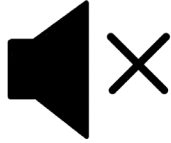


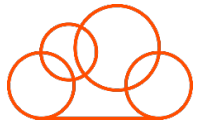
Enterprise Data Catalog 10.5 EDC Advanced Scanner

Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available on our **INFASupport YouTube channel** and **Success Portal** - where you can download the **slide deck** for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

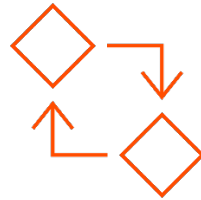
Feature Rich Success Portal



Bootstrap trial and
POC Customers



Enriched Customer
Onboarding
experience



Product Learning
Paths and Weekly
Expert Sessions



Informatica
Concierge



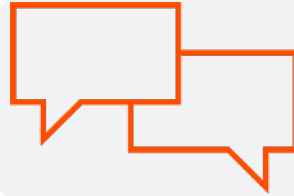
Tailored training and
content
recommendations

More Information



Success Portal

<https://success.informatica.com>



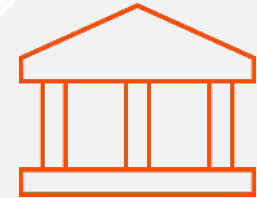
Communities & Support

<https://network.informatica.com>



Documentation

<https://docs.informatica.com>



University

<https://www.informatica.com/in/services-and-training/informatica-university.html>

Safe Harbor

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Statements made today are based on currently available information, which is subject to change. Such statements should not be relied upon as a representation, warranty or commitment to deliver specific products or functionality in the future.

Speaker



Devashish Sharma

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Informatica®



Tomasz Czeleń

Director, Advanced
Customer Engineering



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Data Lineage

A Business Imperative



Data lineage traces data from source to destination, covering the entire lifecycle of data. It includes information about changes to data during its journey.

- Regulatory Compliance
- Data Quality
- Data Governance
- Data Analytics
- Data Privacy and Security

