Informatica *World*™

How to Modernize from PowerCenter to IDMC

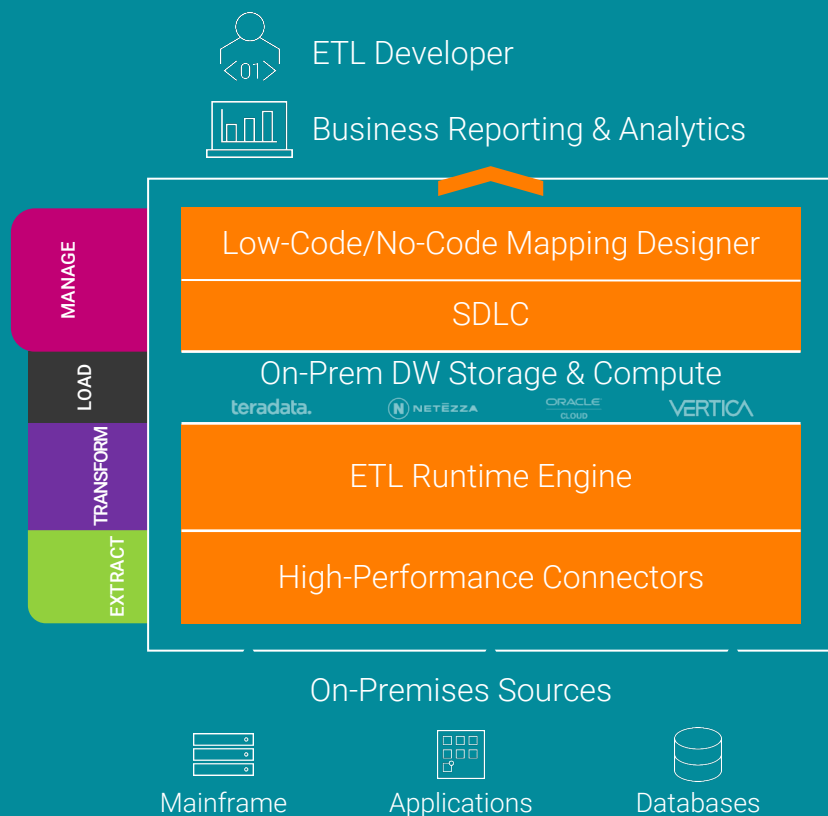**Ron Lunasin**

Sr. Director, Product Management

Agenda

1. Why Modernize from PowerCenter to IDMC

2. Cloud Modernization Solution for PowerCenter

3. Migration Factory Demo
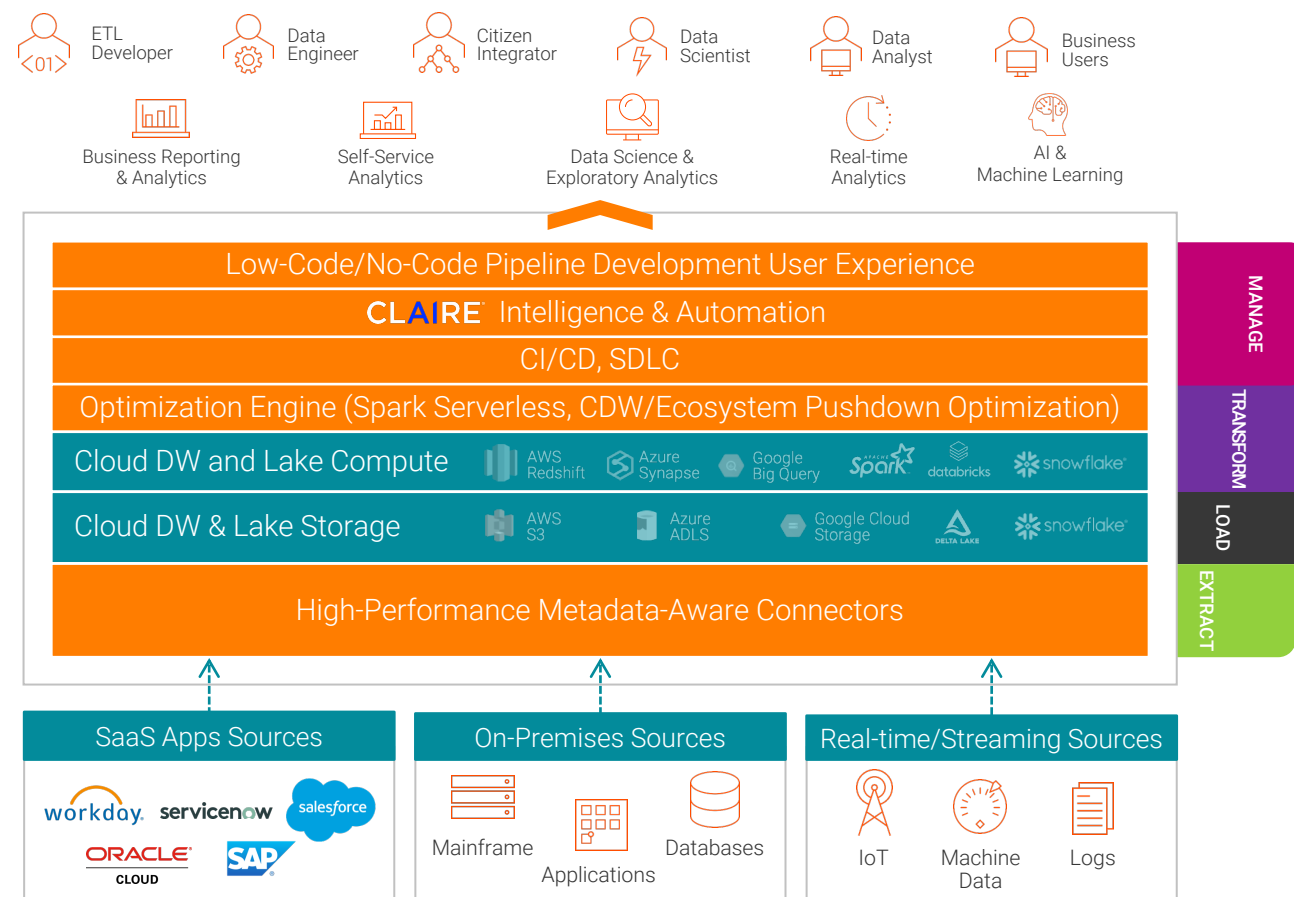
4. Next Steps, Call to Action
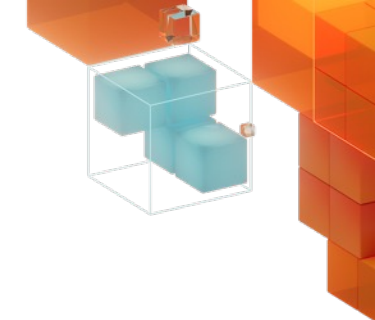
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Why Modernize from
PowerCenter to IDMC

Informatica for
Traditional ETL for Star Schema

ETL Developer

Business Reporting & Analytics

MANAGE	
LOAD	Low-Code/No-Code Mapping Designer
	SDLC
TRANSFORM	On-Prem DW Storage & Compute
	teradata. NETEZZA ORACLE CLOUD VERTICA
EXTRACT	ETL Runtime Engine
	High-Performance Connectors

On-Premises Sources

Mainframe   Applications   Databases

Informatica for
Modern Cloud ELT for Cloud DW/L

ETL Developer   Data Engineer   Citizen Integrator   Data Scientist   Data Analyst   Business Users

Business Reporting & Analytics   Self-Service Analytics   Data Science & Exploratory Analytics   Real-time Analytics   AI & Machine Learning

	MANAGE
Low-Code/No-Code Pipeline Development User Experience	
CLAIRE Intelligence & Automation	TRANSFORM
CI/CD, SDLC	
Optimization Engine (Spark Serverless, CDW/Ecosystem Pushdown Optimization)	
Cloud DW and Lake Compute AWS Redshift Azure Synapse Google Big Query Spark databricks snowflake	LOAD
Cloud DW & Lake Storage AWS S3 Azure ADLS Google Cloud Storage DELTA LAKE snowflake	
High-Performance Metadata-Aware Connectors	EXTRACT

SaaS Apps Sources	On-Premises Sources	Real-time/Streaming Sources
workday. servicenow salesforce ORACLE CLOUD SAP	Mainframe Applications Databases	IoT Machine Data Logs

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PC vs. IDMC Feature Comparison

