Understanding Data Architecture
Half-day workshop

> *What are the benefits of architecting Data the right way? How does it translate into managing costs?*

Objective

To empower corporate professionals with insight into data architecture around traditional and emerging data needs, outcome based initiatives and problem solving scenarios.

Who should attend?

All mid to senior level professionals whose responsibilities include
a) enterprise architecture,
b) data modelling,
c) managing data programs,
d) managing IT functions,
e) managing data budgets,
f) being part of Data Governance committee or council.

Benefits of attending this workshop

The technological innovations over the last decade have ensured a dramatic change in the way businesses operate today. The business processes now are more customer-centric and the interaction experience forms the core of business offerings. These technologies, then, besides bringing in an era of disruptive innovation have also necessitated a change in the way data is managed throughout the enterprise.

Enterprise Data needs to be managed in perspectives of real-time needs, computing power, cloud solutions and business insights through artificial intelligence (AI), deep learning, etc. Thus, the design and maintenance of Enterprise Data Architecture underpins the technical support for changing business needs.

Through this workshop, we aim to provide a broad overview of data architecture and considerations for data management including management of master data, metadata, big data stores, data integration with cloud, etc. The workshop would also showcase industry case studies around global data management, also encouraging participants to bring their own practical challenges around data management.

Workshop highlights include:
- Overview of Enterprise Data Architecture & Model
- Master Data, Big Data & EDW, Real-time data and Cloud Integration
- Data Lifecycle reflections on Metadata Management and Data Lineage
- Practical case studies and industry problems from participants

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Technical Skills | People Skills | Conferences & Facilitation | Training Advisory

Workshop agenda

Overview of Enterprise Data Architecture
- Overview of Domain / Canonical Data Models
- What is Enterprise Data Architecture
- Data Architecture as a part of the overall Data Governance Strategy

Master Data Management
- Learn *what*, *why* and *how* of Master Data Management
- What is Reference Data
- Building blocks of a typical MDM solution
- MDM with Big Data and New Gen architectures

Big Data and Next Gen Architectures
- Big Data 101
- Cloud 101
- Business Intelligence and Enterprise Performance Management with evolved architectures

Technology & Tools for Data Architecture
- Big Data Analysis
- Cloud Computing
- NewSQL
- Multi-model database

Metadata Management
- What is Metadata and Enterprise Metadata Management
- Data Lifecycle & Lineage from a Metadata lens
- Data Catalogs and some best practices

Technology skillsets for Enterprise Data
- Differentiate between Data Analyst, Data Engineers, Data Architects, Data Modelers and Data Scientists
- Which skills required for managing enterprise data

Business Drivers for Data Management
- Cost considerations
- Time-to-market and Agility
- Enterprise Performance

Case Studies
- Case studies from the industry and from a global implementation perspective
- Current business and technology support challenges from the participants
- Q&A

About your workshop facilitator

Aashish Diwakar
Senior Manager, PwC Singapore

Aashish has close to 17 years of experience in end-to-end management of Data (Strategy, Architecture & Platforms) & Advanced Analytics solutions, having worked with clients across North America, Europe, South Africa, Middle-East & East.

He specializes in CIO Strategies, Information Governance & Maturity Assessment, Enterprise Data Architecture, Data Transformation programs, enabling Big Data & Cloud solutions and setting up Centers of Excellence for the Data Organization.

Registration fees
(all fees include 7% GST)

PwC Clients & Alumni: S$350.00
Public: S$400.00
10% group discounts for 3 participants & above

How to register

To register, simply select the course via our Training Calendar (www.pwc.com/sg/academy) and click on the chosen course date to access the digital registration form.

For any further queries, please email academy.sg@sg.pwc.com