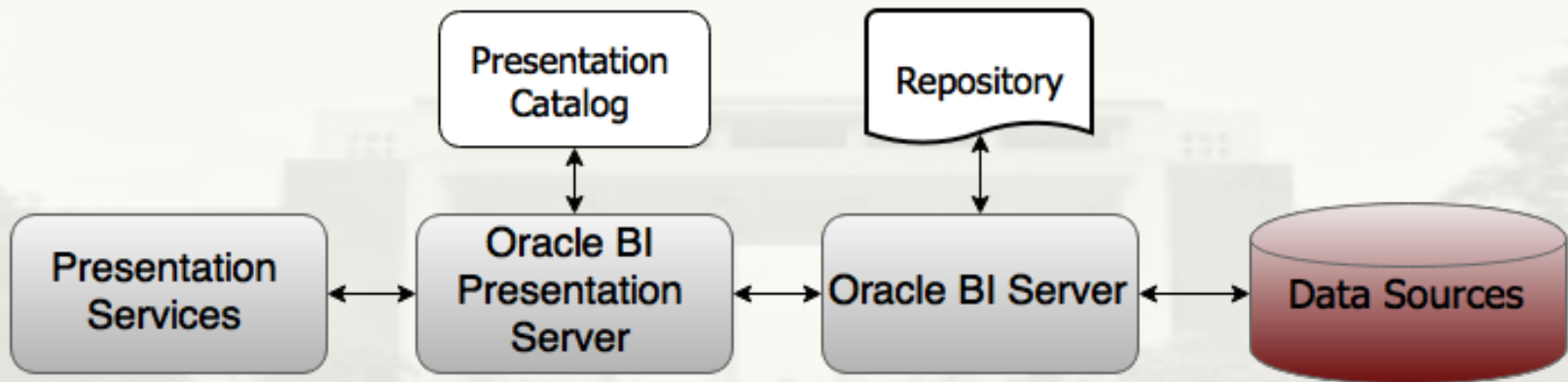   *Dashboards, Tools Toolbar, Dashboard Prompts and other features*
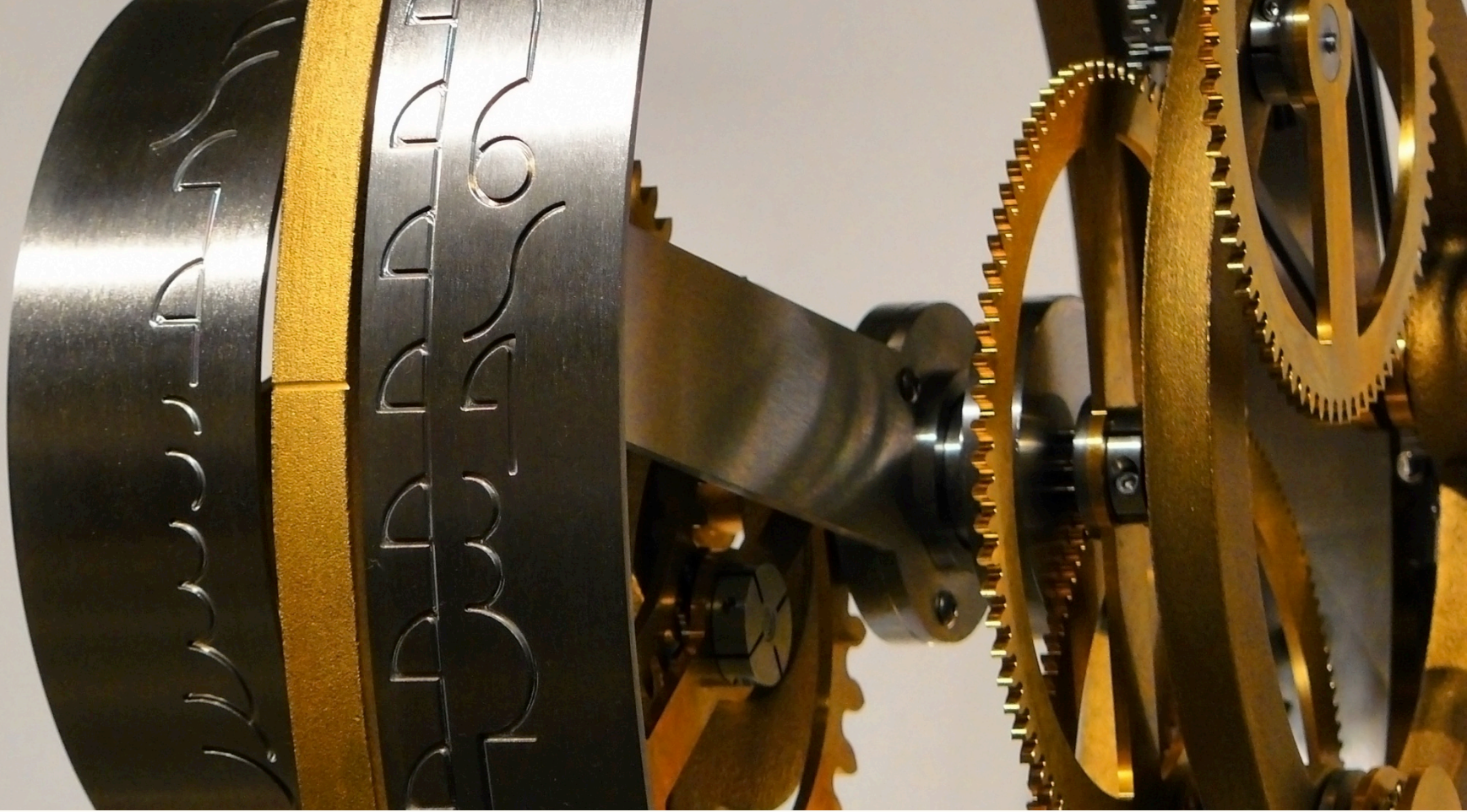
OBIEE ARCHITECTURE OVERVIEW

