Club Phát Triển Kế Toán

Topic: Enterprise Data Strategy

Drive Agile Business Transformation

Aidt Aron

Co-Founder, Solution Director, ARON JSC. 13:30 – 16:30 PM, Aug 14, 2022





Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận



Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận



Current trends



The future is here – Are you ready to outpace change?

Which number is the right one?

Sound familiar?





Quotes - We Commonly Hear From Customers

"Manual process with too much risk for errors"

"Too many redundant processes"

"Reconciliation nightmares"

"Inconsistent data so I can't trust it"

Business Benefits and Value

- Eliminate duplicative maintenance across systems
- Eliminate lengthy and costly manual reconciliations
- Reduce period-end close cycles
- Easily create and manage alternate hierarchies
- Immediate visibility of all changes with audit history
- Quickly assimilate acquisitions and corporate reorgs

"Dependent on IT for updates"

"No standardization or governance"

"No visibility"

"Acquisitions and Re-orgs are unmanageable"





Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận



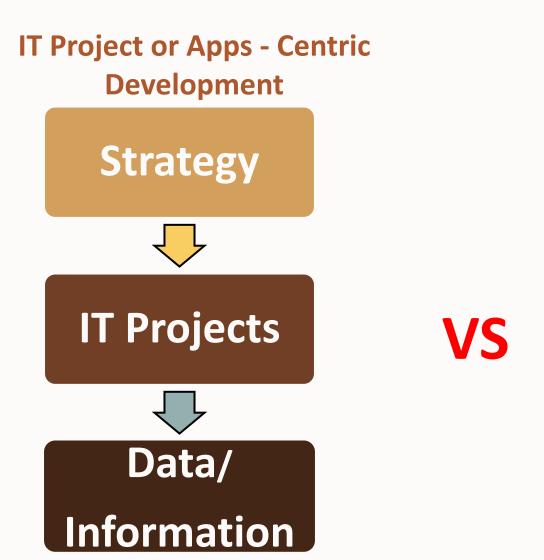
A GOOD DATA STRATEGY

Is not determined by what data you have readily available

But what your business wants to achieve and how data can help you get there



Data Strategy in Context



Data - Centric Development Strategy Data/ Information **IT Projects**



Data Strategy in Context (cont.)



This is CORRECT... **Business Strategy** Data Strategy Strategy

Directly supportive of business strategy



Data strategy "Offense" vs "Defense"

Which style of data strategy fits your organization?



- Focused on Creating Opportunity
- Improving Profitability
- Increasing Revenue
- Improving Customer Satisfaction
- Competitive Advantage



- Focused on Reducing Risk
- Compliance & Regulation
- Avoiding Audits or Fines
- Fraud Detection
- Security & Privacy



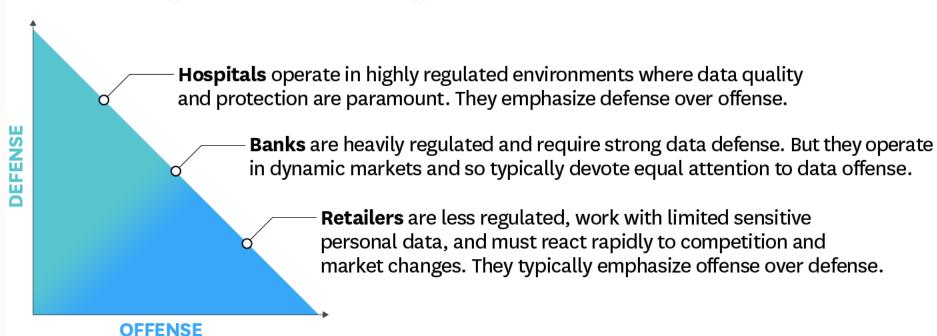


Data strategy "Offense" vs "Defense"

Which style of data strategy fits your organization?

The Data-Strategy Spectrum

A company's industry, competitive and regulatory environment, and overall strategy will inform its data strategy.





FROM "WHAT'S YOUR DATA STRATEGY?," BY LEANDRO DALLEMULE AND THOMAS H. DAVENPORT, MAY-JUNE 2017

© HBR.ORG



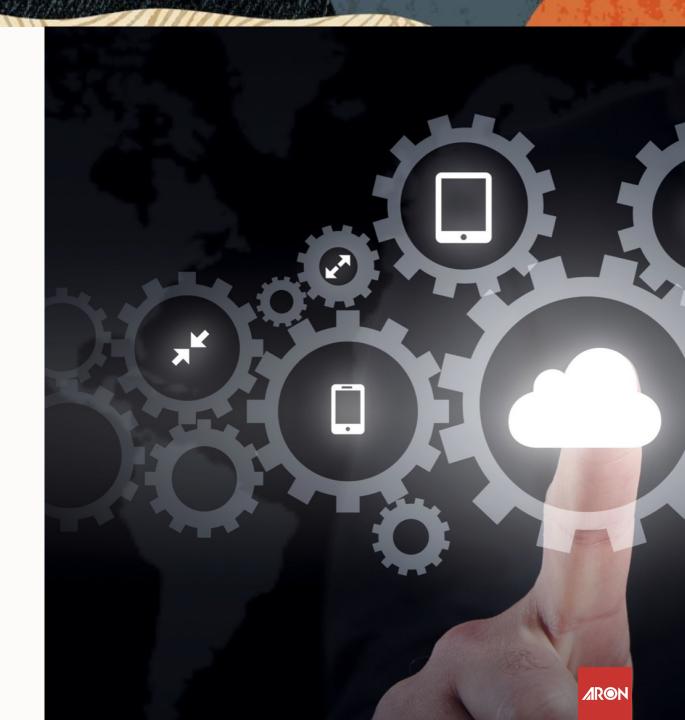
The 5 strategic data use case areas

- 1 Using data to make better informed, fact-based decisions
- 2 Helping you understand your markets and customers
- 3 Using data to offer smarter services and intelligent products
- 4 Using data to improve and automate your business processes
- 5 Using data to gain new revenue streams



