Advanced Query

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About your Presenter

- PeopleSoft Experience: 15 years
  - 5 years as a customer
  - 10 years with Oracle

- Conference presenter: 10 years

- Author: 3 books
  - PeopleTools
  - Lifecycle Management
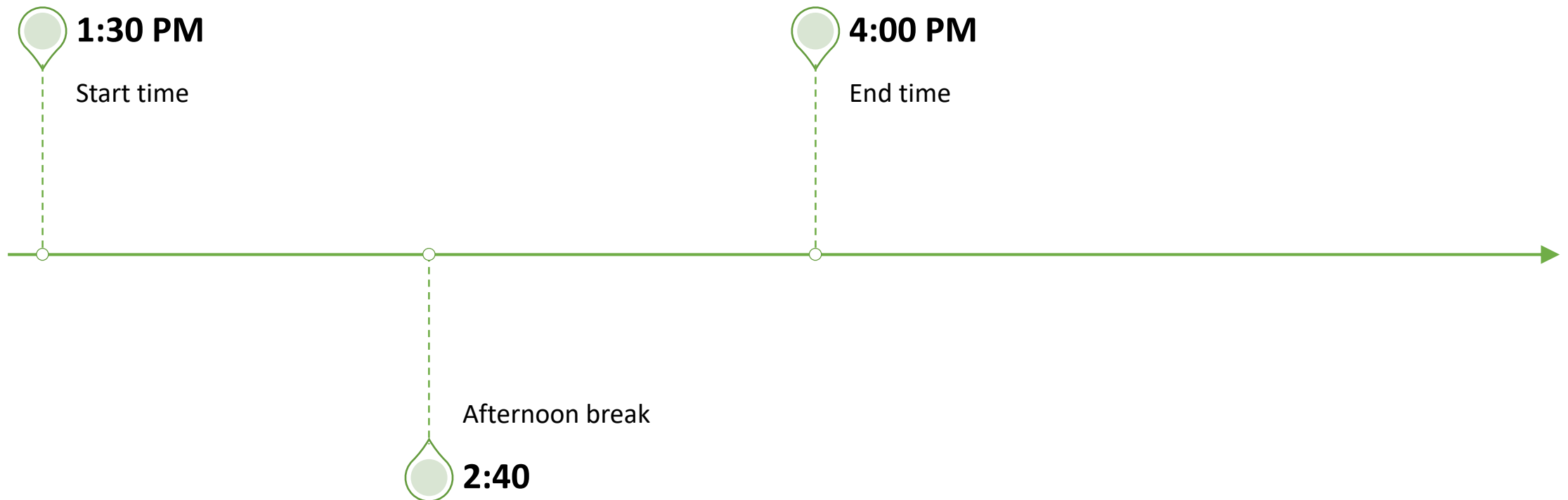 - PeopleSoft Mobile