BI Architecture
Source and
Repository Schema
OBIEE Setup

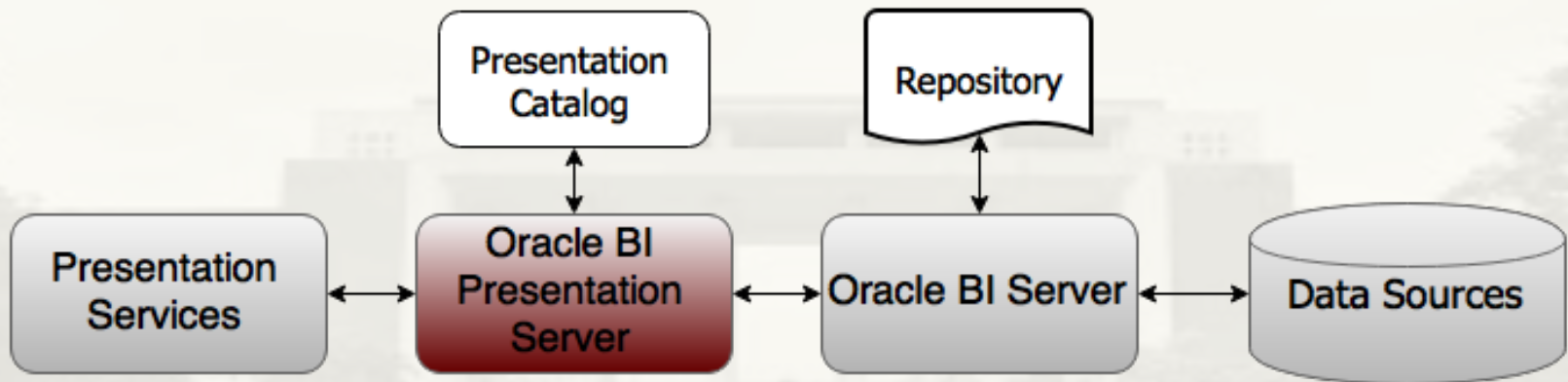# ORACLE BI COMPONENTS
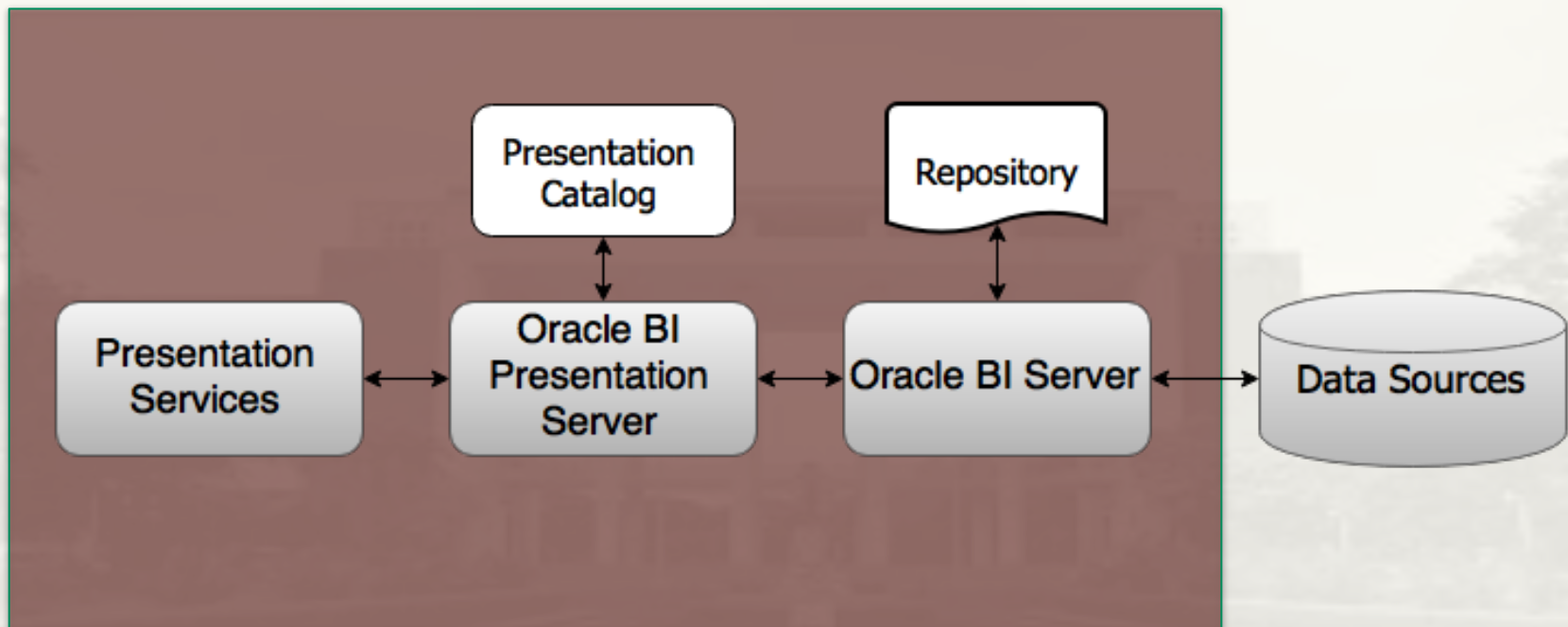
ORACLE BI COMPONENTS