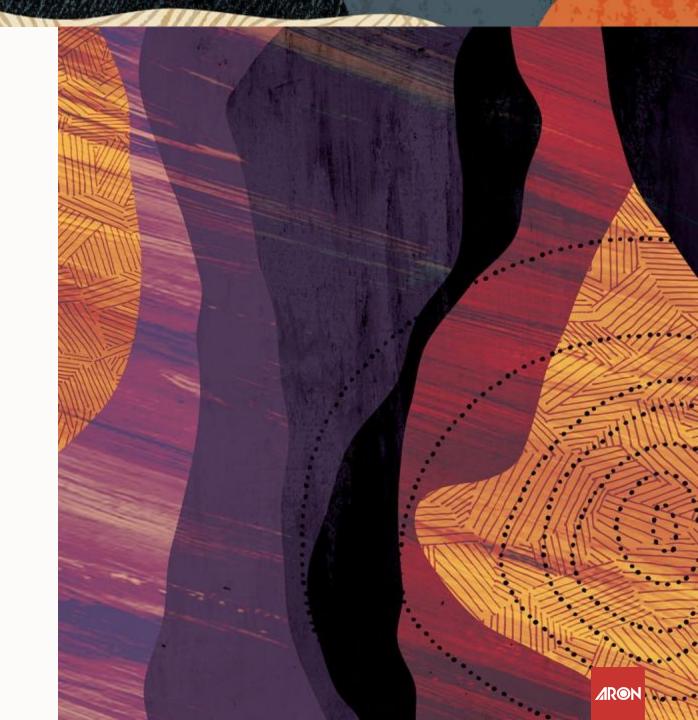
Data Maturity Assessent

- Assess the as is status
- Define target status
- Identify actions to close gap
- Benchmark against industry



Approaches To Maturity Assessent

- Self Assessment
- Consulting help



Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận



Enterprise Data Changes Are Everywhere

Classify and measures value across the enterprise

Slice and dice reports by region, by BU, by product...

Share and align across applications, departments, and businesses

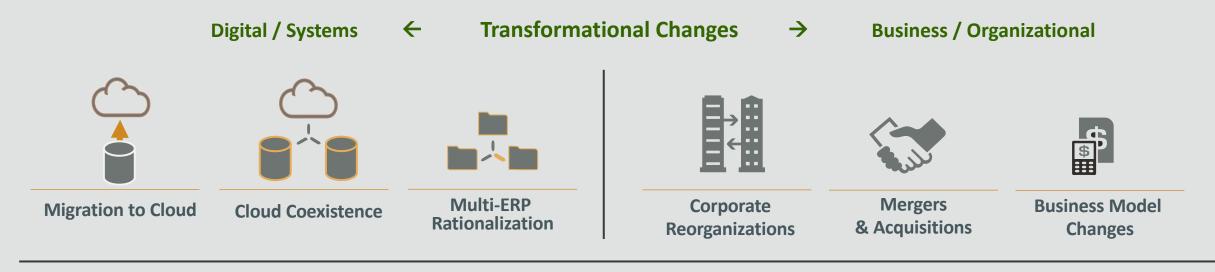
Continuous, on-going change – part of being an agile business



Financial	Business	Analytical	Reference Data
 COA segments GL Accounts Legal Entities Business Units Cost centers Products 	 Sales Territories, Teams, People Companies, Organizations Locations: Stores, ATMs, Meters Parties: Customers, Vendors Employees, Jobs, Positions, Skills 	 Dimension member lists Alternate hierarchies Cross-dimensional mappings Intercompany mappings 	 Types, Codes, Value sets Market segments Product categories Geo Codes Classification codes Business taxonomies