Functionality	PC	IDMC
Fast unified data ingestion		✓
Spark-based processing		✓
CDW pushdown		✓
EDC integration		✓
Serverless and auto-upgrade		✓
Trusted certifications and secure	✓	✓
Data integration transformation and workflow	✓	✓
High availability	✓	✓
Integrated cloud data quality		✓
Easy install and setup		✓
Hierarchical and unstructured data		✓

IDMC goes beyond PC business outcome parity, setting a new bar for cloud data management.

| Functionality	IDMC	Highlights
Parameter	✓	Connection/Object override, Taskflow API
Transform	✓	SQL Transform – Execute queries, 'Shared' Sequence
Developer Productivity	✓	Mapplets & UDF
Workflow (Taskflow)	✓	Command & Notification task, Subtaskflow, CLI Invocation, File Listener Support
Connectivity	✓	DB2, CDC, Greenplum, MongoDB, Cassandra
Enterprise Capabilities	✓	Dependency view, Versioning – GitHub Integration
Governance	✓	Data Catalog Integration
Basic Connectivity	✓	CRUD operations, Datatypes, Metadata fetch, Access and Authorization
Security and Access	✓	Encryption, Access Management, SSO, Proxy, Key Management, Secured connections, etc.
Pushdown Optimization	✓	Basic pushdown, Extended – Full pushdown, Ecosystem pushdown
Performance and Scale	✓	Partitioning, Spark native, Bulk, Ecosystem specific (native loaders,
Advanced DI	✓	SQL override, Unconnected lookups, data types, Create Target, Dynamic mapping
Multi Pattern	✓	Data Integration, Application Integration, Data Warehousing, Data Lake, Structured and Unstructured Data, Streaming, Change Data Capture, Mass Ingestion
Rich Metadata	✓	Metadata sync, updates, relationships, lineage
Other Enterprise Features	✓	Pre/Post, Compression, Parsing, Partitioning, Parametrization, etc.

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Cloud Modernization
Solution for PowerCenter

CDW Modernization Solution for PowerCenter

Fastest path and lowest risk with Out-of-Box modernization solution
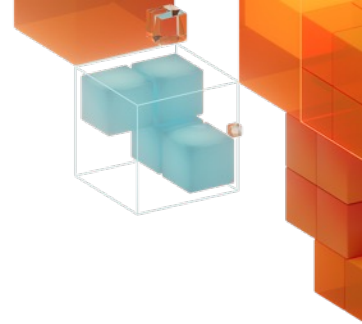
	Package Component	Description
1	Cloud Native Products	**Informatica Intelligent Data Management Cloud (IDMC)** Informatica Processing Unit (IPU) based access to Integration, Quality, Governance
2	Migration Factory	Assessment, Migration and Automation tools
3	Professional Services	IPS or certified SI partner provides services as part of this solution
4	Migration Support	Ongoing support of customer's existing PowerCenter environment through the migration
5	Financial Incentives	Subscription credit against both existing Informatica on-premises maintenance and related Professional Services plus Ecosystem Partner Incentives

Informatica's Migration Factory to Modernize PC to IDMC

10,000+ mappings
5,000+ workflows
10,000+ sessions
1,000+ parameter files
100+ connections
100+ custom scripts
100+ users with access controls
50+ schedulers

Only Informatica understands the assets in both the PC and IDMC repositories and the 150+ PC features that need to be converted to IDMC