Data Lineage

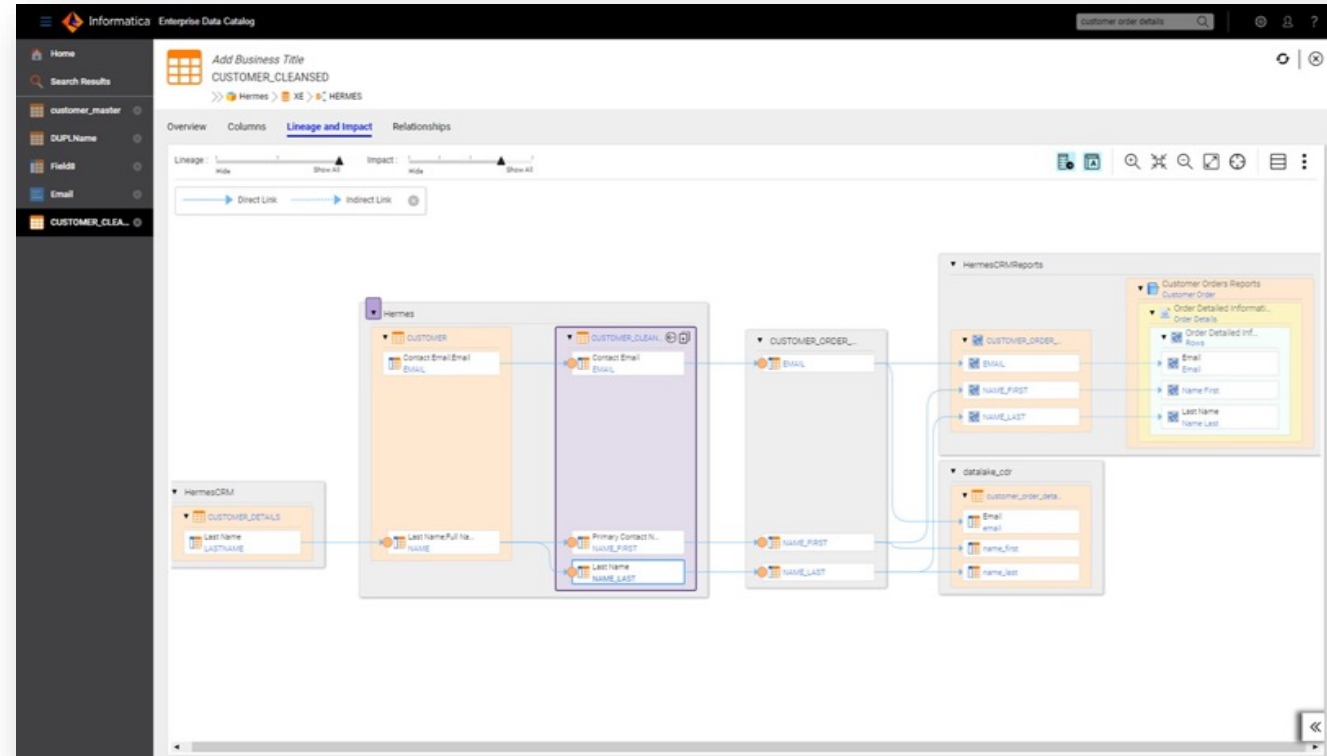
The Foundational Use Case

Increasingly “IT” use cases are coming to the forefront...

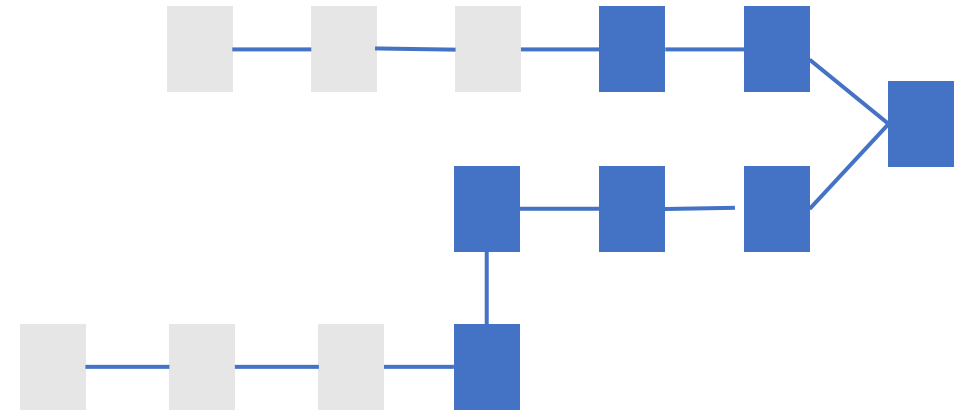
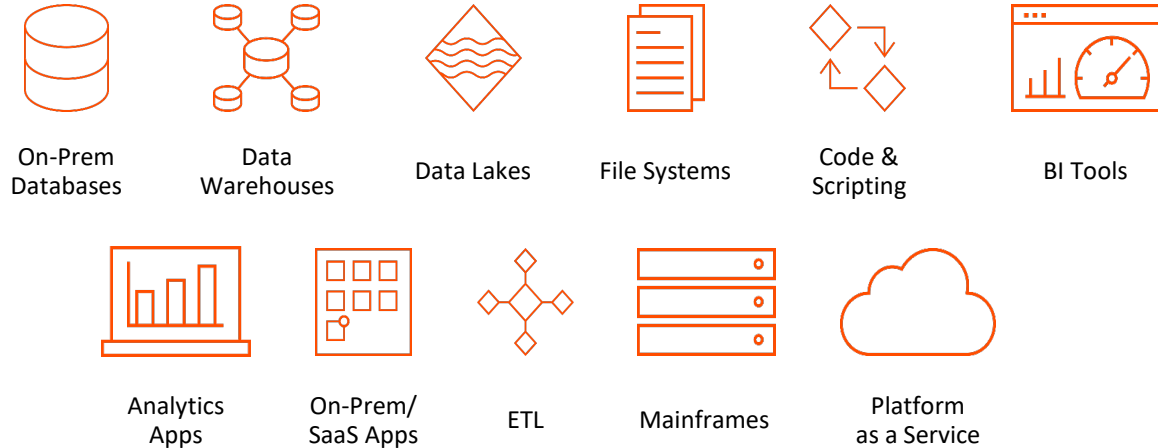
- **DEV OPERATIONS:** Change management and impact analysis—what-if analyses for changes
- **OPERATIONAL EFFICIENCY:** Eliminate proliferation, duplication, data silos, reduce costs
- **DW/APPS MODERNIZATION:** Complete understanding of the data landscape to enable app modernization and cloud migration

...and AI use cases

- **EXPLAINABLE AI AND AI GOVERNANCE:** Track and assess data used to train models, govern AI projects, and support explainable AI. Ensure training data variety



Technical Challenges



It's difficult and nearly **impossible to catalog all our enterprise data** including legacy on-premises systems and newer cloud enterprise and analytic applications