Managing Enterprise Data is Key for Every Business

Changes can be Large or Small, Transformational or Routine

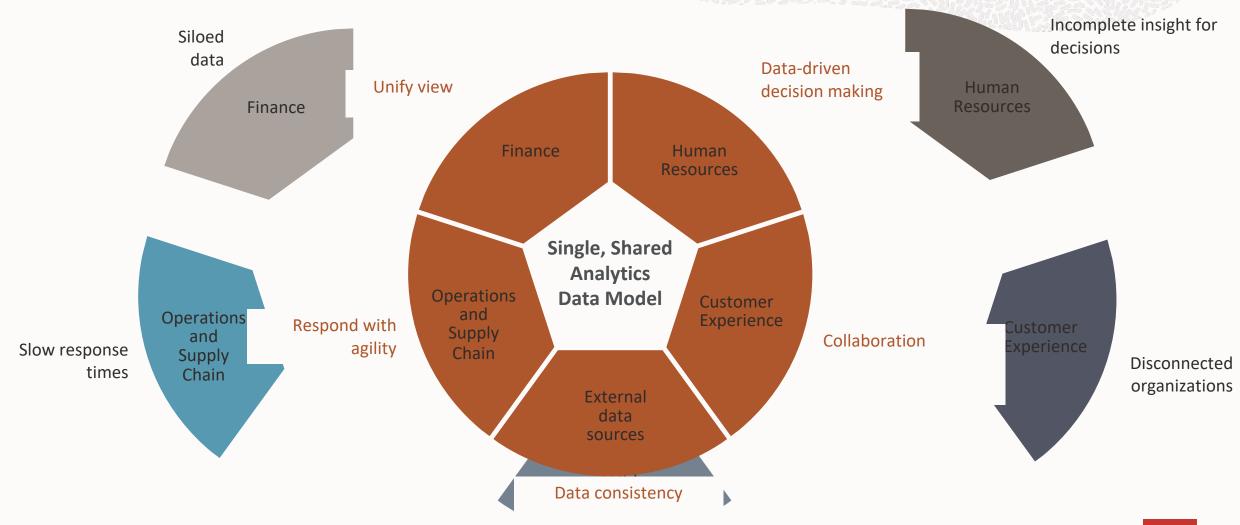


Routine Changes





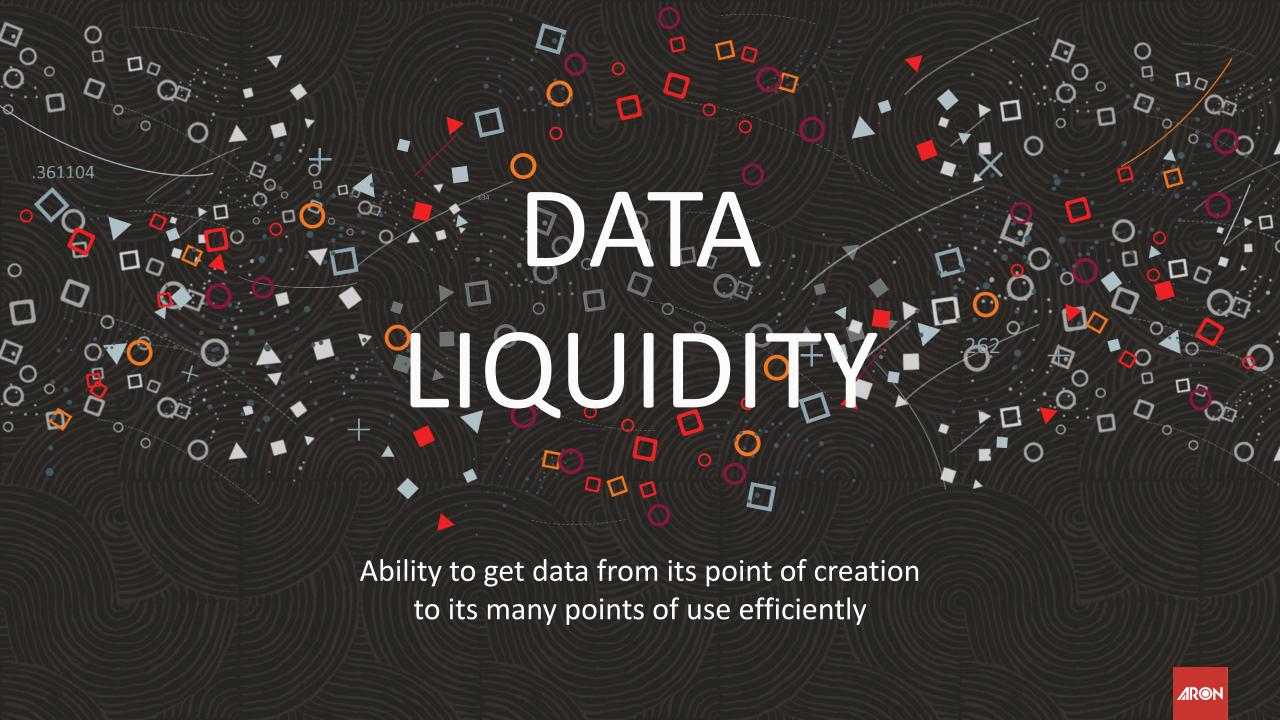
One, unified analytics view



Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận





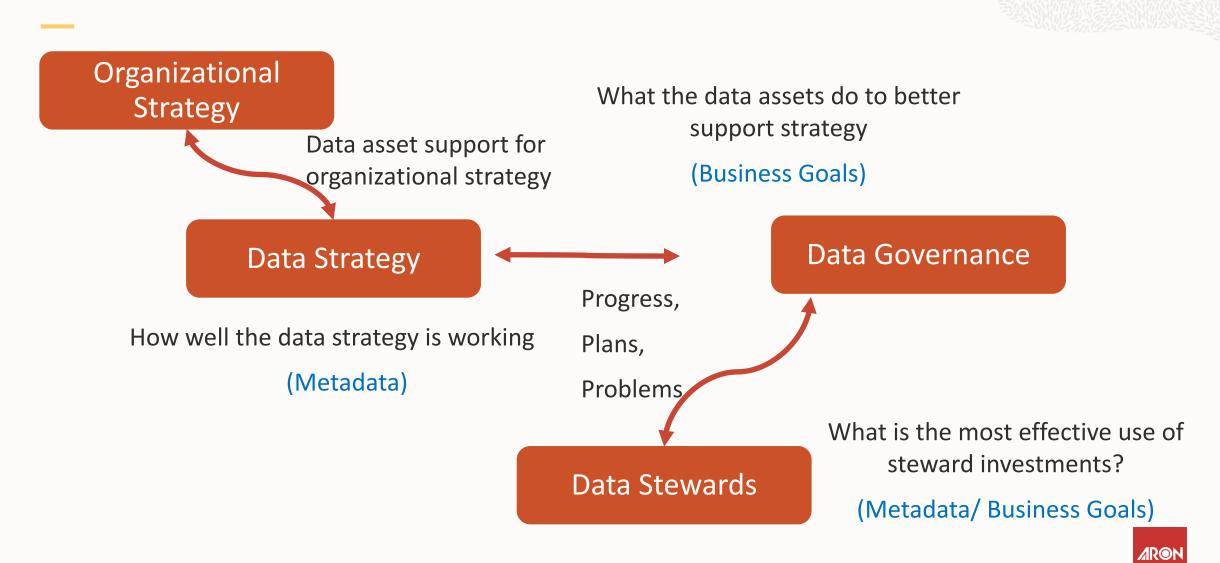
Business Strategy driving IT Strategy WHY START WITH A BUSINESS CASE

- Data Strategy takes time to build
- Initiative requires priority
- Initiative requires resources
- Commitment to use the output