jsmpros

VIRTUAL & ONSITE TRAINING

**PeopleTools
Training Led by
Industry Experts**

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Logistics

1:30 PM

Start time

4:00 PM

End time

Afternoon break

2:40

Agenda

- Drillable URL Expression

- Image Properties

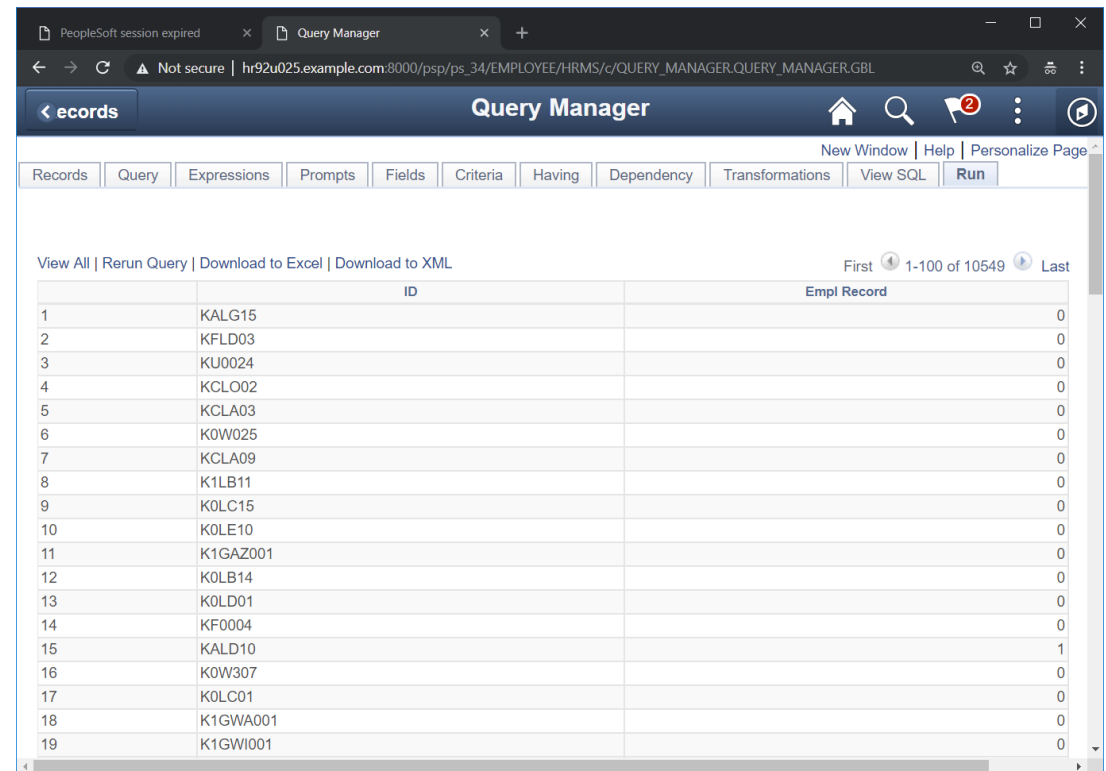- Composite Query

Why Query? Data Source for the Following

1. Keyword search framework (Elastic and SES)
2. Pivot Grids
3. Fluid search pages (Pivot Grids or Keyword search)
4. BI Publisher
5. Pagelets (Homepages and WorkCenters)
6. Custom processes (PeopleCode API)?
7. AWE User Lists
8. Anything else?

Drillable URLs

Actionable Queries

Creating the Base Query

- Reporting Tools > Query > Query Manager

- Create a new Query from record **JOB**

- Select the following fields:
  - EMPLID
  - EMPL_RCD

- Relational join JOBCODE_TBL

Criteria: Employees Paid Below Minimum

- Add Criteria to the JOB (A record) ANNUAL_RT field

- Operator: Less than

- Right-hand side: SAL_RANGE_MIN_RATE (B record)

Drilling URL: Job Data component

- Add a Drilling URL expression

- When prompted, select Component URL

- Portal: EMPLOYEE, Node: HRMS, Content Reference: Workforce Administration > Job Information > Job Data
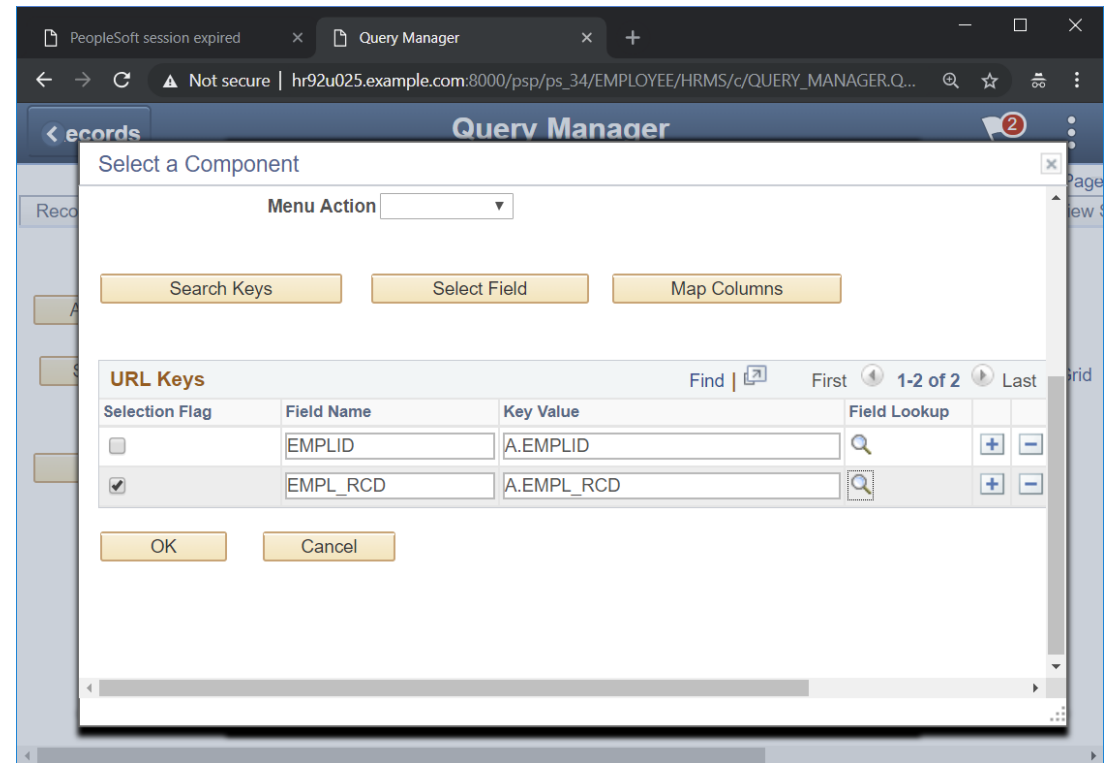
Drilling URL: Search Keys