Data Sources are the physical sources (RDBMS, OLAP DB, Flat Text File, Spreadsheet, XML) where business data is stored.
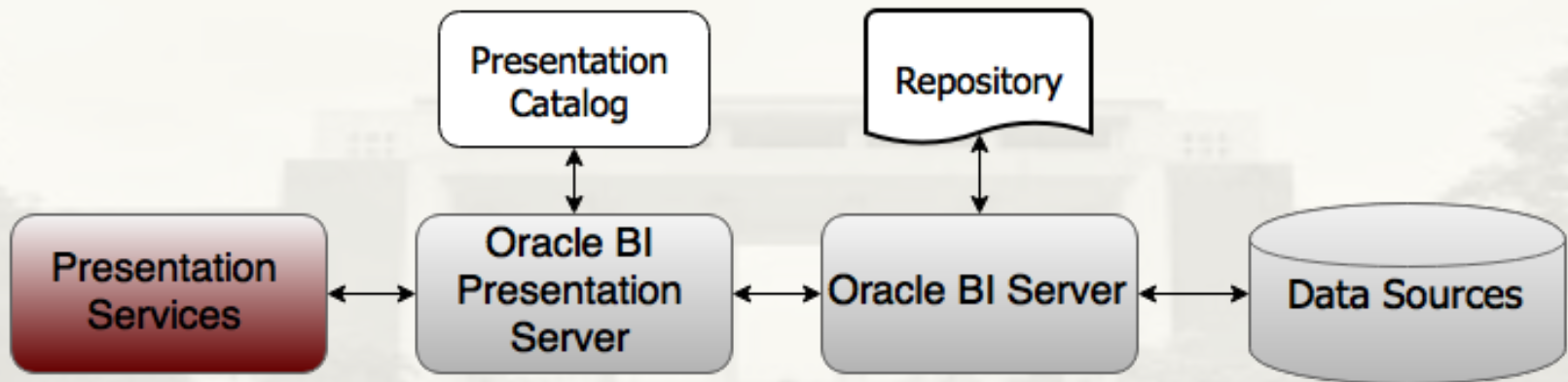
ORACLE BI COMPONENTS
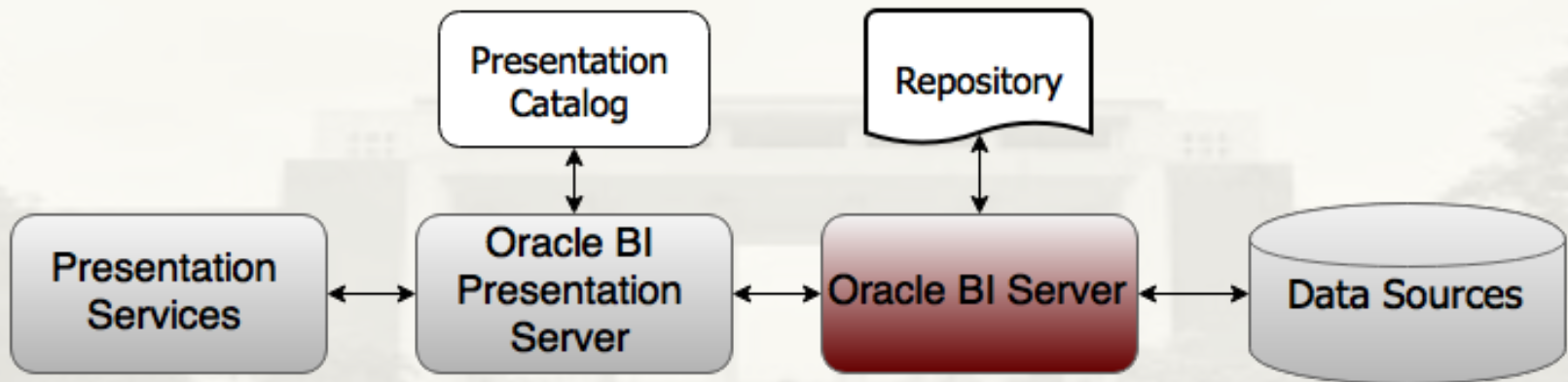
Oracle BI Server is the core server behind Oracle Business Intelligence that provides processing to access physical data sources.

ORACLE BI COMPONENTS

The Presentation Server provides processing to visualize information for end-user consumption. It uses the Presentation Catalog to store saved contents.

ORACLE BI COMPONENTS

The Presentation Services are the end-user tools that provide access to business intelligence information via a web browser. It includes the OBI Analysis Editor and OBI Dashboards.