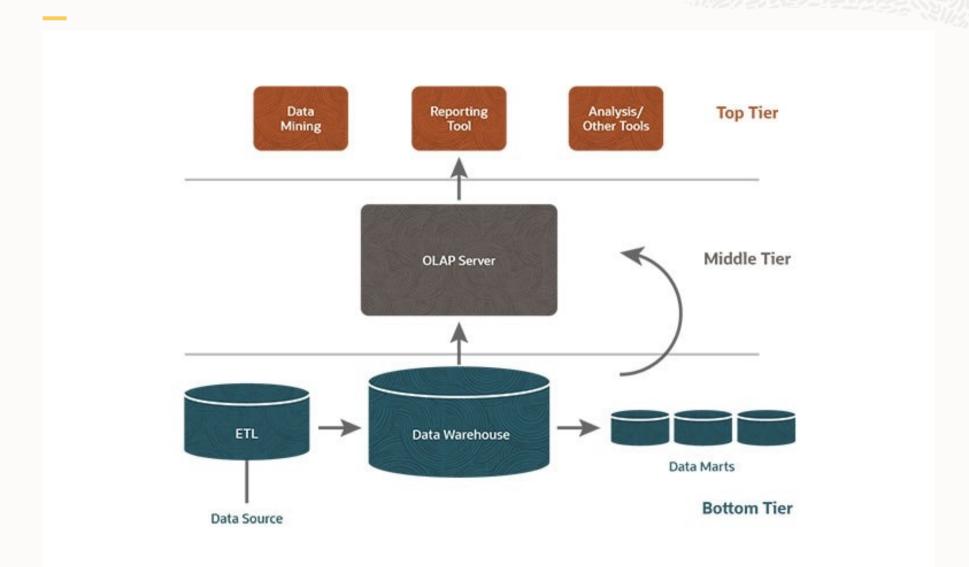




Data strategy and Governance in Strategy context



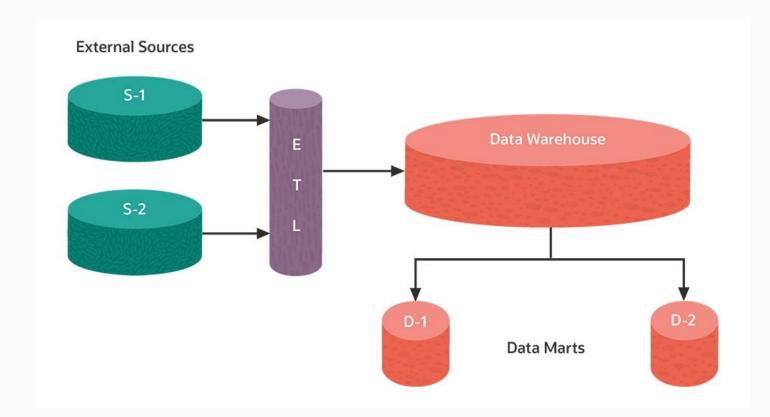
Data Warehouse

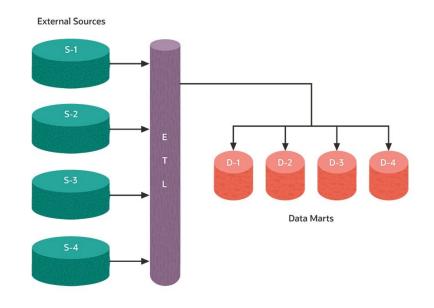


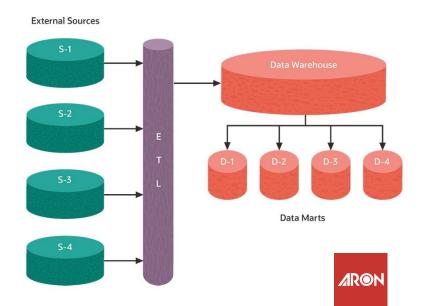


Data Warehouse (cont.)

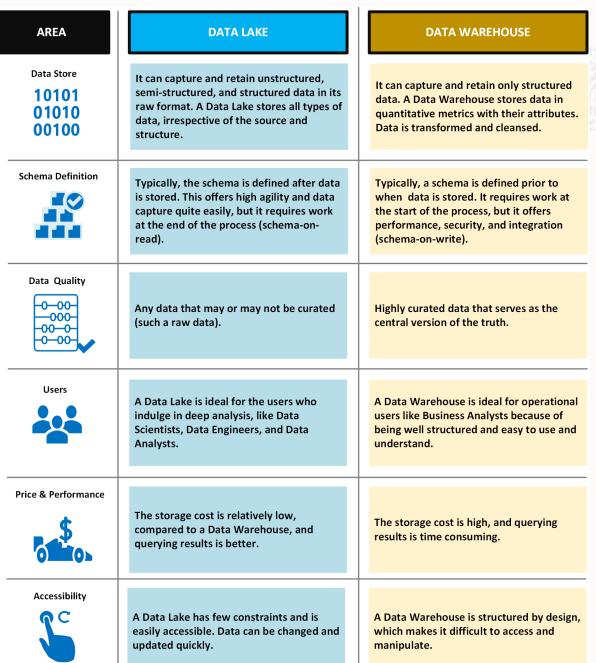








Data Lakes vs Data Warehouses



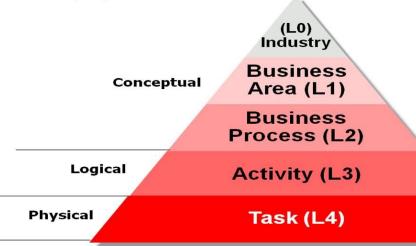


Business Process vs Data Strategy

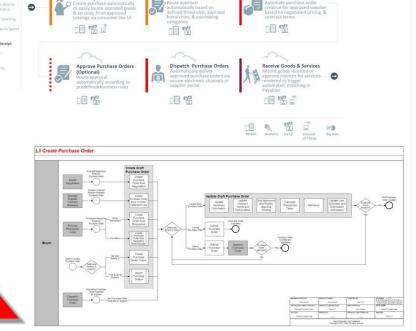
Business Process Models

Consider the five level model

- Top three levels are conceptual (L0 L2)
 Services observed at (L2)
- Fourth level is implementation specific (L3)
- Process integration points appear on lowest level (L4)