- To map data from the query into component search keys, click the Search Keys button

- In the grid below, check the Selection Flag checkbox and then select a query column
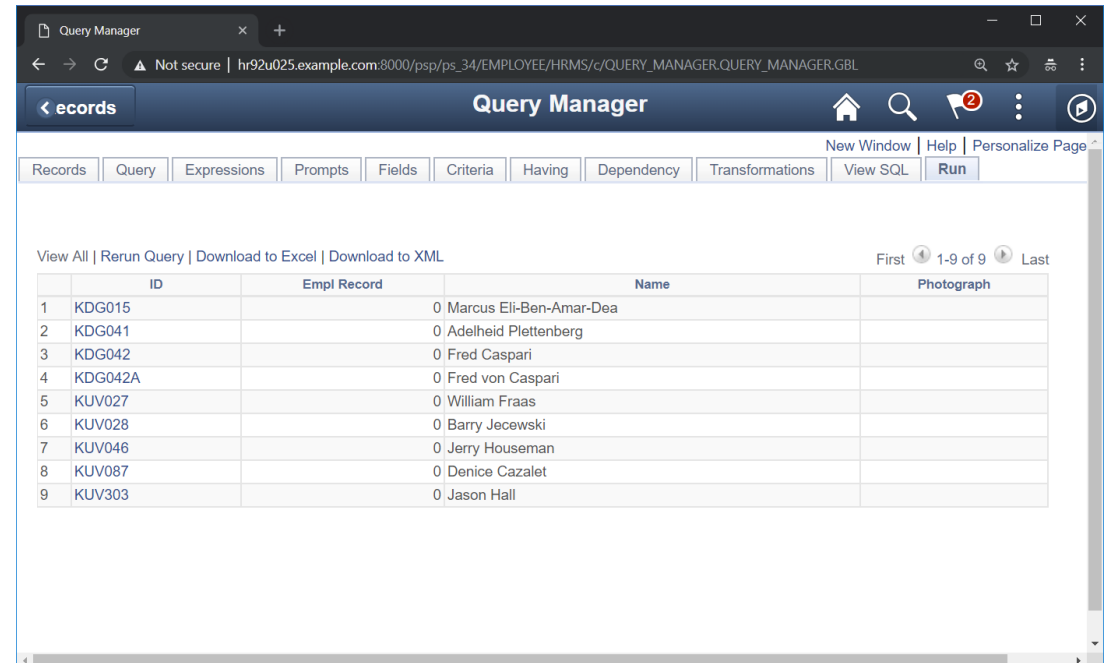
Drilling URL: Map Columns