UP'S OBIEE SETUP
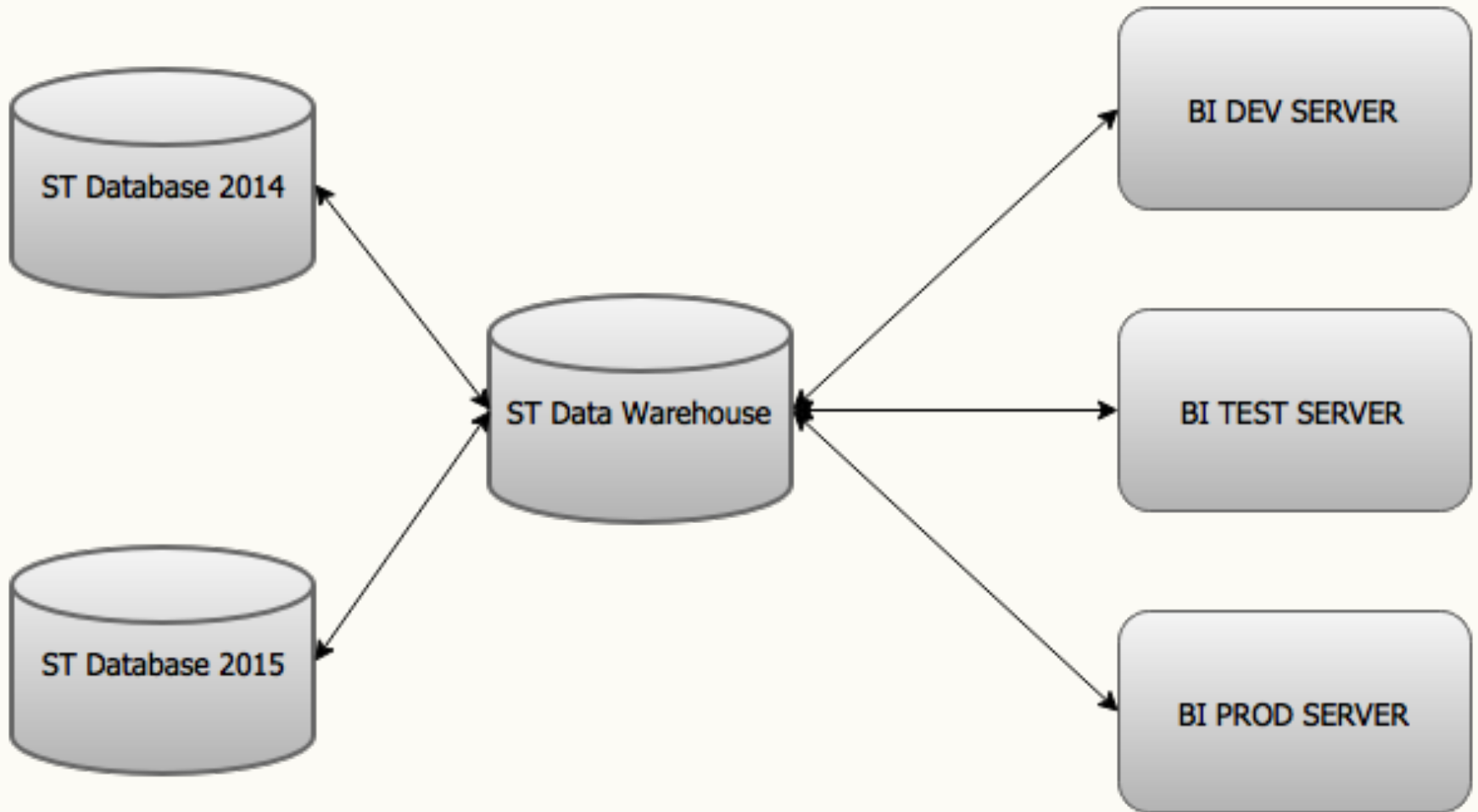
SOURCE SCHEMA
