Oracle Data Integrator Cloud Service
Overview

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- Overview
- Solutions
- Customers
77% of enterprises say data integration is important for cloud initiatives
Half of cloud adopters have tried and failed at cloud integration.
Oracle Data Integrator Cloud Service

Accelerate Analytics
- Deploy ODI in the Oracle Public Cloud and execute E-LT workloads into Oracle Platform as a Service
- Pushdown processing is best for the cloud – high performance ETL with less data movement

Lower Development Costs
- Native integration with Oracle Database Cloud Service, Exadata Cloud Service, Big Data Cloud Service and Java Cloud Service
- Reduced infrastructure and maintenance costs with Oracle Data Integrator Cloud Service

Powerful Hybrid Cloud Solution
- Subscribe to ODI using monthly subscription
- Leverage hybrid deployments with ODI running on-premises to move data into OPC
Oracle Data Integrator provides high performance bulk data movement, massively parallel data transformation using database or big data technologies, and block-level data loading that leverages native data utilities.

- **Bulk Data Performance**
- **Non Invasive Footprint**
- **Future Proof IT Skills**

1000’s of customers – more than other ETL tools

Flexible ELT workloads run anywhere: DBs, Big Data, Cloud

Up to 2x faster batch processes and 3x more efficient tooling
Industry Leading Performance

- E-LT provides a flexible architecture
- Optimized performance on-premises or in the Cloud
- Native Pushdown Processing is best for the Cloud

Key Performance Benefits

- Leverages set-based transformations
- Improves performance for loading, no network hop
- Takes advantage of existing infrastructure: hardware and software
Improved Productivity

- Easy and universal for designing any Mapping
- Robust and reusable: Create Mappings once for any physical design
- Quick to define and refactor Maps with automation
- Extensible model for any data integration mechanism

Key Productivity Benefits
- Significantly reduces the learning curve
- Shortens implementation times
- Simpler maintenance
Key Architecture Benefits

- Faster development and simpler maintenance using templates
- Easy to extend and add new best practices
- Enforces predictability and reduces cost of ownership
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Solutions

Migrations

- Data Migrations into Cloud
- Heterogeneous Cloud Integration

Analytics

- Big Data ETL Pipelines
- Load a Cloud Data Warehouse or Data Mart
- Customer 360
- Lift & Shift
Load Cloud Data Warehouse

1. Lower the costs of your EDW running on PaaS or IaaS offering
2. Fastest data movement in real-time or batch with ODICS and GGCS
3. Maximize performance for your ODI and Data Warehouse processes with cloud computing
4. Consolidate all your data in to one place for cross lob analytics
5. Innovate with the latest technologies in database and big data for faster and greater insight
1. Fully realize a multi-cloud vendor strategy with Oracle Data Integration Cloud Services
2. Move data easily between Oracle Cloud and other clouds
3. Migrate from other clouds into Oracle Cloud
4. Oracle Data Integration with a combination of ODICS and GGCS supports data integration across heterogeneous environments
Data Migrations

1. Seamless data migration from older databases or poorly optimized Cloud services
2. No data loss for phased / online migrations with reliable and proven core GoldenGate technology
3. Migrate older Amazon RDS instances to Oracle or data delivery from on-premises to 3rd party Clouds
4. Maximize Cloud infrastructure usage for complex transformations using ODICS
Lift & Shift

1. Lift & Shift your existing Oracle Data Integrator configuration and run in the Oracle Cloud
2. Lower the costs of managing your ETL with cloud pricing and highly available deployment on Java Cloud Service
3. Increase agility with flexible, easy to use services without the need to acquire & build infrastructure
4. Data is not persisted in the cloud just passes through or moved directly between on-premises systems
1. With Oracle VPN options, Oracle Cloud becomes an extension of your own network

2. Without VPN, on-premises data can be transferred via Oracle Storage CS automated using ODI

3. ODI supports integration with GoldenGate Cloud Service for real-time data movement

4. ODI supports SaaS services via RESTful Services or 3rd party adapters

5. Data is transformed in a relational DB or Hadoop using the data processing engines: SQL or Hive
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Dev & Test of Data Integration and Data Quality

- New Business Intelligence System developed in the Cloud integrating information from all Colombia’s education entities
- Java Cloud Service allowed quick setup of Oracle Data Integrator and Oracle Enterprise Data Quality for Dev & Test
- Data Integration project delivered in only 3 months

3 Months

To install & configure multiple environments and develop ETL processes for 120 Business Intelligence indicators
Customer Example: Leading Customer Advocacy Group
Improved Marketing Efficiency and Better Customer Satisfaction

Customer 360-Degree View

• Using Oracle Database Cloud Service (DBCS) to run a Data Warehouse

• Uses Oracle Data Integrator (ODI) to load data from on-premises and Cloud data sources (Salesforce Marketing Cloud, NetSuite, and SiteCore) into DBCS

• ODI helped this customer consolidate and enrich their customer data to produce a richer dataset which is utilized for Marketing campaigns as well as to know their customers better

• Planning to migrate to ODICS soon
Customer Example: Multinational Grocery Retailer
Faster Data Migration and Data Warehouse Loading

High-Speed Cloud Data Integration

• Uses Oracle Data Integrator on Oracle Public Cloud for several use cases
  – Migrate data from legacy systems in conjunction with Enterprise Data Quality
  – Feed data into E-Business Suite running on Compute Cloud Service (IaaS)
  – Perform ELT transformations for Data Warehouse (future)
• Live with initial implementation for select stores. Planning a broader roll out with additional functionality to more stores throughout 2017
• Interested in migrating to ODICS
- **Powerful push-down data processing** now available as a PaaS offering
- **100% Compatible** with existing on-premises ODI deployments
- **Full portability** across Hybrid Clouds

*Easy Move to the Cloud with ODICS*

On Premises  →  Oracle Data Integrator Cloud Service  →  Oracle Cloud

**Same Architecture**
**Same Software**
**Same Skills**
Useful Links

- **Website**

- **Datasheet**

- **Trials**
  Trial accounts available through Java Cloud Service trials
Connect with Oracle Data Integration

- Oracle Data Integration
- @OracleDI
- Blogs.oracle.com/DataIntegration/
- Oracle Data Integration
Questions?