Digital Practitioner Body of Knowledge™ Standard

A Standard of The Open Group

Reference Cards

About the Digital Practitioner Body of Knowledge™ Standard

The Digital Practitioner Body of Knowledge™ Standard, a standard of The Open Group, also known as the DPBoK™ Standard, is intended to assist individuals and organizations who wish to create and manage product offerings with an increasing digital component, or lead their organization through Digital First. It provides guidance for the Digital Practitioner, whether based in a traditional "IT" organization, manufacturing unit, sales, customer support, or embedded in a cutting-edge integrated product team.

It has been developed by The Open Group Digital Practitioners Work Group (DPWG).

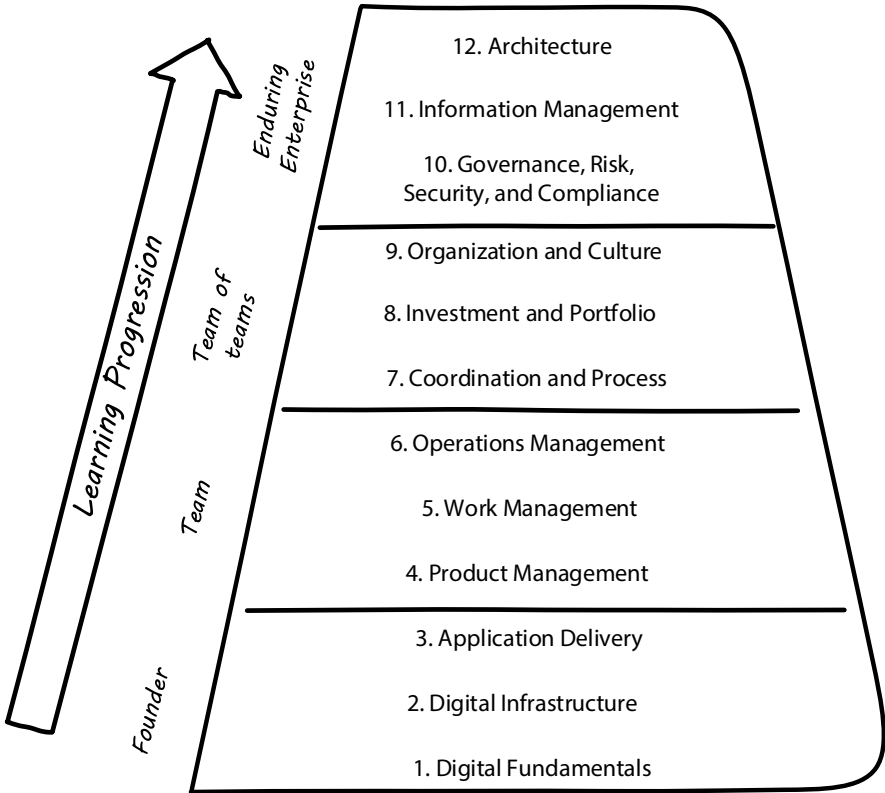The high-level structure of the document is as follows:

- Chapter 1, Introduction includes the objectives and overview, conformance requirements, and terminology definitions

- Chapter 2, Definitions includes terms and definitions

- Chapter 3, Digital First describes the key concept of Digital First

- Chapter 4, Principles of the DPBoK Standard describes the principles by which the document will evolve and be maintained, and how Digital Practitioner competencies will be defined

- Chapter 5, Structure of the Body of Knowledge describes how the Body of Knowledge is structured

- Chapter 6, The Body of Knowledge contains the Body of Knowledge, divided into four stages, called Contexts, which correspond to the stages of evolution of a digital practice

- Appendices contains the list of abbreviations used

"Finally, a sweeping and comprehensive technology body of thought leadership that is fully cognizant of the endless layers (and layers and layers) of complexity and general sense of overwhelm facing digital leaders and practitioners today. The most important aspect of this is the early and emphatic call out of the levers of change with a focus on organizational behavior, and the Copernican shift of business/customer orientation that has so often been missing or at best an aside in most technology-focused tomes.
Anyone involved in the supply chain of digital products should find enlightenment and edification for higher performance by availing themselves of this content."