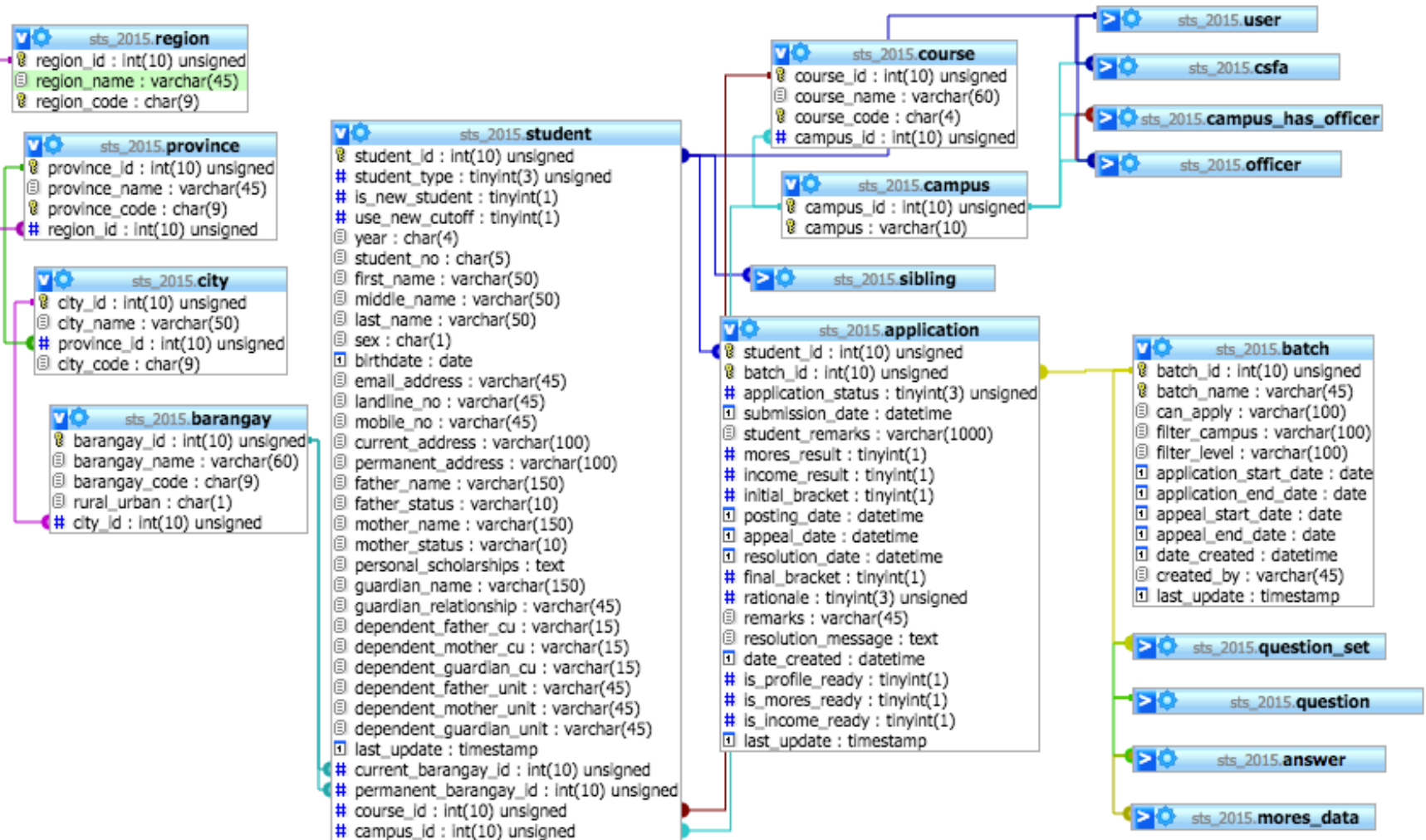
RPD
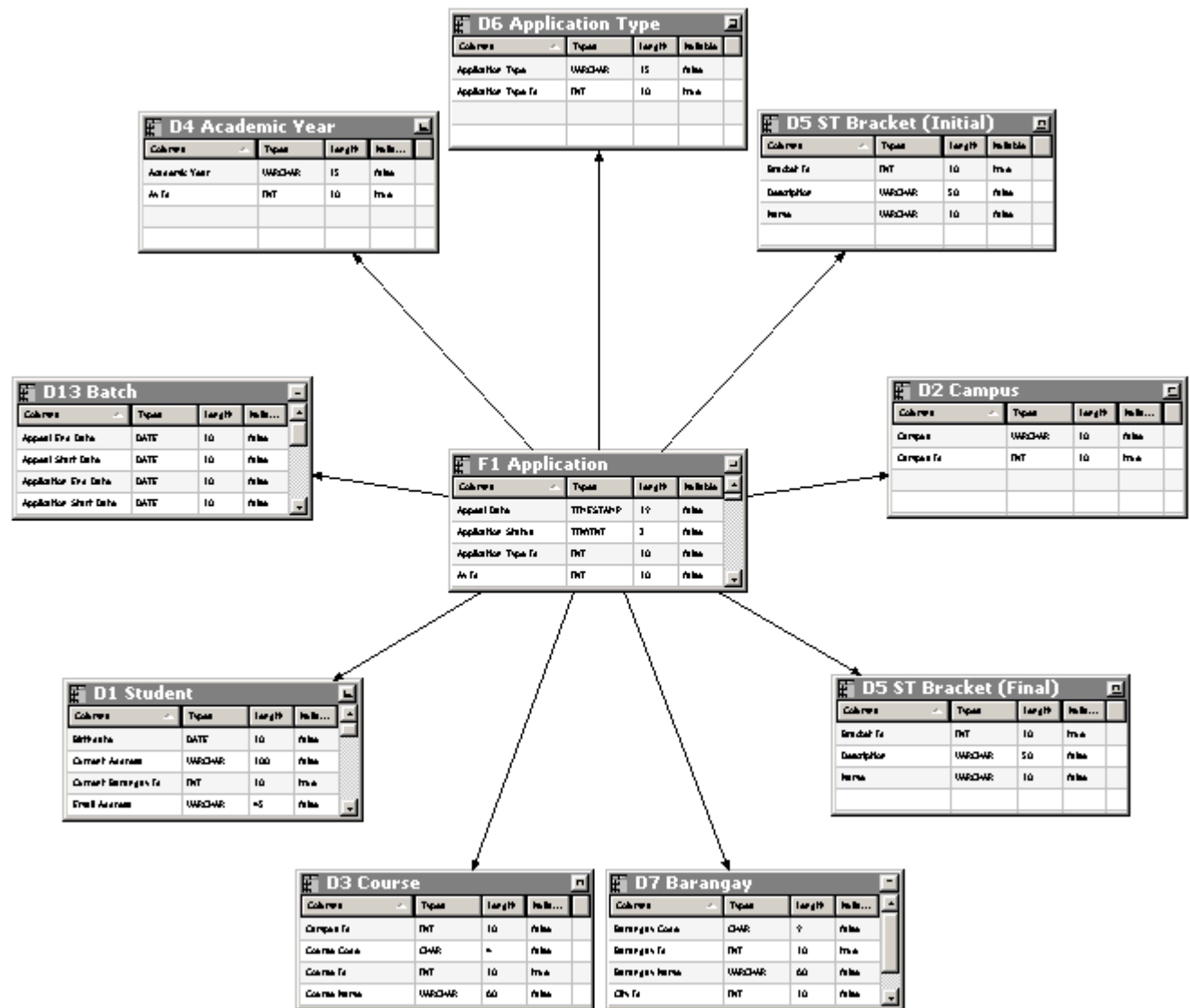
CREDENTIALS

