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Elevating Data Management: Transitioning from PowerCenter to Cloud-Based Integration with CDI-PC

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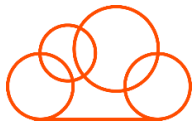
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- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
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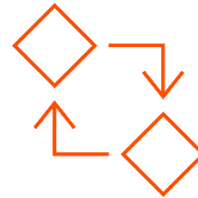
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Agenda

1 Current Challenges of Power Center

2 Industry Trends in Data Management

3 Overview of CDI-PC

4 Comparison Between Power Center & CDI-PC

5 Transition Strategy

6 Q&A

Current Challenges with PowerCenter



Legacy Infrastructure Limitations

Difficulty scaling on-premises systems to accommodate growing data volumes and evolving business needs.



Resource Constraints

High maintenance costs and heavy dependency on specialized IT teams to manage the on-premises platform.



Lack of Agility

Slower adaptation to new data sources, formats, and modern analytics requirements due to the rigid on-premises architecture.



Disparate Environments

Challenges in unifying data integration across hybrid and multi-cloud environments, hindering holistic data management.

The limitations of the on-premises PowerCenter platform highlight the need for a more scalable, flexible, and cloud-based data integration solution to meet the evolving demands of modern data ecosystems.

Benefits of Cloud-Based Data Integration

- **Scalability and Flexibility**
Dynamically scale data integration resources up or down based on fluctuating business demands, ensuring optimal performance and cost-efficiency.
- **Centralized Data Management**
Unify data integration across hybrid and multi-cloud environments, providing a single pane of glass for end-to-end data pipelines.
- **Cost Efficiency**
Reduce infrastructure and maintenance costs through a cloud-based, pay-as-you-go subscription model, eliminating the need for on-premises hardware and software.
- **AI and Automation**
Utilize built-in artificial intelligence and automation capabilities to accelerate data integration workflows, optimize pipelines, and enable predictive maintenance.
- **Real-Time Data Processing**
Leverage the cloud's computational power to enable real-time data processing and analysis, empowering organizations to make faster, more informed decisions.

Industry Trends in Data Management

- Migration to the Cloud

Increasing adoption of cloud-first strategies by organizations to leverage the scalability, flexibility, and cost-efficiency of cloud-based data management solutions.

- Data Democratization

Empowering business users with self-service data integration tools, enabling them to access, combine, and analyze data without relying solely on IT teams.