- To turn a column into a Drilling URL, click the **Map Columns** button

- Place checkmark into the appropriate column

- Click OK and OK to close the expression builder

- Run the query to test it

- The EMPLID should now launch Job Data and bypass search
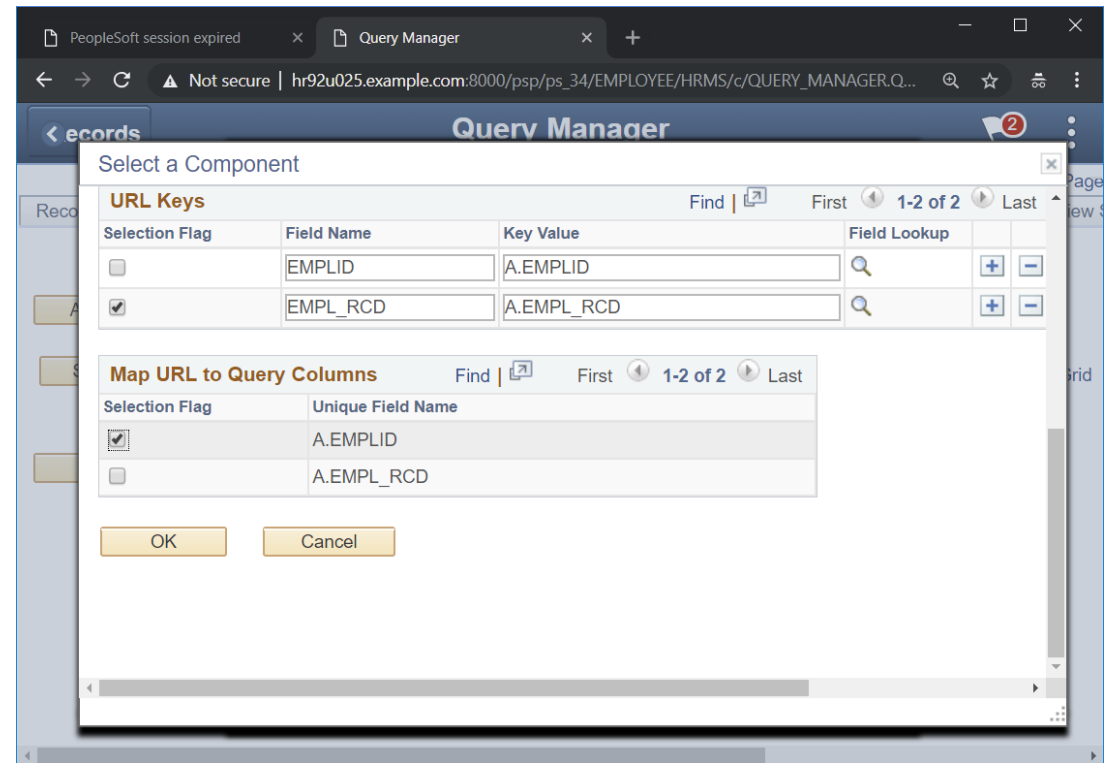
Images

Employee Photo

- EOAW_FLPHOTO_VW contains employee photos
- Add this record into query, joining on A.EMPLID
- Select the following columns:
  - NAME
  - EMPLOYEE_PHOTO
- Running the query will produce fewer rows (inner join) and no photo

Image Field Properties

- To render an image, change the **Image Fields** query property to **Image Data**

- Specify a Query Name to continue

- Rerun the query to see photos

- Change Query Properties to Image Hyperlink if using this query as a data source (pagelet wizard, QAS, etc)
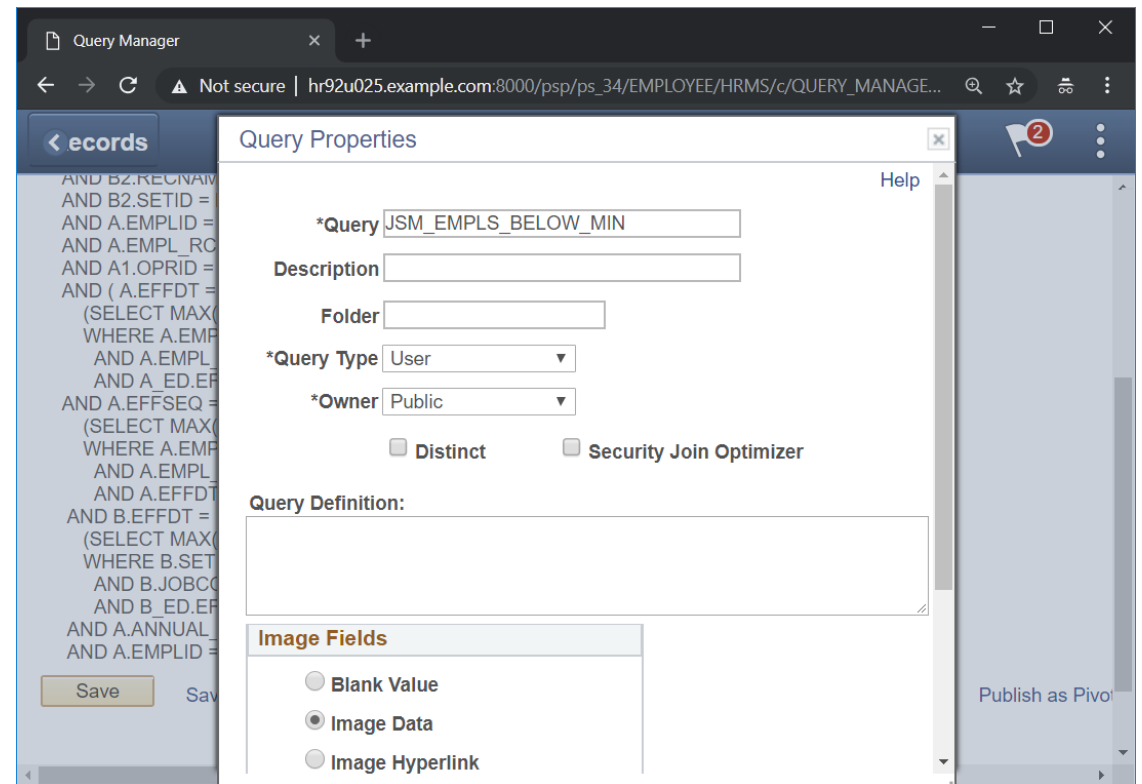
Composite Query