PowerCenter
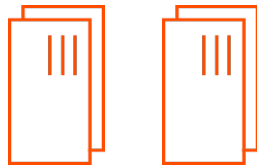
Informatica Cloud Native

Mass Ingestion

Data Integration

Data Integration Elastic

Data Quality

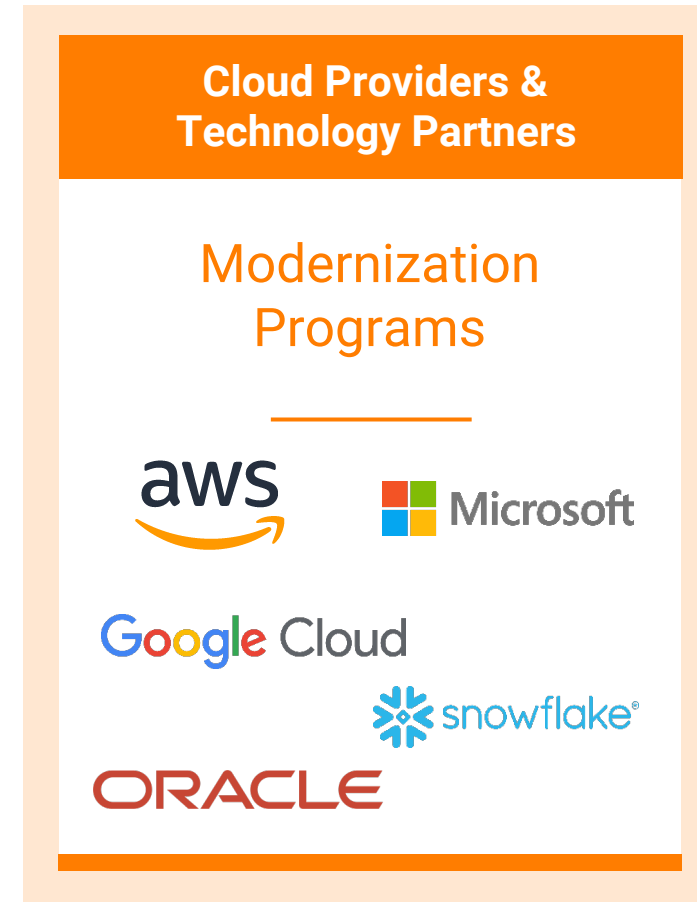| Assess	Prepare	Convert	Validate	Organize	Productionize	Optimize
Scope work	Prepare IDMC environment	Convert PC artifacts to IDMC	Verify converted metadata, data validation and testing	Organize mappings, users, access control	Update schedulers and scripts	Performance tuning and best practices optimization

Effort

5%   65%   20%   10%

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Time Comparisons for Different Approaches

Person Hours per Asset

20X	10X	6X	1X
Manual – Hand Coding	Manual – PC Repointing	Manual – PC to IDMC	Migration Factory PC to IDMC
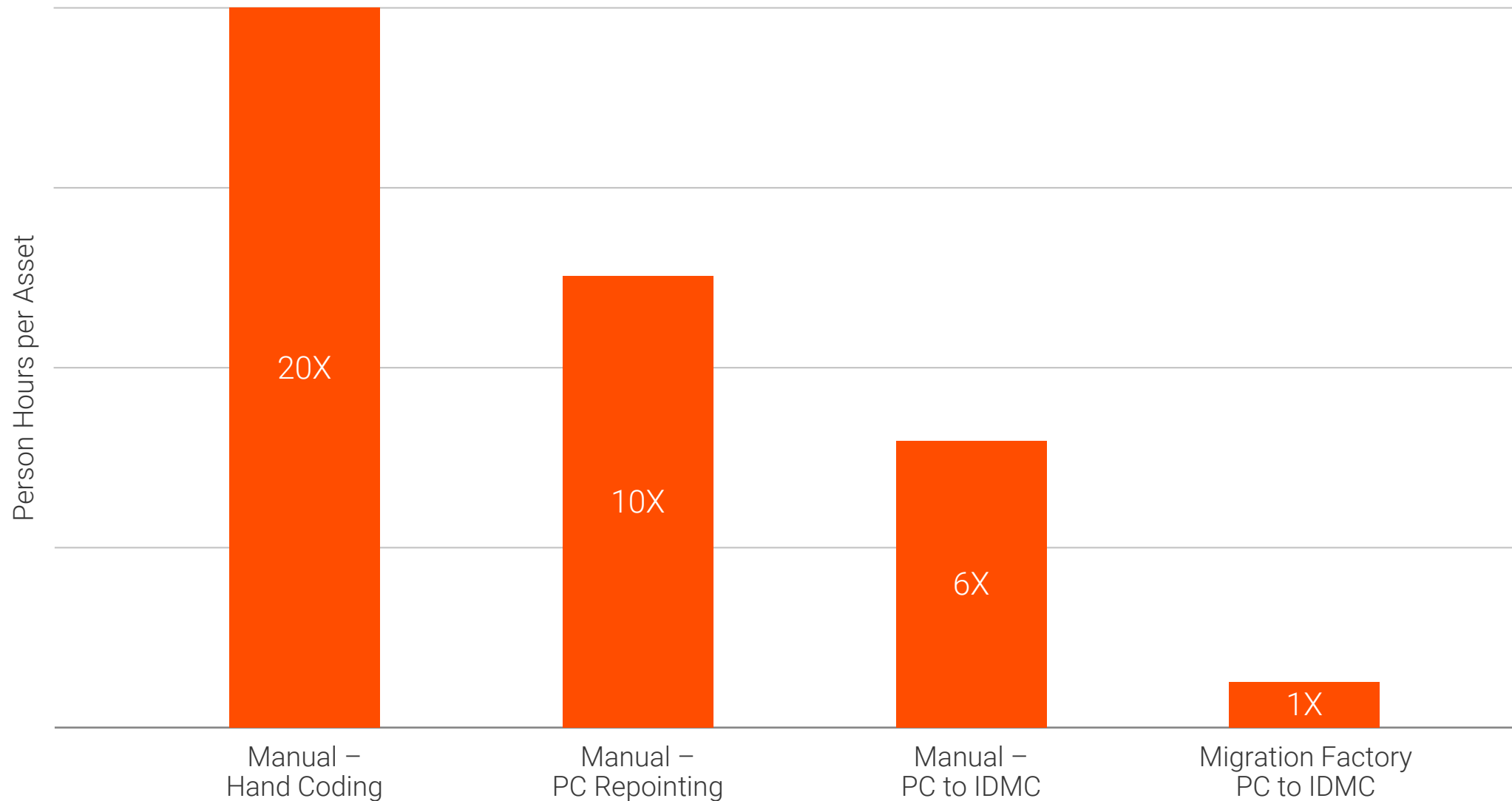
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Cloud Modernization Partners