OBIEE 11.1.1.9.1

Web Browser *(preferrably Mozilla Firefox with Adobe Flash Plugin)*

IP Address: *202.92.140.63:9704/analytics*

User ID: *user_XX*

Password: *password_XX*

Online Guide: *bit.ly/heug_obiee*

Sign In

Enter your user id and password.

User ID

Password

Sign In

☐ Accessibility Mode

English

OBIEE ANALYSIS EDITOR

Analysis Criteria
Properties
Filters
Inline Prompts

KEY TERMS

1. Analysis
   simple report, answers a query against an organization data
2. Column
   represents data that an analysis returns
3. Filter and Prompts
   filter is the mechanism that restricts the result set returned by an analysis while a prompt is an interactive kind of filter
4. Criteria
   set of columns, filters, formatting and properties specified for an analysis

CREATING AN ANALYSIS

ANALYSIS EDITOR

ANALYSIS EDITOR TABS

Criteria Tab
- *To specify and modify the criteria, formatting and other aspects of an analysis including columns and filters*

Results Tab
- *To create different views of the analysis results such as pivot tables and graphs.*

Prompts Tab
- *To create prompts that allows users to select values to limit an analysis. This prompts dynamically filter all views within an analysis*

Advanced Tab
- *To examine the XML and logical SQL generated for an analysis*

ANALYSIS EDITOR - CRITERIA

Column Options

Determine arrangement

Add functions and conditional expr that present results of columns

CALCULATIONS BUILDER

Determine column heading

Available Functions for creating logic for the column being modified

CALCULATIONS BUILDER

Determine column heading

CASE WHEN "Student"."Sex" = '' THEN 'Undeclared' ELSE "Student"."Sex" END

ANALYSIS EDITOR - CRITERIA

Edit the format, appearance and behavior of the column

WHERE clause in the SELECT statement

ANALYSIS EDITOR - FILTER

ANALYSIS EDITOR - FILTER

ANALYSIS EDITOR - FILTER

options to edit, copy and delete filters

Click this operator to change conjunction (AND – OR)

ANALYSIS EDITOR - RESULT

DATA VIEW EDITOR

Click Done to save changes

ANALYSIS EDITOR - PROMPT

ANALYSIS EDITOR - PROMPT

Preview of the prompt

PIVOT TABLE, GRAPHS AND OTHER VIEWS

Pivot Table View
Other Views
Graph Editor

KEY TERMS

1. Views
   present analysis data in meaningful and intuitive way. this can be a table, a static text, or a graph
2. Pivot Table
   a type of view that enables user to play with rows, columns, sections, prompts, and heading to obtain different perspective of an analysis result
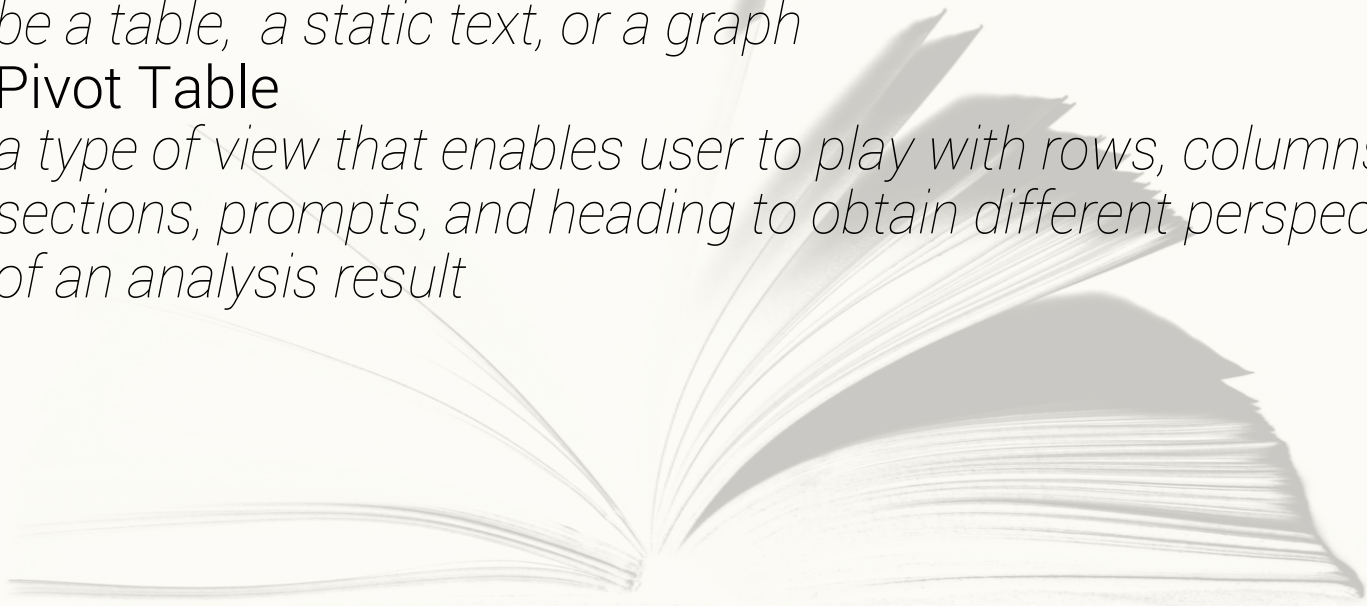
VIEWS