The ability to understand data through **data lineage is typically incomplete** (there exist black boxes) especially for scripts, code, legacy mainframe systems, multi-vendor ETL tools and BI applications

Enterprise Data Catalog Powered by

CLAIRE™

Intelligent and Automated Data Discovery, Data Lineage and Data Value



Analytics



Data Governance



Master Data Management



Cloud Modernization



Metadata Intelligence



Data Integration



Data Quality

Breadth of Use Cases

- Discovery
- Profiling
- Lineage
- Impact Analysis

- Semantic Search
- Domain Discovery
- Similarity Clustering
- Business Term Association



Enterprise Data Catalog

Metadata System of Record
for The Enterprise

- Relationships
- PK-FK Discovery
- Business Context
- Custom Annotations

- Reviews/Ratings
- Questions/Answers
- Data Certifications
- Change Notifications

Knowledge Graph + AI/ML



CLAIRE™



Breadth of Active Metadata



On-prem Databases



File Systems



BI Tools



On-prem/SaaS Apps



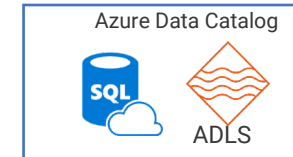
ETL



SAP



amazon web services

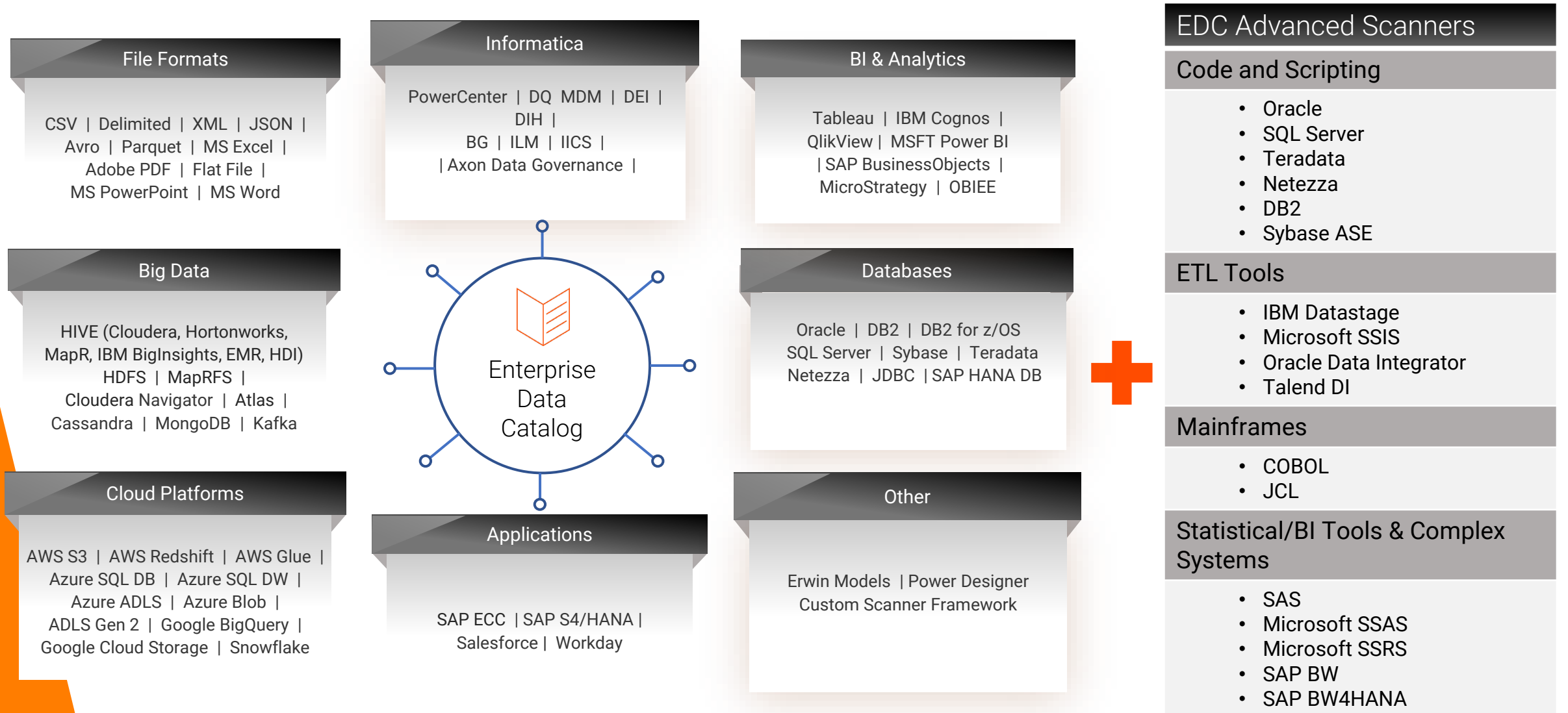


Azure



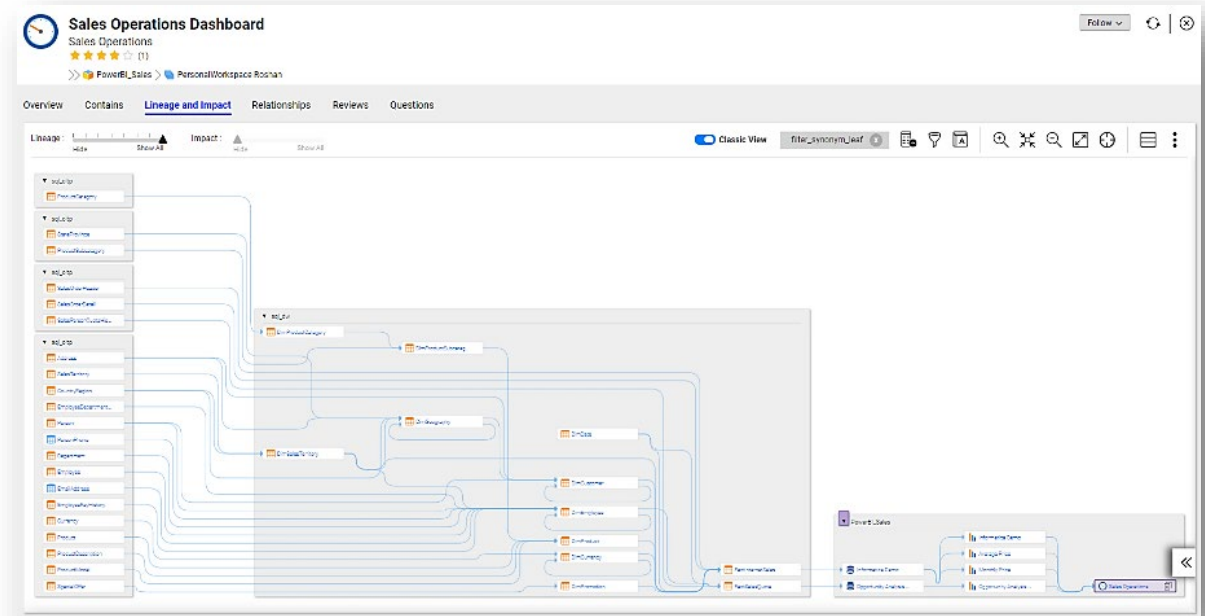
Google Cloud

Broadest And Most Complete Metadata Connectivity



Enterprise Data Catalog Advanced Scanners

- Automated extraction of **deep metadata** and **detailed lineage** from complex enterprise systems
- Automated **parsing of code** from stored procedures in databases and multi-vendor ETL tools—both **static and dynamic code**
- **Complete visibility** into procedure calls with parameter tracking, and dynamic SQL generation based on parameter values