Querying queries

Creating Base Queries

- Create a PUBLIC query named **JSM_JOB** that selects the following fields from JOB
  - EMPLID
  - EMPL_RCD
  - SETID_DEPT
  - DEPT
  - JOBCODE
- Create a PUBLIC query named **JSM_DEPT** that selects the following from DEPT_TBL
  - SETID
  - DEPTID
  - DESCR

Composite Query Foundation Queries

- Reporting Tools > Composite Query > Composite Query Manager
- Add a New Value
  - Name: JSM_COMPOSITE
  - Query 1: JSM_JOB
  - Alias 1: J1
  - Query 2: JSM_DEPT
  - Alias 2: D1

Composite Query Joins

- Change the Join type to **Left Outer Join**
- Join DEPTID to DEPTID
- Join SETID_DEPT to SETID

Composite Query Fields

- Select the following fields:
  - EMPLID
  - EMPL_RCD
  - DEPTID
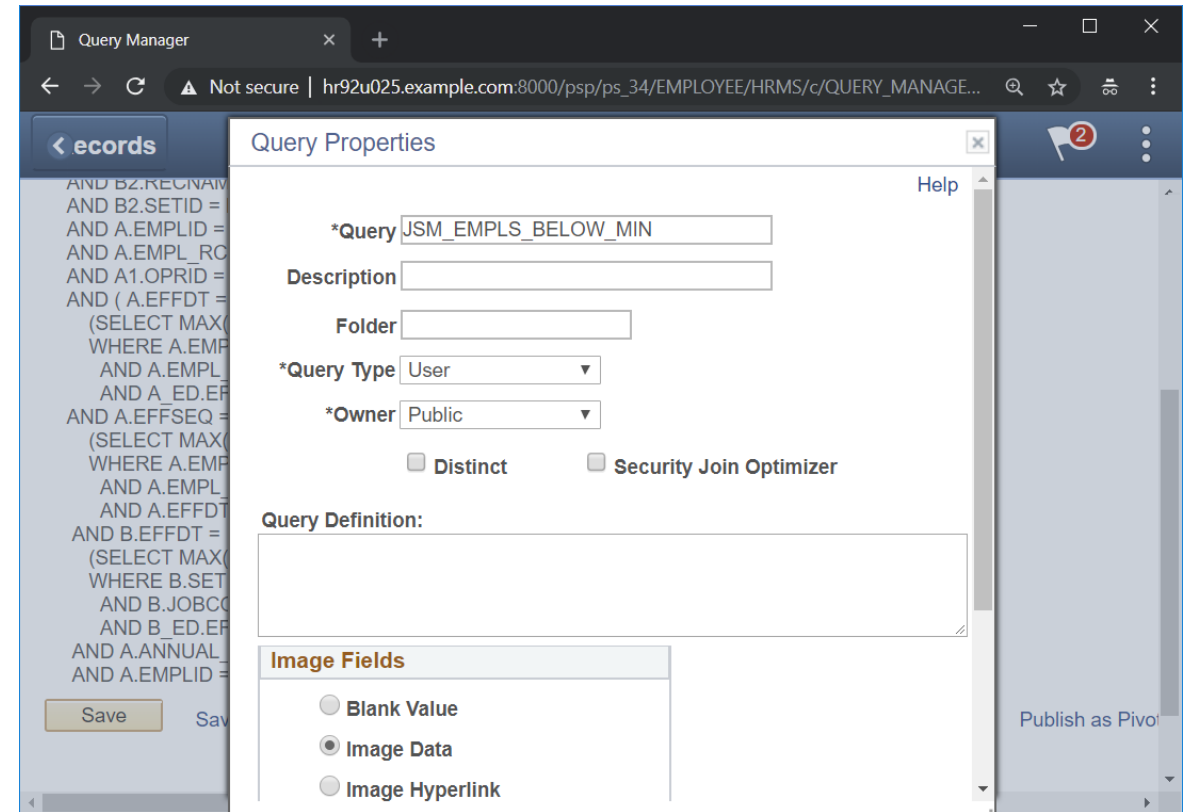 - DESCR
- Use the Gear menu to Run/Preview