GSI Partners

Migration Factory Certified

CERTIFICATION
★ ★ ★

Certified on
Migration Factory

accenture

Deloitte.

wipro

Capgemini

Cognizant

Cloud Providers & Technology Partners

Modernization
Programs

aws

Microsoft

Google Cloud

snowflake

ORACLE

Informatica

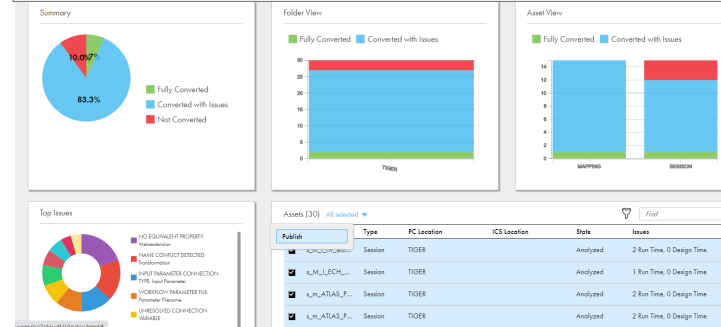# Migration Factory Has Two Phases

Assess

Analyzes all PowerCenter mappings, sessions and workflows

Identifies which assets can be fully or partially migrated to Informatica Cloud

Provides basis for level of effort required for migration
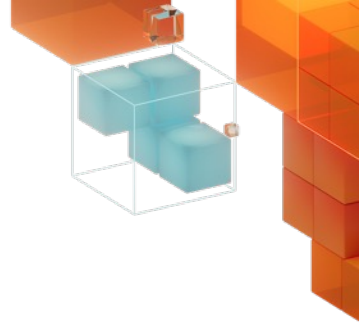
Intelligence

Migrate

Migrates PowerCenter assets to IDMC and repoints mappings from EDW to CDW
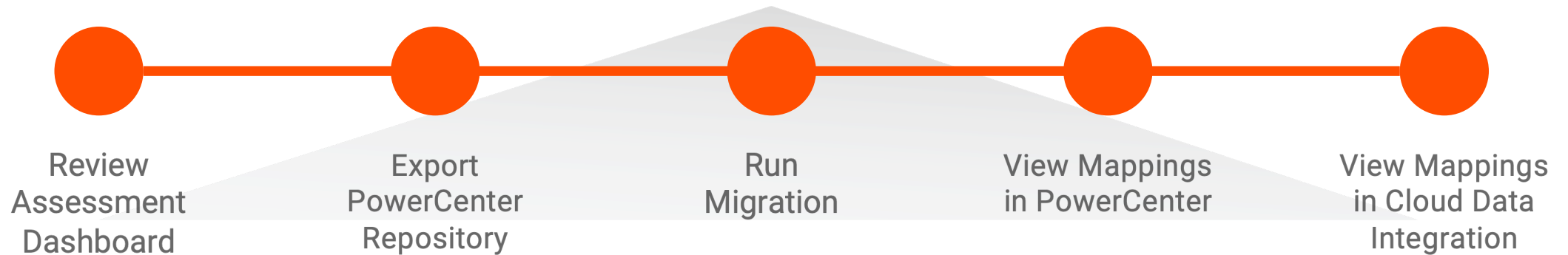
Performs initial migration data load

