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IG, IR, Veni Vidi Vici



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A diver is shown in silhouette against a deep blue background, swimming horizontally. A large, dense cloud of bubbles is trailing behind the diver, creating a bright, textured wake. The diver's fins and equipment are visible. The text "IG, IR, Veni Vidi Vici" is overlaid in white, centered horizontally and partially covering the diver's body.

IG, IR, Veni Vidi Vici

Overview

	Interactive Report	Interactive Grid
Url	✓	✗
APEX_IR/G	✓	✗
Item Binds	✓	✓
JavaScript	✓	✓
Data Dictionary	✓	✓

Interactive Report

Interactive Report

- ❖ Setting a Filter
- ❖ Calling a Saved Report
- ❖ Resetting IR
- ❖ Getting the "View" mode
- ❖ Debug
- ❖ Getting the SQL
- ❖ Data Dictionary



8.4.3 Linking to Interactive Reports

Unlike classic reports which typically use page items as report parameters, the data in an interactive report is driven by declarative filters. However, the developer may want to set these report parameters by modifying interactive report settings for an end user. These settings only affect the end user's working report and do not affect any saved report settings. Use the syntax described in this section in the **Request** value and **ItemNames** section of the URL to link to interactive reports.



Note:

When you add additional interactive report regions, be sure to change the old single interactive report link syntax. Otherwise, the link generates an error. A link to a page with more than one interactive report regions, the request or name syntax needs to fully qualify with region static ID.

- **Request Syntax**
- **Name and Value Syntax**
- **ClearCache Syntax**
- **Restrictions When Linking to Interactive Reports**
- **Valid Linking Examples**
- **Invalid Linking Examples**
- **Linking to Shared Interactive Reports**

12 APEX_IR

The **APEX_IR** package provides utilities you can use when programming in the Oracle Application Express environment related to interactive reports. You can use the **APEX_IR** package to get an interactive report runtime query, add filters, reset or clear report settings, delete saved reports and manage subscriptions.

- **ADD_FILTER Procedure Signature 1**
- **ADD_FILTER Procedure Signature 2**
- **CHANGE_SUBSCRIPTION_EMAIL Procedure**
- **CHANGE_REPORT_OWNER Procedure**
- **CHANGE_SUBSCRIPTION_EMAIL Procedure**
- **CHANGE_SUBSCRIPTION_LANG Procedure**
- **CLEAR_REPORT Procedure Signature 1**
- **CLEAR_REPORT Procedure Signature 2**
- **DELETE_REPORT Procedure**
- **DELETE_SUBSCRIPTION Procedure**
- **GET_LAST_VIEWED_REPORT_ID Function**
- **GET_REPORT Function**
- **RESET_REPORT Procedure Signature 1**
- **RESET_REPORT Procedure Signature 2**

ORACLE

Application Express

App Builder

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Team Development

Packaged Apps

Workspace Utilities

Application Express Views

Report View

Tree View

Q

Go

Actions

Row text contains 'Interactive Report'

View	Comment
APEX_APPLICATION_PAGE_IR	Identifies attributes of an interactive report
APEX_APPLICATION_PAGE_IR_CAT	Report column category definitions for interactive report columns
APEX_APPLICATION_PAGE_IR_CGRPS	Column group definitions for interactive report columns
APEX_APPLICATION_PAGE_IR_COL	Report column definitions for interactive report columns
APEX_APPLICATION_PAGE_IR_COMP	Identifies computations defined in user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_COND	Identifies filters and highlights defined in user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_GRPBY	Identifies group by view defined in user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_PIVOT	Identifies pivot view defined in user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_PVAGG	Identifies aggregates defined for a pivot view in user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_PVSRT	Identifies sorts defined for a pivot view in user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_RPT	Identifies user-level report settings for an interactive report
APEX_APPLICATION_PAGE_IR_SUB	Identifies subscriptions scheduled in saved reports for an interactive report

Interactive Grid

Interactive Grid

- ❖ Setting a Filter
- ❖ Calling a Saved Report
- ❖ Resetting IG
- ❖ Getting the "View" mode
- ❖ Debug
- ❖ Getting the SQL
- ❖ Data Dictionary



Report View

Tree View

Q

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Go

Actions ▼

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Row text contains 'Interactive Grid'

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View ↑≡	Comment
APEX_APPL_PAGE_IGS	Interactive grid definitions
APEX_APPL_PAGE_IG_COLUMNS	Interactive grid column definitions
APEX_APPL_PAGE_IG_COL_GROUPS	Interactive grid column group definitions
APEX_APPL_PAGE_IG_RPTS	Interactive grid report definitions
APEX_APPL_PAGE_IG_RPT_AGGS	Interactive grid report aggregate definitions
APEX_APPL_PAGE_IG_RPT_CHT_COLS	Interactive grid report chart column definitions
APEX_APPL_PAGE_IG_RPT_COLUMNS	Interactive grid report column definitions
APEX_APPL_PAGE_IG_RPT_COMPUTES	Interactive grid report computed column definitions
APEX_APPL_PAGE_IG_RPT_FILTERS	Interactive grid report filter definitions
APEX_APPL_PAGE_IG_RPT_HIGHLTS	Interactive grid report highlight definitions
APEX_APPL_PAGE_IG_RPT_VIEWS	Interactive grid report view definitions

Packaged App: Sample Reporting

Use Cases

Drill Down Report

Report Highlighting

Interactive Report Query API

Linking to Interactive Reports

Bind Variables

Filtering

Non-Tabular Templates

Column Format Masks

Custom Buttons

Reporting from Collections

Drill Down Report



Includes drill down links from one interactive report to another.

Report Highlighting



Shows how to use the built in row and column highlighting capabilities of Interactive Reports.

Interactive Report Query API



This example shows how to call an Oracle Application Express (APEX) runtime API to get the SQL statement that corresponds to the current user's interactive report filters and use this to drive a chart on another page.

Linking to Interactive Reports



Shows how to link to an interactive report, including syntax to clear settings, reset settings, call named reports, pass filters, etc.

Bind Variables



Shows how to filter an interactive report using a bind variable which derives its value from an Oracle Application Express (APEX) page item.

Filtering



Filter classic report results using a left hand side-bar control region. Uses bind variable references to properly constrain the report.

Q&A

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Consulting, Development, Training

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