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Value Stream Management Foundation

VERSION 2

Global Best Practice

For organizations and professionals aiming to optimize flow, value, and outcomes with Value Stream Management!

Course Description

PeopleCert

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The Value Stream Management Foundation course was developed by **flowtopia**, and is offered in partnership with PeopleCert.

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Value Stream Management Foundation v2.0 Course Description

An introduction to value stream management principles, practices, and tools. Designed to optimize value flow and realization in digital value streams and develop individuals' skills. Digital value streams include software applications and services in addition to the platforms that support them, for example, cloud infrastructure or DevOps toolchains.

Overview

The Value Stream Management Foundation course from Flowtopia, offered in partnership with PeopleCert, is an introductory course taking learners through a value stream management implementation journey. It considers the human, process, and technology aspects of this way of working and explores how optimizing value streams for flow and realization positively impacts organizational performance.

Course objectives

- Describe the origins of value stream management and key concepts such as flow, value, and delivery
- Describe what value stream management is, why it's needed and the business benefits of its practice
- Describe how lean, agile, DevOps, and ITSM principles contribute to value stream management
- Identify and describe value streams, where they start and end, and how they interconnect
- Identify value stream roles and responsibilities
- Express value streams visually using mapping techniques, define current and target states and hypothesis backlog
- Write value stream flow and realization optimization hypotheses and experiments
- Apply metrics such as touch/processing time, wait/idle time, and cycle time to value streams
- Understand flow metrics and how to access the data to support data-driven conversations and decisions
- Examine value realization metrics and aligning to business outcomes, and how to sense and respond to them (outcomes versus outputs)
- Architect a DevOps toolchain alongside a value stream and data connection points
- Design a continuous inspection and adaptation approach for organizational evolution

Official Training Materials (OTM) | Learner

- Digital Learner Manual including:
  - Course slideware
  - Value-Added Resources
  - Interactive exercises and discussions designed to apply concepts
  - Case stories
  - Glossary
  - Sample papers
- Access to additional sources of information
- Option to join the PeopleCert Plus and Flowtopia membership communities

Audience

People working in an organization aiming to improve performance, especially in response to digital transformation or disruption. Any roles involved in the creation and delivery of products or services:

- Leadership and CXO, especially CIO, CTO, CPO, and CVO
- Transformation and evolution leads and change agents
- Value stream architects, managers, engineers
- Scrum Masters, agile and DevOps coaches and facilitators
- Portfolio, product and project managers, and owners
- Business analysts
- Architects, developers, and engineers
- Release and environment managers
- IT Ops, service and support desk workers
- Customer experience and success professionals

Prerequisites

None, although having a working knowledge of lean, agile, DevOps, and value stream principles will be useful.

Course Outline

Module One – Start where you are

- Where we all are
- The genesis of value stream management
- Flow, lean and systems thinking and practices
- VSM and other Ways of Working (WoW) frameworks
- Assessing your current state

Module Two – The value of flow

- The duality of VSM
- DOWNTIME in technology value streams
- Lean, DORA, SPACE and flow metrics
- Definition of Done
- Value metrics
- Benefits hypotheses
- Value streams as profit centers
- KPIs and OKRs

Module Three – Identifying a value stream

- Value streams, chains and networks
- Defining a value stream
- Value stream types
- The digital difference
- Development vs. operational streams
- Core vs. supporting streams
- Value stream networks
- Identifying improvement potential
- Flow alignment with existing frameworks

Module Four – Organizing a value stream network

- Value stream alignment
- Team types and topologies
- Project to product
- Hierarchy to autonomy

- Operating models
- Value stream people and roles
- Continuous funding
- Value realization frameworks

Module Five – Mapping flow

- Types of maps
- 10 steps to value stream mapping
- Physical and virtual value stream mapping
- AI-enabled value stream mapping
- The hypothesis backlog
- The difference between mapping and management

Module Six – Connecting your value stream data

- Digital value streams
- Value stream intelligence
- AI and actioned insights
- Value stream management platforms
- Value stream data points
- Making value stream data visible
- Common data model and tools integrations

Module Seven – Inspecting your value streams

- The 3 Pillars of Empiricism
- Organizational performance
- Visibility
- When to inspect
- Data and discovery
- Insights and trends

Module Eight – Adapting your value streams

- Transitions
- VSM capability matrix
- The culture iceberg
- Learning
- Making local discoveries global improvements
- Managing value stream interdependencies

Certification Exam

Successfully passing (65%) the 60-minute examination, consisting of 40 multiple-choice questions, leads to the Value Stream Management Foundation Certificate. This DEVOPS INSTITUTE® certification is governed and maintained by PeopleCert.

Notes

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THE LANGUAGE OF COLLABORATION

ESG Commitment

PeopleCert has been accredited by Lloyd's Register, UK (now LRQA), in accordance with ISO 14001 for Environmental Management since 2006. Recognized through numerous awards, we remain committed to ESG leadership and the preservation of our planet.