- Focus on Real-Time Analytics

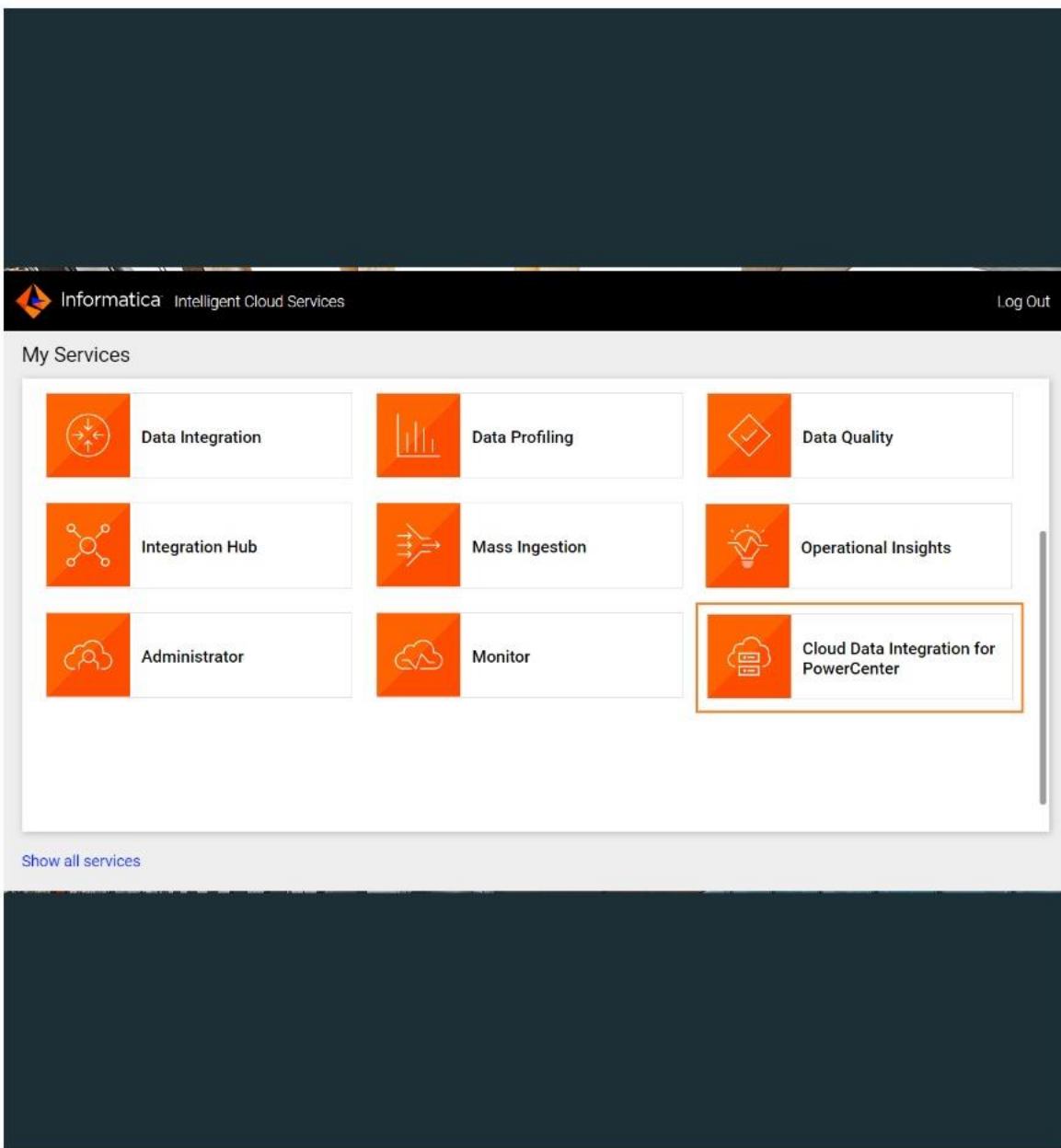
Growing demand for faster, more up-to-date insights from streaming data sources to support real-time decision-making and business agility.

- Hybrid and Multi-Cloud Environments

Organizations embracing diverse cloud platforms and on-premises systems to achieve maximum flexibility, scalability, and data source connectivity.

- AI and Machine Learning Integration

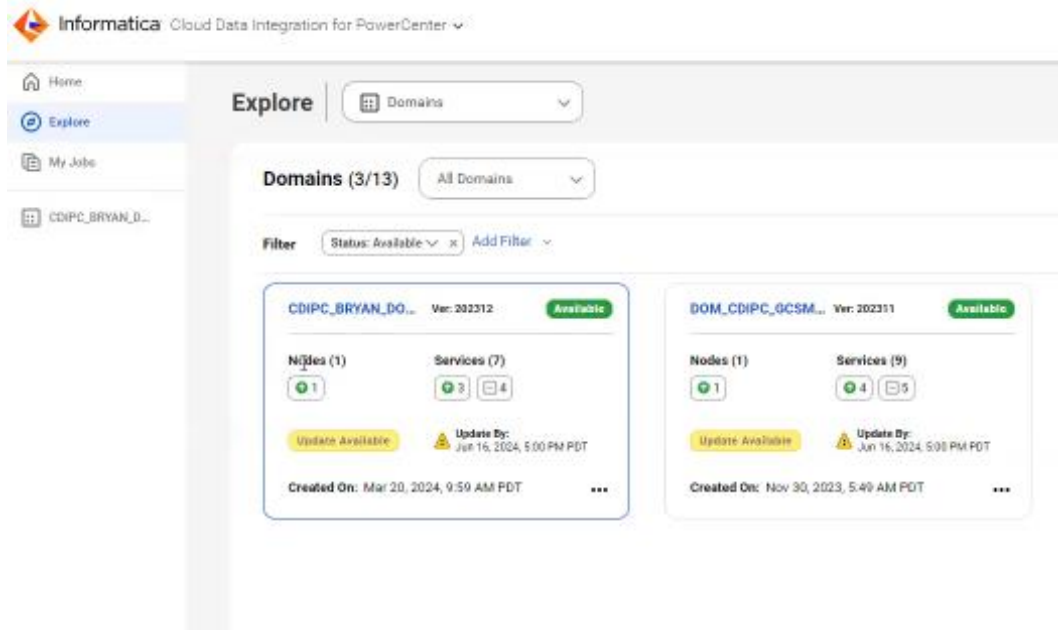
Leveraging advanced technologies like AI and machine learning to automate data management tasks, optimize data pipelines, and uncover deeper, more predictive insights.