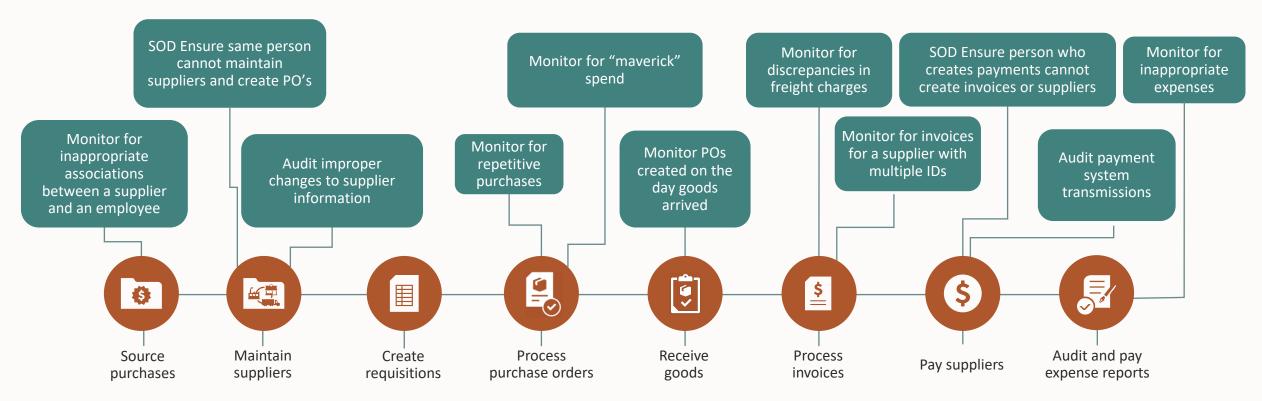




Build resiliency by managing risk

Gain financial oversight, reduce fraud and error

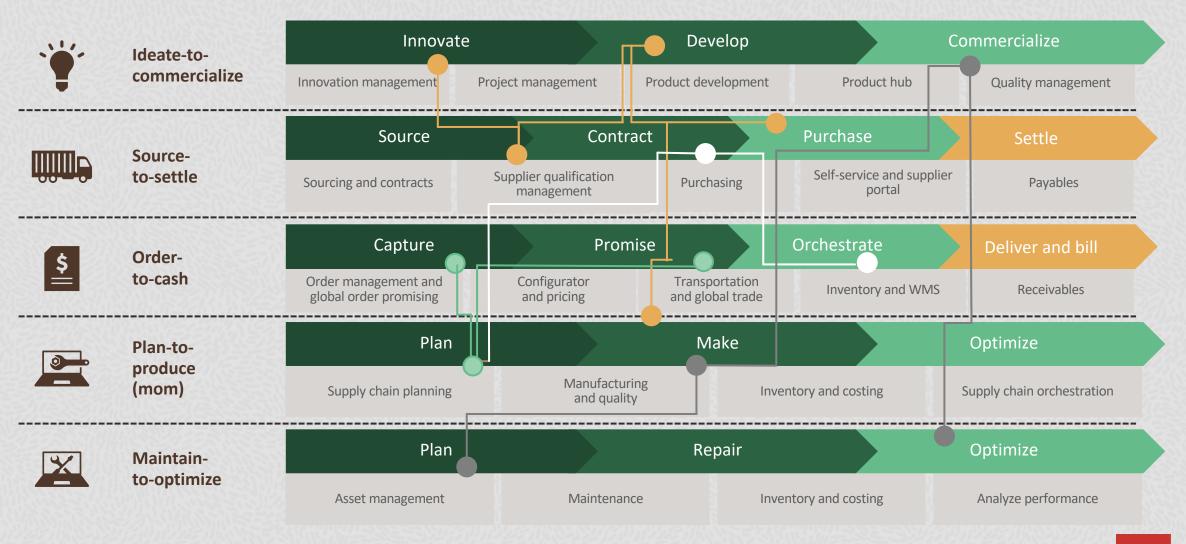
Example: Overlay procure-to-pay business process with a combination of access, configuration and transaction controls