Add additional visual representation of data

VIEWS

Add Style to the container. e.g. BG Color

Graph Properties. Format Style, Title and Labels

Edit Graph Content

CREATE A NEW ANALYSIS WITH THE FF. CRITERIA

PIVOT TABLE VIEW

PIVOT TABLE VIEW

PIVOT TABLE

PIVOT TABLE

PIVOT TABLE WITH GRAPH

DASHBOARDS AND ADVANCED FEATURES

Dashboards
Tools Toolbar
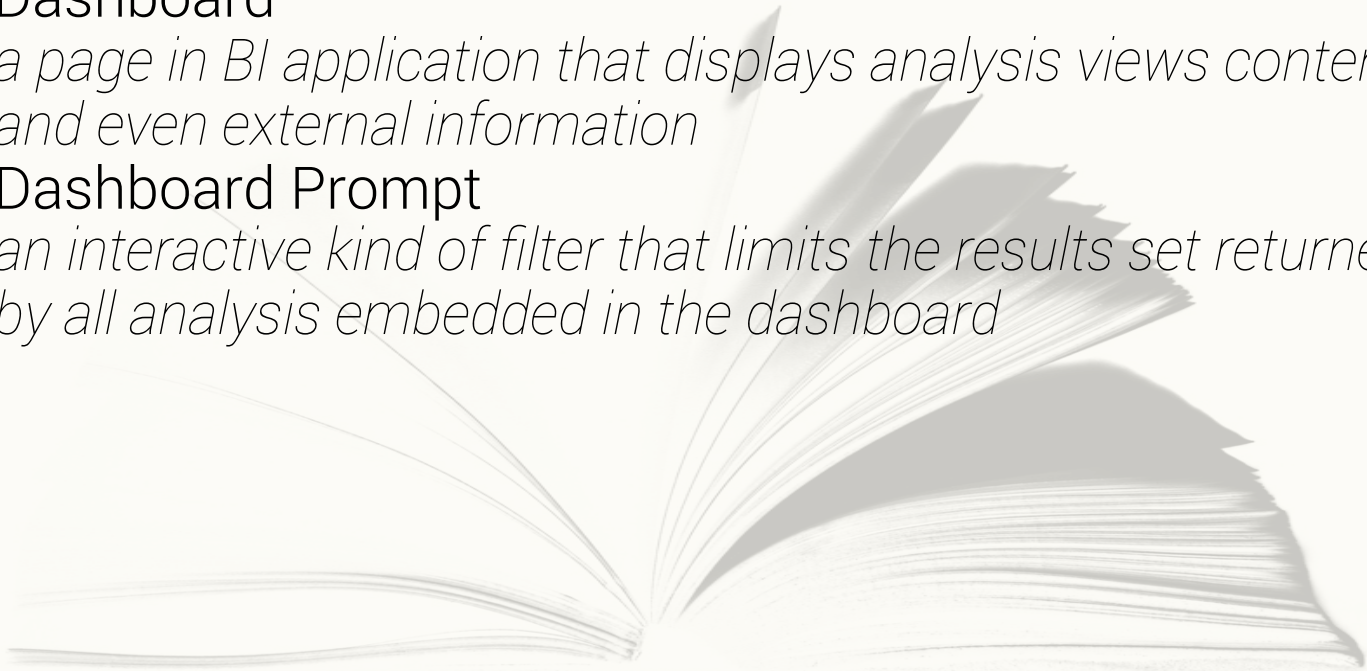Dashboard Prompts
Advanced Features

KEY TERMS

1. Dashboard
   a page in BI application that displays analysis views content and even external information
2. Dashboard Prompt
   an interactive kind of filter that limits the results set returned by all analysis embedded in the dashboard

CREATING A DASHBOARD

DASHBOARD

DASHBOARD

CREATING A DASHBOARD PROMPT

DASHBOARD PROMPT

DASHBOARD PROMPT

Make the analysis listen to the Dashboard Prompt

DASHBOARD PROMPT

Academic Year, Campus and Course Name are prompted

ADVANCED FEATURES

1. Map View
   a way of presenting Analysis results in a context of a map. this view allows user to see and manipulate data in spatial form.
2. Briefing Book
   a collection of static or updatable snapshot of dashboard pages and individual analyses
3. Scorecard and Key Performance Indicator
   intended for strategic goals across the organization and monitoring their performance overtime
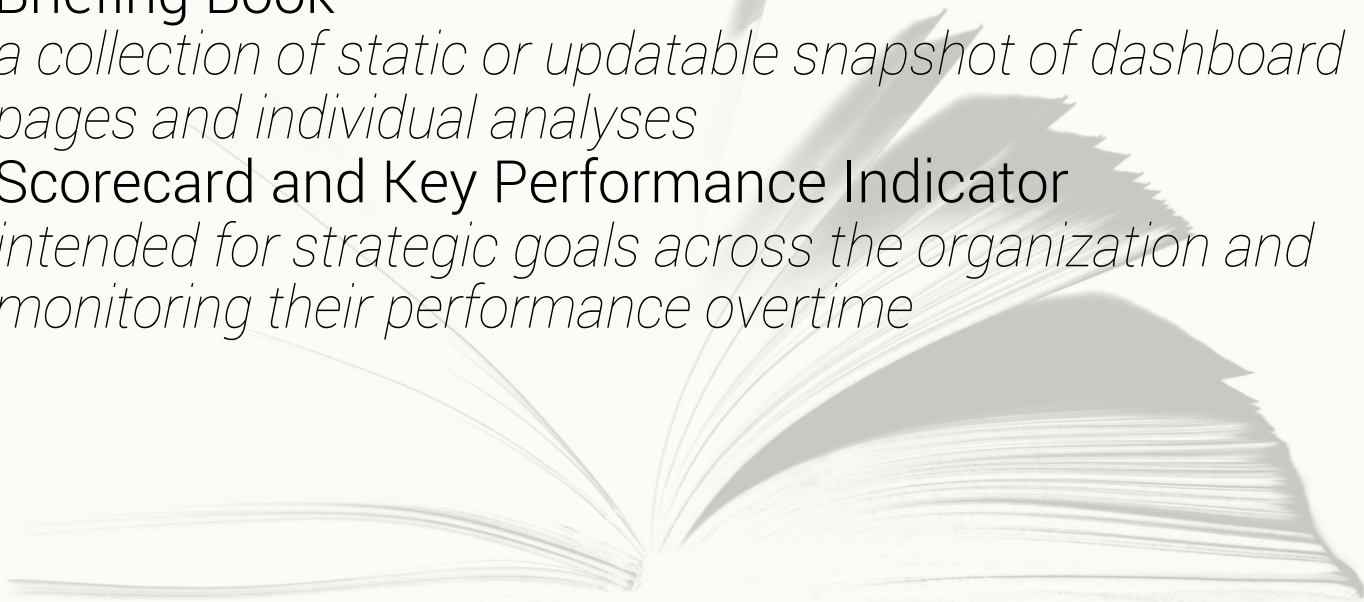
ADVANCED FEATURES