Overview of CDI-PC

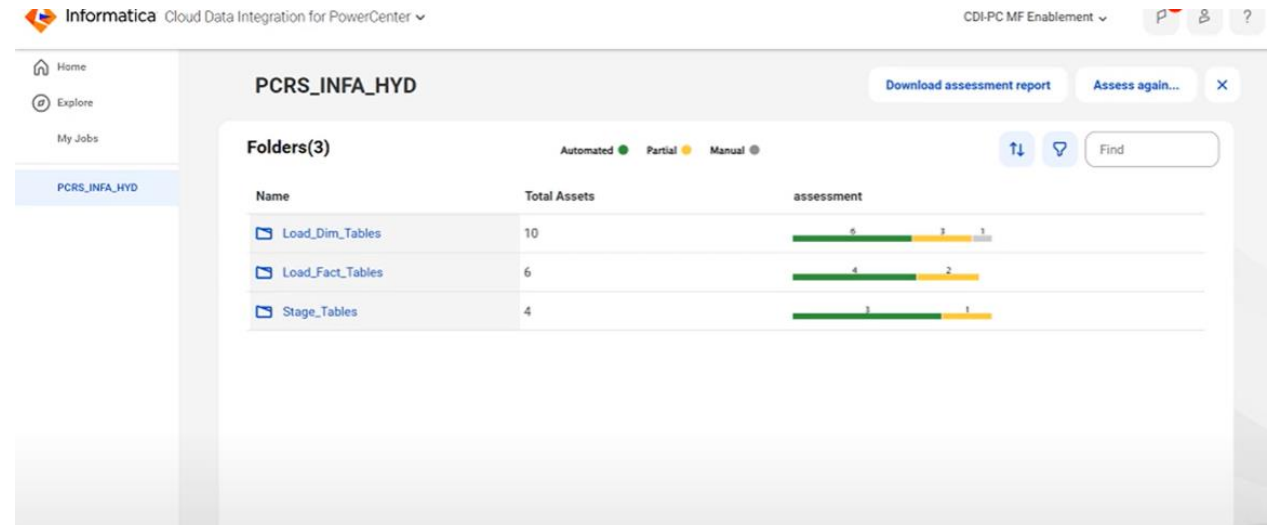
Cloud Data Integration for PowerCenter (CDI-PC) enables seamless modernization of PowerCenter to Informatica Intelligent Data Management Cloud (IDMC). CDI-PC provides centralized monitoring and management capabilities for all your PowerCenter domains on a single IDMC pane.

How it Works



Domain Registration

- Register your domain in CDI-PC application to connect CDI – PC repository.
- When you register a domain in Informatica Intelligent Cloud Services, you enable communication between the domain and the cloud. You can monitor the status of PC domains, nodes, and services all from the Informatica Cloud UI.



Repository Assessment

- View Power Center assets in Cloud & Assess Available ones for conversion

My Jobs

Jobs (50)

