

OBIEE

Front End Customizations

Agenda

- 1) AnalyticsRes (3 min)
Level: Beginner – Intermediate
- 2) Web Development Tools (10 min)
Level: Intermediate – Advanced
- 3) Message Files (10 min)
Level – Beginner
- 4) CSS Modifications (10 min)
Level – Intermediate
- 5) jQuery UI Datepicker (20 min)
Level - Advanced

AnalyticsRes

- Ref:
<http://www.oracle.com/technetwork/middleware/bi/customizing-oracle-biee-11g-176387.pdf>
 - How to Deploy AnalyticsRes
 - Basic CSS Customizations
 - Working With Messages Files
- Separates customizations from core skin and style that are subject to change in new versions

Web Development Tools

- Firefox Firebug
 - Find **CSS files and selectors** used for specific page elements
 - View **flow of JavaScript** logic
 - Step through code base
 - Learn which **files and methods** are used for specific user actions
- JavaScript Minifier/Deminifier
 - All JavaScript in OBIEE is minified for performance
 - **Deminify** during code step through and development and testing
 - **Minify when ready to release**

Message Files

- Contains:
 - **HTML** for sections of Analytics
 - **Page Titles**
 - Controls **global loading** of CSS, JavaScript references
 - Main short phrases and text used across Analytics
- Paths:
 - {MIDDLEWARE_HOME}/Oracle_BI1/bifoundation/web/msgdb/messages
 - {MIDDLEWARE_HOME}/Oracle_BI1/bifoundation/web/msgdb/len/messages
- Use **Firebug** or view source code of page to **identify HTML and text** to search across message files
- Text can be tied to message names

Message Files - Customize

- Setup custom path
 - Valid Paths:
https://docs.oracle.com/cd/E17904_01/bi.1111/e10541/webuicustom.htm#BIESG3438
 - Customize within **customMessages** as desired – must be within customMessages
- Documentation example suggests using custommessages.xml that has all customizations with references to message name. Felt cleaner and easier to manage though to copy over files needing modification.
- {MIDDLEWARE_HOME}/Oracle_BI1/bifoundation/web/msgdb/l_xx/messages → ORACLE_INSTANCE\bifoundation\OracleBIPresentationServicesComponent\cor\application_obipsn\msgdb\l_xx\customMessages\messages
- {MIDDLEWARE_HOME}/Oracle_BI1/bifoundation/web/msgdb/messages → ORACLE_INSTANCE\bifoundation\OracleBIPresentationServicesComponent\cor\application_obipsn\msgdb\l_xx\customMessages\messages

Message Files - Example

Productmessages.xml:

```
<WebMessage name="kmsgProductGeneral"><TEXT>Oracle Business  
Intelligence</TEXT><HTML>Oracle Business  
Intelligence</HTML></WebMessage>
```

CSS

- Lots of modifications can be done in:
ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/analyticsRes/s_CUSTOMSTYLE/b_mozilla_4/common.css
- Use **Firebug** to identify file and selectors

CSS - Examples

common.css:

- .HeaderTopBar** padding -14px 0px;
- .uberBarTextMenuButtonSpan** - font-family: Arial, font-size: 14px, letter-spacing: .5px;
- .HeaderContainer** - background-color: gray;
- .HTMLBody** - background-color: gray
- .HeaderBarSeparator** - display: none
- .HeaderTitleBarLeft** - display: none !important
- .HeaderTitleBarRight** - display: none !important
- .HeaderSecondBar** - height: 36px; padding-top: 5px;
- .HeaderMenubarSeparator** - margin: 0 5px;
- .HeaderBrandName** - remove top: 2px
- .HeaderTitleBarCaption** - background-color: gray; color: white;

jQuery DatePicker

- Example of somewhat simple changes to use common JavaScript libraries at a global level
- Review whitepaper for Instructions
- **Caution**: Custom changes are subject to be altered with patches/releases