SQL and Pruning

- Switch to SQL View
- Use the Pruning option to change the SQL
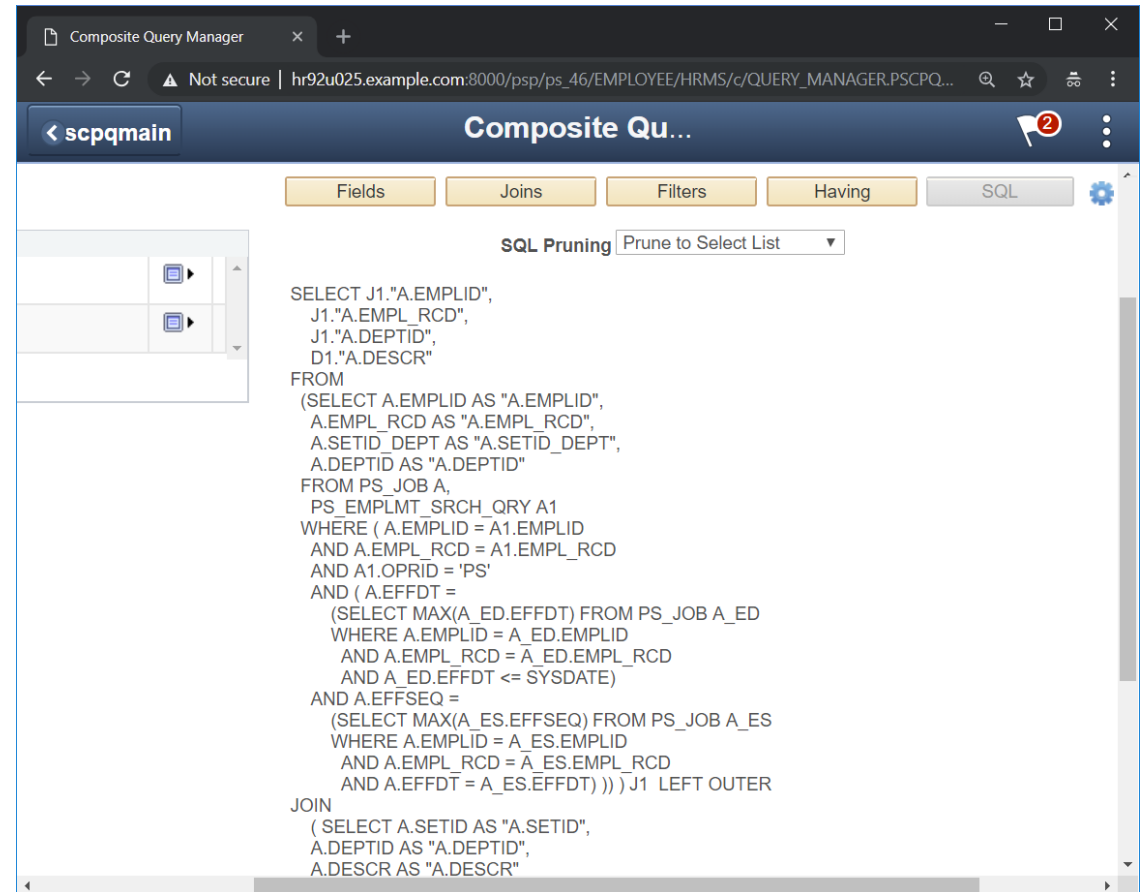
Drillable URLs

- Use the Actions menu in the upper left to add a Component Drilling URL

- Configure the drill to point to the Job component

- Map data from the query into search keys

Q&A