Name	Location	Status	Start Time	End Time	Type
ConversionTask-6_1	CDIPC_BRYAN_PCREPO/TEST_C...	Completed	Mar 28, 2024 at 11:51 AM PDT	Mar 28, 2024 at 12:03 PM PDT	Conversion Task
ConversionTask-1162_1	PCRS_Organon_c04637137/NE...	Unsuccessful	Mar 26, 2024 at 09:45 AM PDT	Mar 26, 2024 at 09:55 AM PDT	Conversion Task
DOM_CDIPC_GCSMF_TEJ1...	DOM_CDIPC_GCSMF_TEJ1/PCR...	Completed	Mar 26, 2024 at 09:22 AM PDT	Mar 26, 2024 at 09:43 AM PDT	Assessment Task
ConversionTask-738_1	pcrs_04626804/NEWFOLDER0	Completed	Mar 26, 2024 at 05:40 AM PDT	Mar 26, 2024 at 05:58 AM PDT	Conversion Task
ConversionTask-Test_Brya...	CDIPC_BRYAN_PCREPO/TEST_C...	Completed	Mar 25, 2024 at 08:39 AM PDT	Mar 25, 2024 at 08:50 AM PDT	Conversion Task
ConversionTask-69_1	pcrs_04626804/NEWFOLDER0	Completed	Mar 20, 2024 at 11:05 PM PDT	Mar 20, 2024 at 11:19 PM PDT	Conversion Task
CDIPC_BRYAN_DOMAIN_C...	CDIPC_BRYAN_DOMAIN/CDIPC_...	Completed	Mar 20, 2024 at 11:57 AM PDT	Mar 20, 2024 at 12:12 PM PDT	Assessment Task
ConversionTask-41_1	pcrs_04626804/NEWFOLDER0	Completed	Mar 20, 2024 at 03:33 AM PDT	Mar 20, 2024 at 03:51 AM PDT	Conversion Task
ConversionTask-95_1	PROJECT_G1JCY	Completed	Mar 19, 2024 at 08:03 AM PDT	Mar 19, 2024 at 08:12 AM PDT	Conversion Task
ConversionTask-8488_1	PROJECT_G1JCY	Unsuccessful	Mar 19, 2024 at 07:27 AM PDT	Mar 19, 2024 at 07:27 AM PDT	Conversion Task

ConversionTask-Test_BryanClark_CDIPC_1

Job Properties

Task Name ConversionTask-Test_BryanClark_CDIPC	Task Type Conversion Task	Job Instance ID 1	Job Status Completed
Started By vchityala_preview	Runtime Environment asvchityala@02.informatica.com	Project/Folder Location CDIPC_BRYAN_PCREPO/TEST_CDIPC	
Start Time Mar 25, 2024 at 08:39:01 AM PDT	End Time Mar 25, 2024 at 08:50:01 AM PDT	Duration (HH:MM:SS) 00:11:00	

Choose a workflow from the left panel to view the assets associated with it on the right.

Workflows (1)			WKF_TEST (2)			
Name	Conversion Status	Error Details	Asset Name	Asset Type	Conversion Status	Error Details
WKF_TEST	Successful	NA	M_TEST	Mapping	Successful	NA
			S_TEST	Mapping task	Unsuccessful	View Details

Asset Conversion

- Convert available Power Center assets to Cloud Data Integration

Job Execution

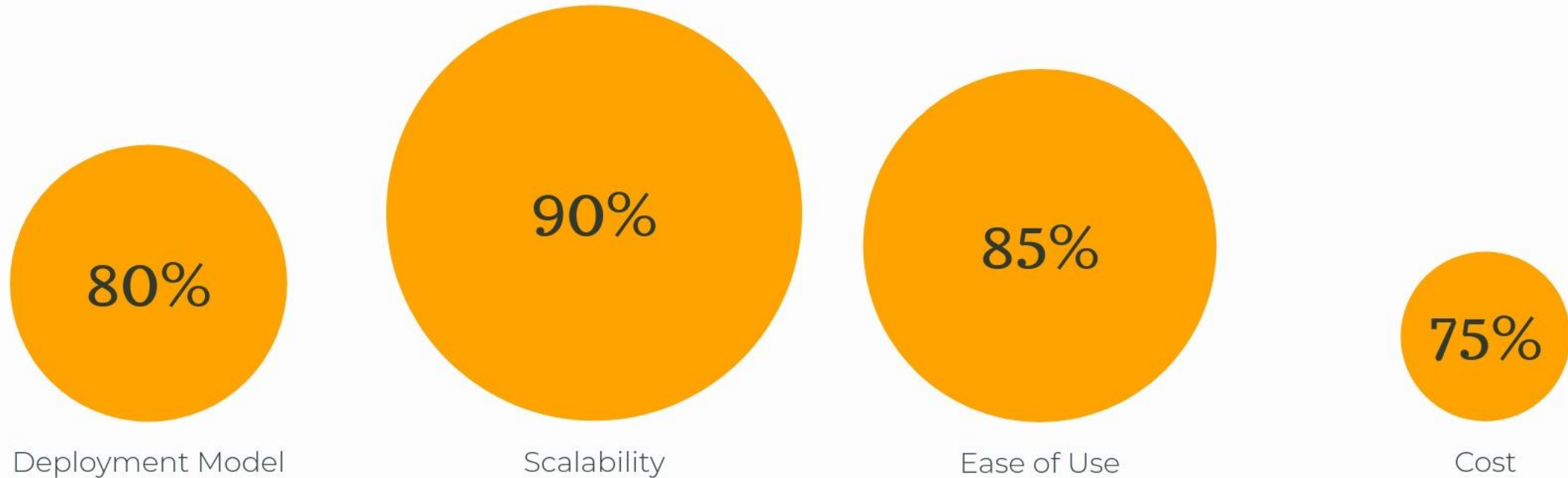
- View status of conversion tasks & workflows within IDMC