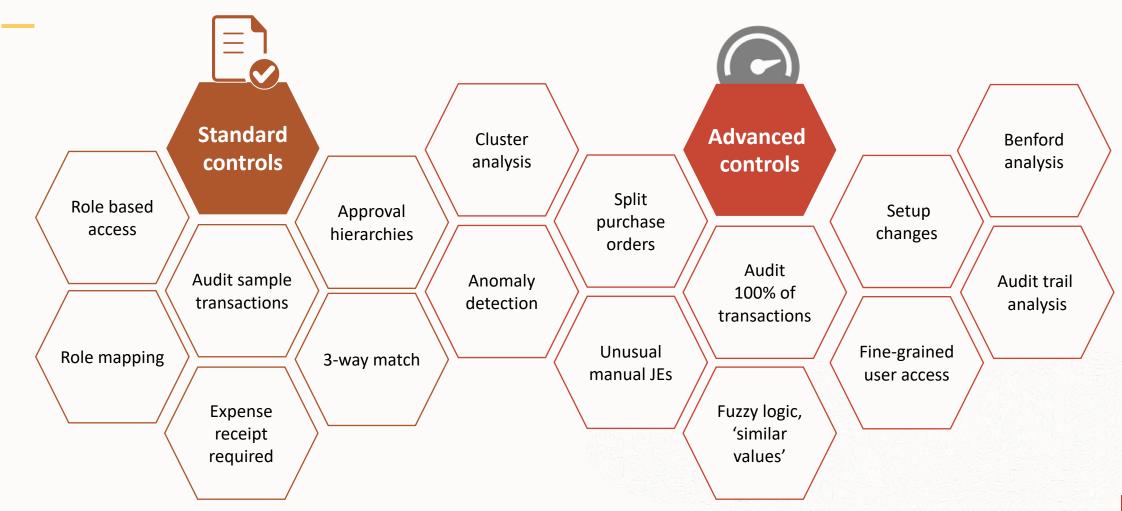
Connected processes

Broader, simpler footprint for the digital supply chain

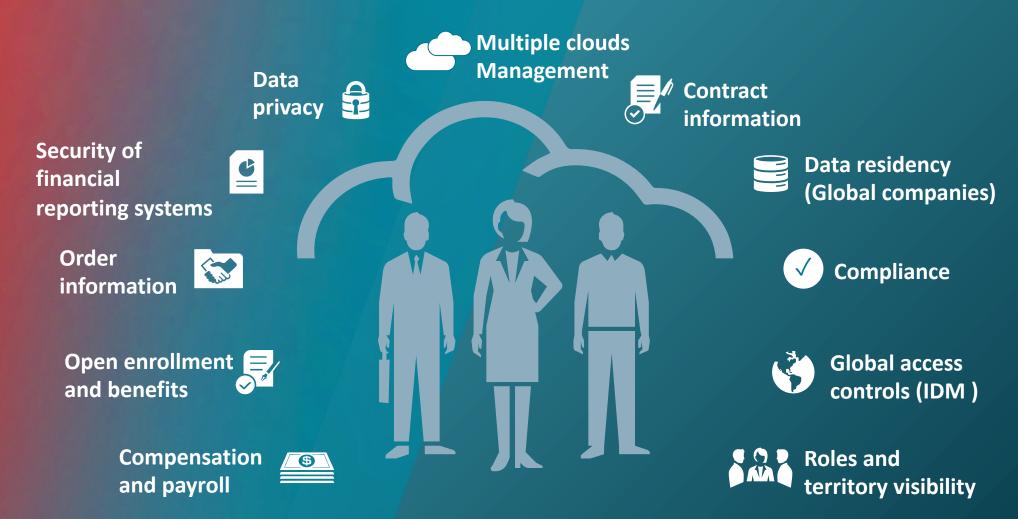




Standard + Advanced ERP controls



Why Should Business Managers Care About Cloud Security?





Integration:
The Foundation for Digital
Business

50%

time and cost



ERP Integrations - Overview

Oracle Order Receivable **Oracle Procurement** Transaction Management **Oracle Financials** Receivable Receipt **Oracle Inventory** Master Data **Oracle Manufacturing** (Organization/Stores/Customer/Item)

ERP

Back End

Front End

ERP is a back-office application which handle almost back-end business processes, including:

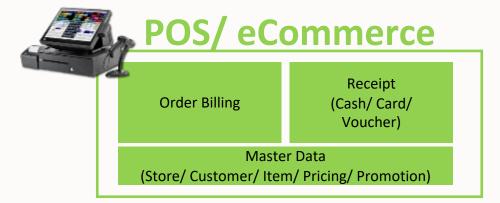
Master Data

- Manufacturing
- Cash Management

Procurement

- Order Management
- Assets

- Inventory Management
- Receivables/Payables
- General Ledger



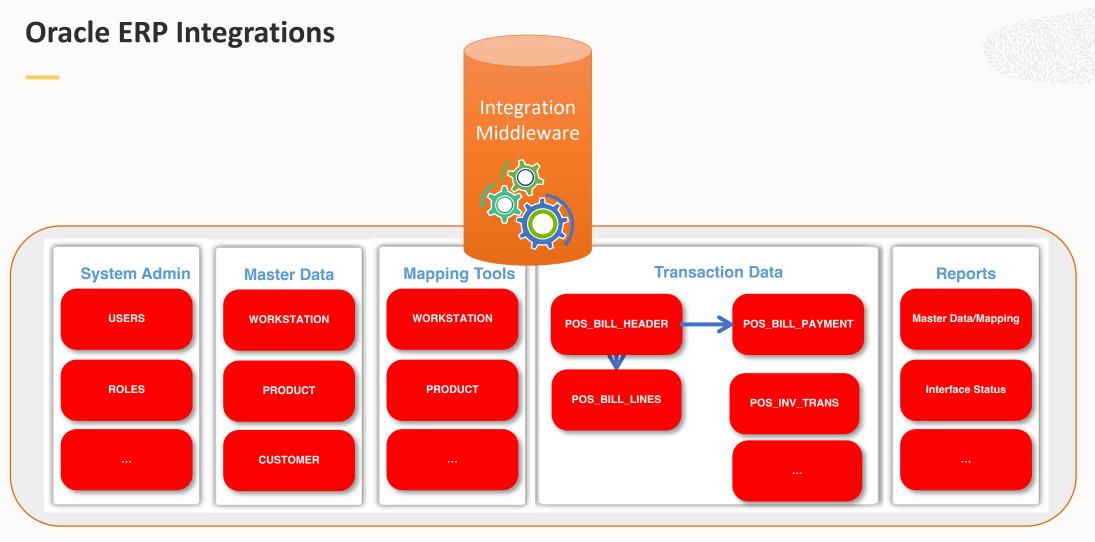
POS is a front-office application which handle almost core

business processes, including:

- Customer Master Data
 Store Master Data
- Order Billing

- Item Master Data
- Selling Price/ Promotion Order Receipt

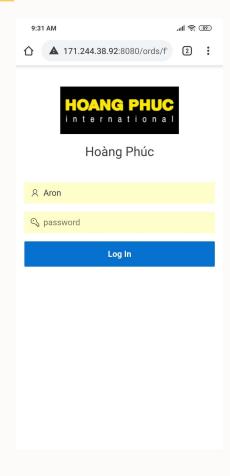


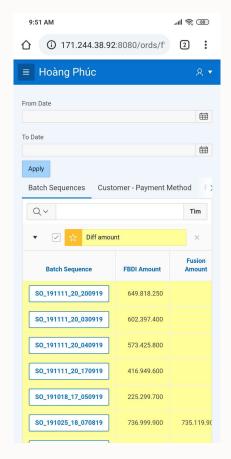


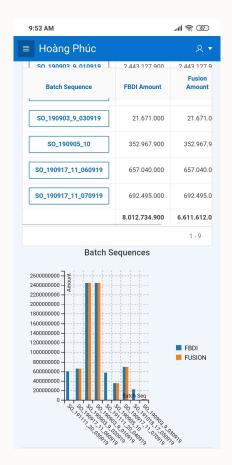
Integration Middleware Solution



Oracle ERP Integrations



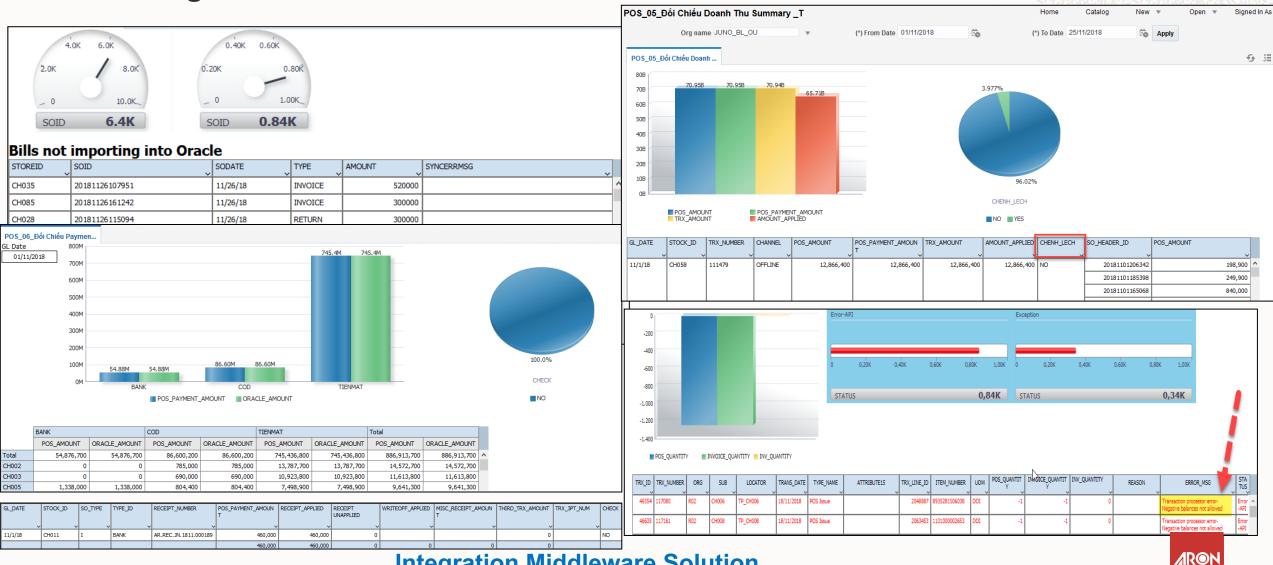




Integration Middleware Solution - Overview



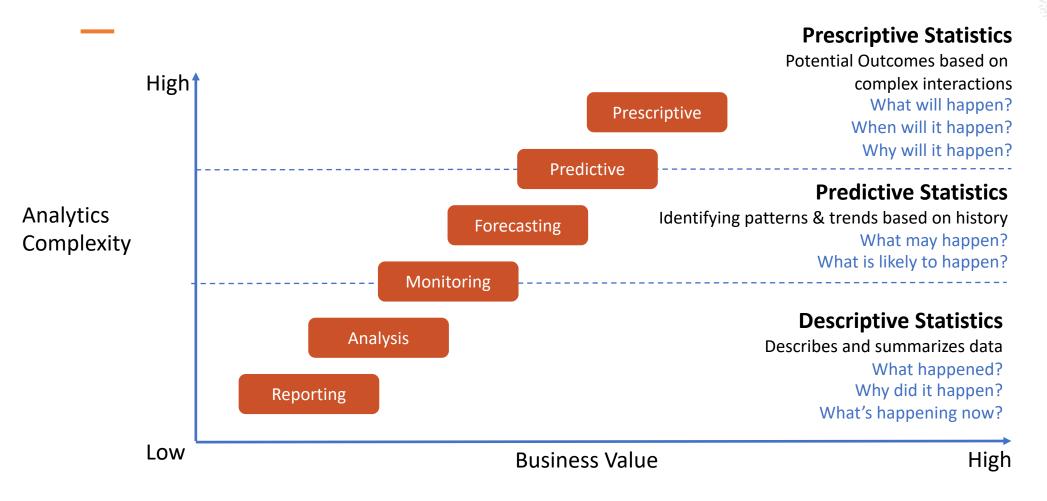
ERP Integrations





Where are you on the maturity model?

Data-driven





Data analysis

KPIs and detailed analyses

General Ledger

- Revenue
- Operating expense
- Net income
- EBITDA
- Payroll cost
- Net working capital
- DSO, DPO, DIO
- Current and quick ratio

Accounts Receivable

- AR outstanding
- AR average days outstanding
- AR aging
- AR current due, overdue
- AR average invoices amount
- AR receipts
- AR debit/credit memos amounts
- AR distribution amount

Accounts Payable

- AP current due, overdue
- AP avg supplier payment days
- AP turnover
- AP aging
- AP on time & overdue payments
- AP discount taken and lost %
- AP average days on hold
- AP % interest penalties paid

Spend

- Addressable Spend
- PO Matched Spend
- Agreement Leakage Spend
- Negotiated Spend %
- Average Spend Per Invoice
- Top ten suppliers
- PO Matched Spend %
- Max, Min, Average Unit Price