1. Mobile Component and Designer
   provides mobile access on OBIEE content on iOS mobile devices
2. BI Alerts – Delivers
   users can create Intelligent Agents to detect important and urgent information and deliver those information through wide range of devices (email, phone)
3. Integration with MS Office
   an add-in that enables user to access and run analyses directly within Microsoft Office applications
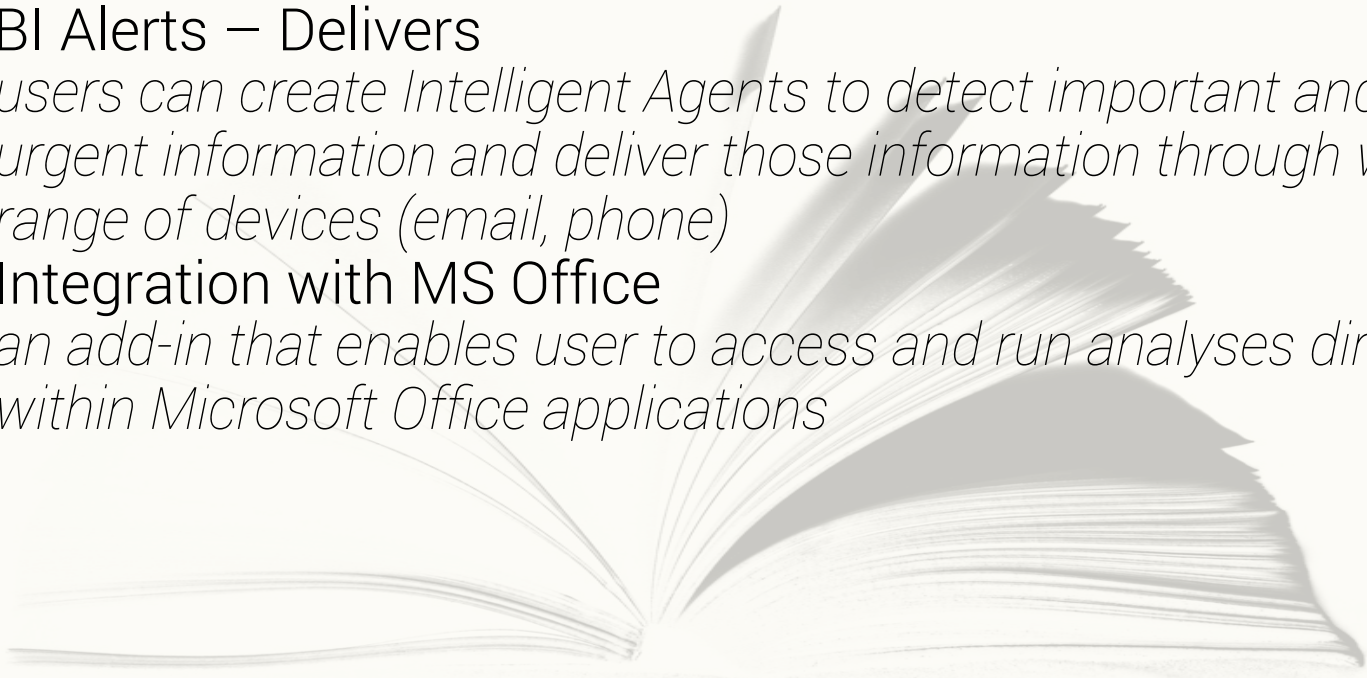
OTHER RESOURCES

1. Oracle Technology Network
   Oracle® Fusion Middleware Basics Guide for Oracle Business Intelligence
2. Oracle University Courses on Oracle Business Intelligence
   Create Analyses and Dashboards
   Building Repositories
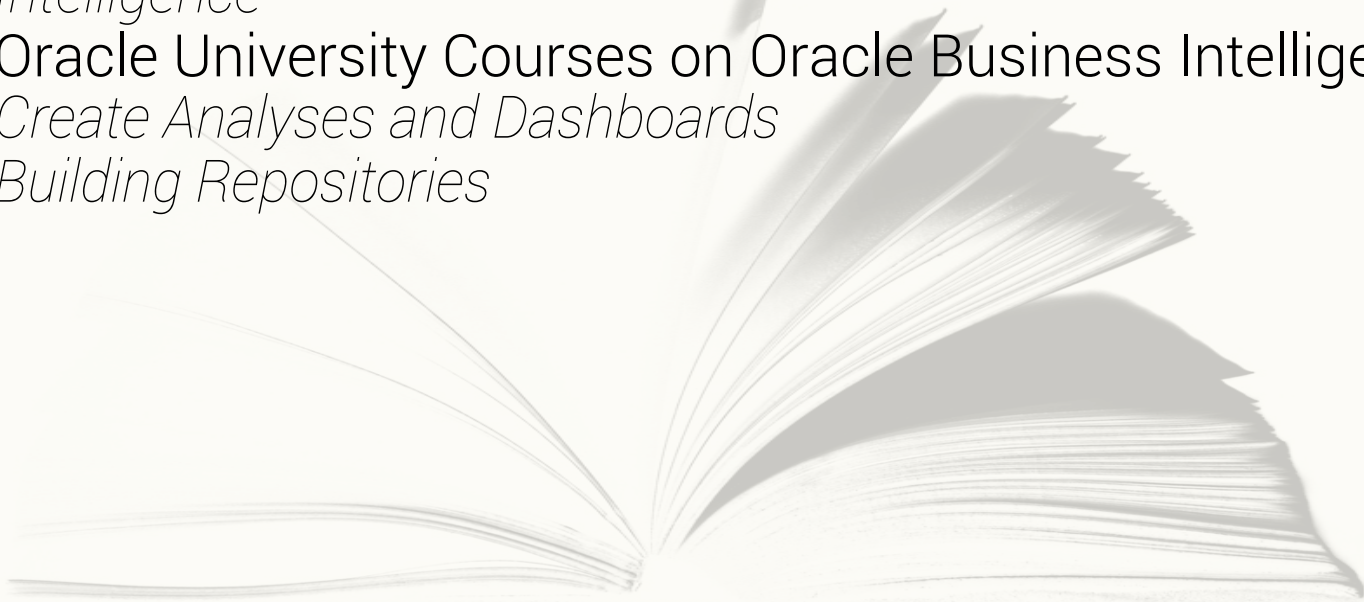
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THANK YOU!