Feature Comparison

Feature/Aspect	Cloud Data Integration - Power Center (CDI-PC)	Power Center
Interface	Unified interface to monitor domains, nodes, and services.	Traditional client-server interface for monitoring and managing data integration.
Updates and Maintenance	Automatic updates and security fixes ensure domains are up-to-date.	Manual updates and patches required for maintaining the system.
Self-Service Capabilities	Provides tools to assess repositories and plan migrations to the cloud.	No built-in self-service migration capabilities; manual effort needed for migration planning.
Workload Migration	Facilitates planning and migration of PowerCenter workloads to Cloud Data Integration.	Designed for on-premises workloads with no direct migration tools to cloud-native platforms.
Deployment Model	Cloud-based deployment with scalability and elasticity.	On-premises deployment with fixed resources unless integrated with cloud solutions.
Security Management	Automatic application of security patches enhances system security.	Security updates require manual application, increasing administrative overhead.

Comparison Between PowerCenter and CDI-PC

Deployment, Scalability, Ease of Use, and Cost



Transitioning to Informatica Cloud Data Integration - Powered by Cloud (CDI-PC)

Conduct a detailed assessment of existing PowerCenter workflows and data pipelines, identify dependencies, bottlenecks, and workflows for migration. Develop a phased migration roadmap with milestones and success metrics.

Assess the organization's cloud readiness, including infrastructure, skills, and tools. Address potential skill gaps with training for CDI-PC.

Utilize Informatica's migration utility tools for workflow conversion and mapping compatibility. Optimize existing PowerCenter mappings for cloud execution.

Start with non-critical workflows to test and validate the migration approach. Gradually transition mission-critical processes while ensuring data consistency and integrity.

Assessment and Planning

Readiness Evaluation

Migration Preparation

Phased Migration

Testing and Validation

Cutover and Optimization

Ongoing Support and Monitoring

Thoroughly test migrated workflows to verify data accuracy and performance. Implement a parallel run (if feasible) to compare results from PowerCenter and CDI-PC.

Execute the cutover plan for production workloads. Monitor performance and fine-tune workflows using CDI-PC's analytics and monitoring tools.

Establish a support framework for addressing post-migration issues. Continuously monitor workflows and adopt enhancements in CDI-PC to maximize ROI.

CDI-PC Key Points:

✓ Cost Efficiency

Reduces infrastructure and maintenance costs by leveraging cloud-based services. Pay-as-you-go model optimizes spending based on actual usage.

✓ Scalability and Performance

Automatically scales to handle large volumes of data and peak loads. Enhanced processing power through cloud-native architecture.

✓ Modernized Architecture

Access to modern tools, templates, and workflows optimized for the cloud. Native integration with cloud ecosystems like AWS, Azure, and Google Cloud.

✓ Enhanced Productivity

Intuitive, user-friendly interface with simplified deployment processes. Accelerates time-to-value with pre-built connectors and reusable components.

✓ Advanced Features

AI-driven recommendations for performance optimization. Better support for hybrid and multi-cloud environments. Real-time data integration and streaming capabilities.

✓ Compliance and Security

Cloud environments meet stringent compliance standards (e.g., GDPR, HIPAA). Robust data security and governance capabilities.



Q&A

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Bryan Clark / December 10th, 2024

Thank You

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