ODA components - design practitioners' course

(Course code - ODF-3404)

Open Digital Architecture (ODA) components are reusable, plug-and-play software building blocks that perform IT and network functions, exposing their functionality through Open APIs.

Building on TM Forum's rich history in leading IT and operational transformation, and on the success of a widely used suite of standardized REST-based Open APIs, this course explains how we define ODA components as software units that can be composed into systems or solutions.

To fully realize the business benefits of using multi-vendor solutions, ODA components will enable vendor interoperability in the same way that reusable components are offered in cloud marketplaces such as Microsoft Azure, IBM Cloud and Amazon Web Services.

course objectives:

This training program will provide you with a deeper review of how ODA supports the creation of ODA components using and interaction between ODA framework models. You will grasp how to enable quality project delivery by employing guidelines, processes and a worked example that utilizes ODA principles.

Format: On-site | virtual

Level: Practitioners

Duration: 1 day

Prerequisites:
- ODF Overview (ODF-1001)
- ODA Components Fundamentals (ODF-2403)
- Business Process Framework Fundamentals (ODF-2201)
- Functional Framework Fundamentals (ODF-2303)
- Information Framework Fundamentals (ODF-2301)
- Open API Fundamentals (ODF-2401)

what will you learn?

You will be exposed to the ideas and aspects of ODA and how Open Digital Framework (ODF) assets support the initial creation of an ODA component's specification. You will be able to:

- Describe how the TM Forum's Frameworks interact.
- Interpret a proposed ODA components description against business need.
- Select appropriate business processes to meet the needs of the ODA component.
- Select appropriate business entities to meet the needs of the ODA component.
- Select appropriate functions to meet the needs of the ODA component.
- Select appropriate APIs to meet the needs of the ODA component.

who should attend?

- Technology architects, solution architects, applications developers, system architects, application owners, DevOps practitioners, Site Reliability Engineers (SRE) and the family of related roles.
- Those interested in a deeper understanding of ODA components.
- Those interested in learning about the relationship and interactions between TM Forums' Frameworks

course
certification:

A course attendance certificate is issued on satisfactory completion of the course. There is a knowledge certification exam also associated with the course material. Passing this exam counts toward skill certification with TM Forum. Find out more about certification tracks here.

what to take
next?

Digital Business Ecosystems Practitioners' ODF-3201

Business Process Framework (eTOM) Practitioners' ODF-3202

Information Framework (SID) Practitioners' ODF-3303

TM Forum Open API Practitioners' ODF-3402

ODA Practitioners' - Managing the Digital Transformation journey ODF-3001

skill
path:

This course is on the following skill path:
• ODA Components skill path.

course
syllabus

Case studies of practical uses of the Information Framework throughout the workshop. Instructor facilitated exercises.

MODULE 1

Marketplace - The ODA Directory.

MODULE 2

The functional architecture.

MODULE 3

ODA component structure.

MODULE 4

Guidelines for creating an ODA component.

MODULE 5

Process for creating an ODA component.

MODULE 6

Worked example of creating an ODA component.

MODULE 7

ODA Component Specifications