Unit testing of migrated assets

Automation

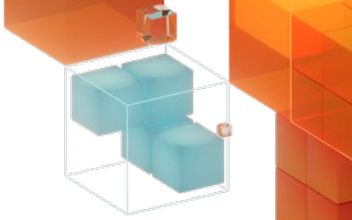# Migration Factory Demo

This is the demo of the Migration Factory. The customer might need an additional demo of IICS itself.

Review Assessment Dashboard

Export PowerCenter Repository

Run Migration

View Mappings in PowerCenter

View Mappings in Cloud Data Integration

CDW Modernization Mappings for PowerCenter

Data Sources | 🔍 📋 ❓ 🔔 | LR

Undo | Redo | ⟵ Revert | ⟳ Refresh | ⏸ Pause   *📊 View: Original | △ Alerts | ∿ Metrics | ✉ Subscribe | ⋘ Share | ⬇ Download | 💬 Comments | 🔲 Full Screen

| Summary | Connections | Connection Repoints | Folder | Mapping | Mapplets | Sessions | Workflows | Flags and Descriptions | SQL Override |

Summary: Assessment Tool 2.0

Last Refreshed: 5/17/2022 11:31:57 AM   ◆ Informatica

Customer	Repository	Folder	Orphan	Last Executed Window	Sprint	Customer Defined Sco...	Config Version	Complexity	Status	Assessment Run Date
▼		(All) ▼	NO ▼	(All) ▼	0 ▼	N/A ▼	2022-05-10-20-05-13 ▼	(All) ▼	Completed ▼	5/10/2022 9:09:57 ... ▼

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Total Assets	Automated	Partial	Manual	Conversion Rate	Total PwC Scanned
910	889	0	21	98%	600

Summary Views

Overall Summary

	Grand Total	Automated	Manual	Partial	Unknown	Conversion ..
Mapping	345	338	7	0	0	98%
Mapplet	8	8	0	0	0	100%
Session	481	481	0	0	0	100%
Workflow	76	70	6	0	0	92%
Grand Total	910	889	21	0	0	98%

Summary View

Mappings and Maplets	Sessions	Workflows and Worklets
Grand Total 353, Automated 338, Manual 15	Grand Total 481, Automated 481, Manual 0	Grand Total 76, Automated 70, Manual 6

■ Grand Total   ■ Automated   ■ Manual

Re-Usable Asset Summary

Parent				Child			
Grand Total	Automated	Manual	Conversion Rate	Grand Total	Automated	Manual	Conversion Rate

Resources & Training

Informatica Success Portal

https://success.informatica.com

Cloud Data Integration for PowerCenter Developers Foundation Level

CERTIFICATION

- Cloud Data Integration for PowerCenter Developers
- IICS Product Learning Paths
- Training & Certifications
- Planning Your Migration
- Best Practices and Guidance
- Expert Webinar Series

CLOUD DATA WAREHOUSE & DATA LAKE JOURNEY MASTER

Informatica Architecture Center

https://www.informatica.com/enterprise-architecture.html

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Success Portal › IICS Primer for PowerCenter Developers

IICS Primer for PowerCenter Developers

Power your business with our Intelligent Informatica Cloud Service

IICS Primer   Get Started: IICS Primer

Overview

For years, Informatica PowerCenter has been the gold standard for on-premises data integration. For many companies and organizations Informatica PowerCenter, together with

Reference Architecture Diagrams

Improve business agility with future-proof reference architectures for your data management initiatives. Developed with expert guidance from Informatica architects and based on our work with customers, they're designed to help you meet the challenges of today's fast-changing business environment and technology landscape.

Architecting for Cloud Data Warehouse and Data Lakes

Cloud Mass Ingestion

Intelligent Data Catalog