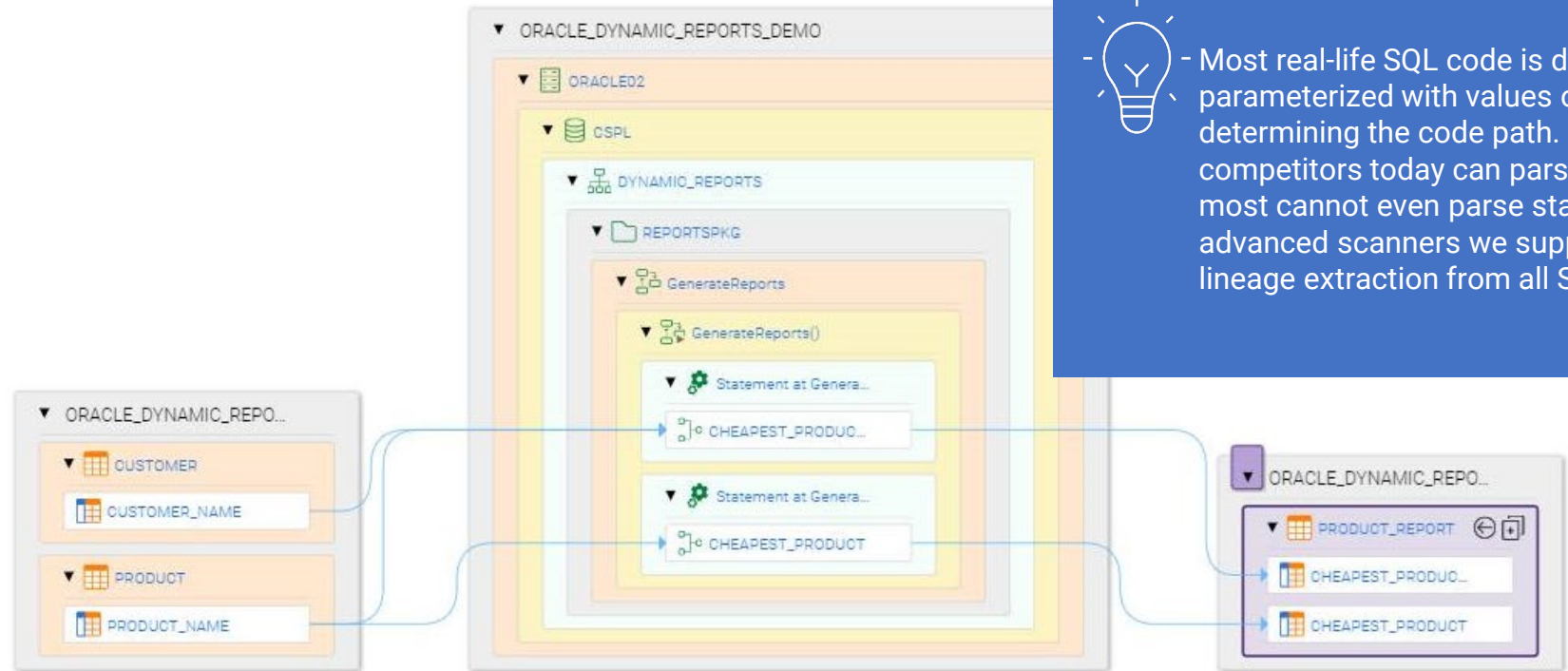


Derive Lineage from the most complex code

```
create table ReportDefinition ( ReportTable varchar(100), ReportCode varchar(100));
insert into ReportDefinition values ('CustomerReport', 'TotalNumberOfDepartments');
insert into ReportDefinition values ('CustomerReport', 'MaxNumberOfDepartments');
insert into ReportDefinition values ('ProductReport', 'CheapestProduct');
insert into ReportDefinition values ('ProductReport', 'CheapestProductCode');
// Expected Results
// Table "CustomerReport" with Columns: "TotalNumberOfDepartments", "MaxNumberOfDepartments"
// Table "ProductReport" with Columns: "CheapestProduct", "CheapestProductCode"
```

```
create or replace package ReportsPkg is
  procedure GenerateReports;
  procedure GenerateReport(vReportTable varchar);
  procedure CreateReportTable(vReportTable varchar);
  procedure GenerateReportColumn(vReportColumn ReportDefinition%ROWTYPE);
  function GetProductCode(vProductName varchar, vCustomerName varchar) return varchar;
end;
```

```
procedure GenerateReports is
begin
  for row in (select distinct ReportTable from ReportDefinition) loop
    CreateReportTable(row.ReportTable);
    GenerateReport(row.ReportTable);
  end loop;
```



- Most real-life SQL code is dynamic—is heavily parameterized with values of the parameters determining the code path. None of the INFA competitors today can parse dynamic SQL, most cannot even parse static SQL code. With advanced scanners we support accurate data lineage extraction from all SQL code.