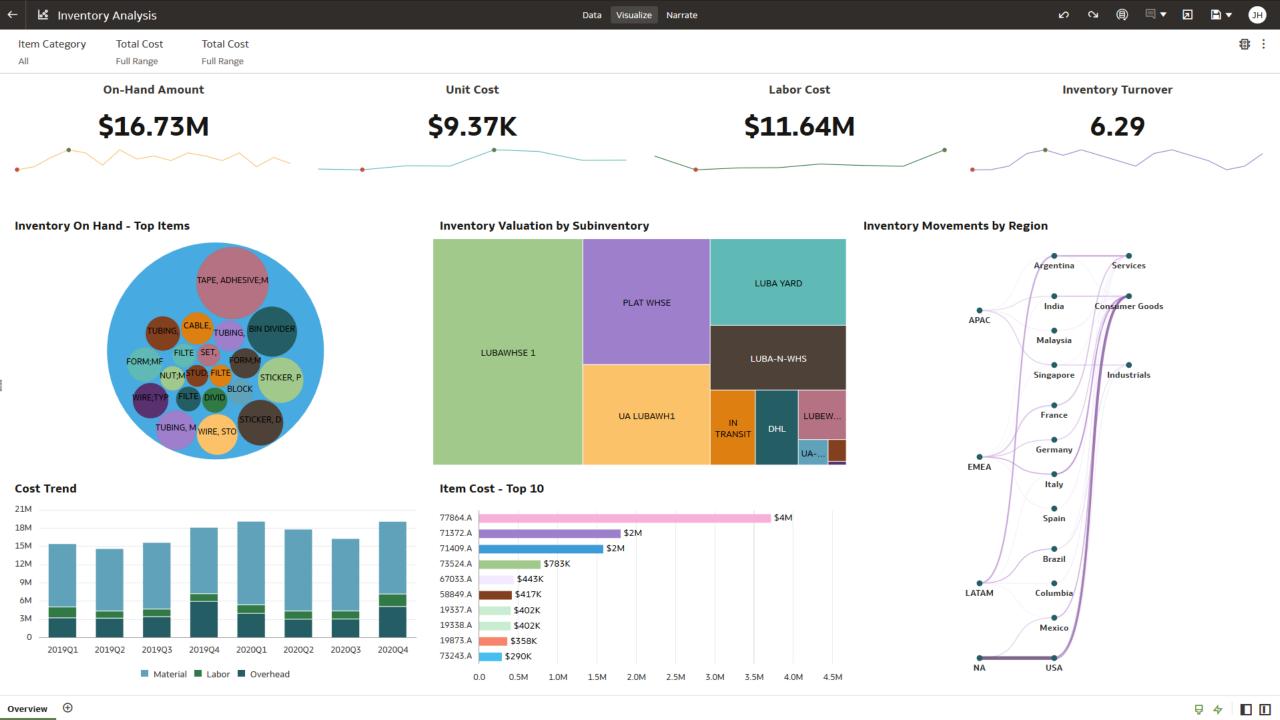
Employee Expense

- Total and avg expense amount
- Credit card expense amount
- Cash expense amount
- Manual and auto audit %
- Expense approval cycle time
- Expense filing cycle time
- Cash expense reimburse cycle time
- Avg days late

Procurement

- Agreement utilization
- Contracts Expiring
- Requisition-to-receipt cycle time
- Purchasing analysis by discounts, shipped, short closed, etc
- Receipt analysis by delivery, rejected, returns, etc





Analyze profitability and cost drivers

- Analyze top line growth and bottom line trends with detailed breakdown
- Understand the cost drivers across the enterprise to optimize return on Capex and Opex investments
- Include additional data in your analysis:
 - Combine finance and HR data to gain deeper insights into employee cost and productivity
 - Combine finance and SCM data to gain deeper insights into operational cost

Use pre-built KPIs to jump start your analysis

Revenue

Operating expense

• Cost of Revenue

Payroll cost

Net income

• ROE, ROA

• EBITDA

• Current and quick ratio

• Gross Margin %

• SG&A, Depreciation, Tax





Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận



Organisation structure to support data strategy

Data Citizens

- All employees are data citizens
- Data insights enable everyone in their daily job
- In beginning of journey:
- Early data citizens may feel isolated
- May be necessary to bring them together into teams to provide each other support
- Dedicated data analysts may need to coach the data citizens



Organisation structure to support data strategy

Data Functions – Centralised data team





Data culture

"A data culture is the collective behaviours and beliefs of people who value, practice and encourage the use of data to improve decision-making. As a result, data is woven into the operations, mindset and identity of an organisation. A data culture equips everyone in your organisation with the insights they need to be truly data-driven, tackling your most complex business challenges."

- Tableau 2022



- Data Literate
- Platform and Tool Skills
- Responsibility
- Specialists





Data Literate

- Identify Useful Data
 - Recognise data
 - Identify quality and completeness
- Analyses Data
 - Basic statistics (summation, comparison, average)
 - Visualise in basic graphs (Bar, pie, line graph)
- Explain Meaning
 - Explain business context of the data
 - Appropriate visualisation

- Apply To Decisions
 - Use data to support decision papers
 - Identify if data analysis is consistent with decision
- Data Narrative
 - Communicating the data insights
- Be Ethical in Usage
 - Be aware of biases in the data
 - Use the data within company guidelines



Platform and Tool Skills

- Data Tools Skills
 - Extracting data (Excel export)
 - Analysis tools
 - Visualisation tools
- Data Platform
 - What data resides in each platform
 - Getting access and usage tutorials





Responsibility

- Data Governance Processes
 - Approval for access
 - Approval for analysis
 - Approval to share
- Data Governance Policies
 - Data regulations
 - Ethical policy
 - Data sharing rules





Specialists

Data Analysts

Data Scientists

Report Developers

Data Engineers & Architects

Data Operations

Data Governance





Data strategy

Skills



- Literacy Training
- Platform Training
- Data Professional



- Career Development
- Personal Development Plans
- Training Catalogues





Nội dung

- 1. Vai trò của dữ liệu trong thời đại ngày nay
- 2. Tổng quan về chiến lược dữ liệu & các cách tiếp cận
- 3. Phân loại & quản lý dữ liệu trong DN
- 4. Xây dựng chiến lược dữ liệu phù hợp với chiến lược kinh doanh
- 5. Xây dựng văn hoá/tổ chức quản trị DN dựa trên dữ liệu
- 6. Trao đổi và thảo luận