Deep Lineage visualization with Advanced Scanners

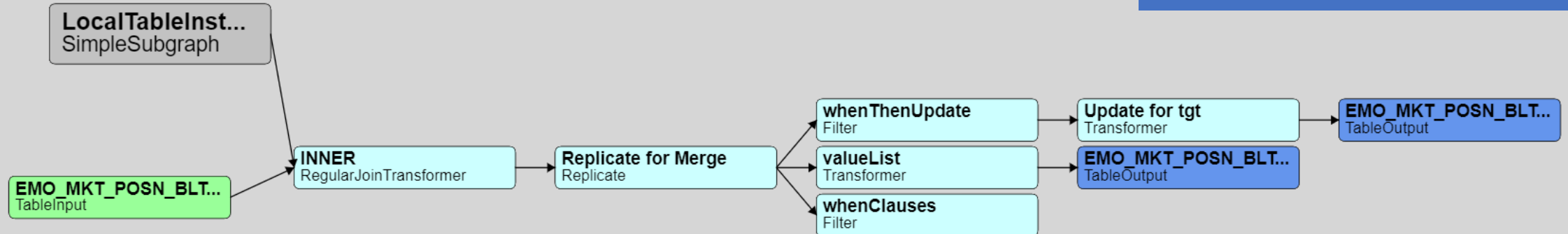
- Advanced lineage visualization with decomposition of SQL statements into individual transformations
- Allow users to analyze Stored Procedures
- Column mapping report including transformation expression



Data Lineage is essential for regulatory compliance, root cause analysis, impact analysis, data migrations to cloud and establishing trust in data. The first three use cases require decomposition of code into understandable chunks. Advanced Scanners break down large blobs of SQL code into a data lineage subgraph for deeper analysis.

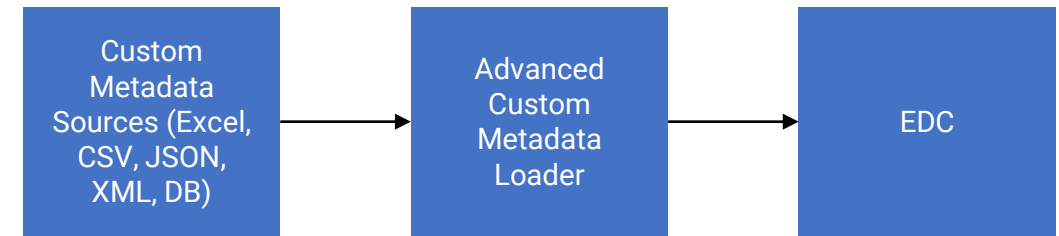
infanode.orcl.DWADMIN.PKG_EMO_ODS_LOAD.emo_mkt_posn_bltrl_ref_load
SimpleSubgraph

SQL
SimpleSubgraph



EDC Advanced Custom Metadata Loader

- Load custom object and lineage metadata into the catalog through a business-friendly process
- Allow ingesting metadata without creating manual models—directly ingest metadata
 - Relational databases
 - Microsoft Excel spreadsheets
 - File formats such as XML, JSON and CSV
- No development required—repeatable after configuration and setup
- Obtain complete auditing and governance control over the entire metadata extraction and loading process



The screenshot displays the 'Custom_Dashboards' interface in Informatica. The main content area is titled 'Resource Contains' and shows a grid of metrics for various assets:

Asset Type	Count
Metrics	19
Employees	7
Teams	6
Data_objects	5
Data_types	4
Technologs	4
Dashboards	3
Departments	2
Reports	2

On the right side, there is a 'People' section with roles like Data Owner, Data Steward, and Subject Matter Experts, all marked as 'not assigned'. Below that, there are sections for 'Classifications' (Customer, Insurance Policy Hierarchy, Test) and 'Business Terms' (Additional Business Terms), also marked as 'not assigned'. A 'Custom Attributes' section is partially visible at the bottom.

Leave No Metadata Behind

- BREADTH—*scan everything you need* including stored procedures, mainframe, ETL, BI, analytical applications, embedded SQL buried everywhere and more
- DEPTH—*scan every single transformation* and every piece of logic, including dynamic SQL, hand-written scripts, database specific load/unload utilities and more
- TRUST—*be sure that you get all the lineage and no surprises* with clear information about every situation when for some reason complete lineage could not be extracted
- INTEGRATION—*lineage is a critical part of the data governance story, but there is more that EDC provides to create a complete data governance platform* like profiling or glossary

Advanced Scanners Integration in EDC10.5

Installer integration

- Binaries part of the Informatica platform
- Deployment of advanced scanner services part of the platform installer wizard

Admin UI integration and configuration simplification

- Automation of creation, execution control of EDC resources from adv. scanner UI
- Default configuration inline with other scanners (transformation logic, etc.)

Native models

- Advanced scanners leverage full EDC feature reusing and extending existing EDC models

Support for EDC features

- Connection less metadata extraction
- Connection assignment with other resources
- Reference objects

Shared license

- Advanced scanners service uses platform license mechanism (license option to be enabled as part of the platform license file)

DEMONSTRATION

Questions?



Thank You