Jeannine McConnell, ServiceNow, Director, Solution Consulting – Global Strategic Alliances

The DPBoK Standard comprehensively covers emerging digital practices as well as existing best practices integrated into one coherent, self-consistent framework based on scale, for organizations of all sizes and stages of their evolution, and practitioners throughout their career.
An entry point no matter who or where you are.

Overview of the DPBoK Structure

Learning Progression

Enduring Enterprise
- 12. Architecture
- 11. Information Management
- 10. Governance, Risk, Security, and Compliance

Team of teams
- 9. Organization and Culture
- 8. Investment and Portfolio
- 7. Coordination and Process

Team
- 6. Operations Management
- 5. Work Management
- 4. Product Management

Founder
- 3. Application Delivery
- 2. Digital Infrastructure
- 1. Digital Fundamentals

The Body of Knowledge is structured into four stages known as Contexts and summarized as follows:

- **Context I: Individual/Founder**
  Foundational drivers of, and technical capabilities for, delivering digital value

- **Context II: Team**
  The critical product management, collaboration, and operational skills necessary for producing digital value

- **Context III: Team of Teams**
  Key capabilities for partitioning investments and ensuring coherence, alignment, and joint execution across multiple teams

- **Context IV: Enduring Enterprise**
  Steering, managing risk, and assuring performance at scale and over increasing time horizons and increasingly complex ecosystems

DevOps and Agile are transforming the technology workforce. Of the 8 million developers and 8 million operations professionals employed globally, far too many are at risk of being left behind. Initiatives like the Digital Practitioner Body of Knowledge are critical to ensure that technology professionals have the skills needed in the marketplace.

Gene Kim, co-author of "The Phoenix Project", "DevOps Handbook", and "The Unicorn Project" (upcoming)

DIGITAL FIRST

CONTINUOUS INTEGRATION

INFRASTRUCTURE AS CODE

EVOLUTION

CX/UX

INFORMATION

GOVERNANCE

DISRUPTION

DEVOPS

CLOUD-NATIVE AND APIS

ARCHITECTURE

LEAN

PORTFOLIO

AGILE

COMPLIANCE

LEAN STARTUP

TEAM OF TEAMS

DIGITAL PRODUCT MANAGEMENT

SRE

CONTINUOUS DELIVERY

THE *Open* GROUP

DPBoK™ Foundation Certification

The purpose of certification for DPBoK Foundation is to provide validation that the individual has gained knowledge of the foundational set of concepts for the Digital Practitioner.

The certification can help:

- Those who require an introduction and basic understanding of the DPBoK Standard

- Individuals who wish to create and manage product offerings with an increasing digital component, or lead their organization through Digital First

- IT professionals working within any size organization, from a startup through to a large enterprise, that has adopted digital approaches

The learning objectives at this level focus on knowledge and comprehension.

® The Open Group
Open
Certified

DPBoK™ Foundation

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DPBoK™ Foundation Certification

Individuals who attain this credential will have demonstrated their understanding of:

DPBoK™ Foundation

- The key concepts of Digital First, and the structure of the DPBoK Standard

- The basic concepts ("the Digital Fundamentals") employed by the Digital Practitioner

- The capabilities of digital infrastructure

- The fundamental objectives and activities of application development

- Why there is need for formalized product management as a company or team grows

- The key concerns and practices of work management as a team increases in size

- The basic concepts and practices of operations management in a digital/IT context

- How to coordinate as an organization grows into multiple teams and multiple organizations

- IT investment and portfolio management, including finance, sourcing, portfolio management, service catalogs, and project management

- Organizational structure, human resources, and cultural factors, as an organization goes through the "team of teams" transition

- Governance, risk, security, and compliance, as an organization operates at enterprise scale

- Information and data management on a large scale, including the establishment of formal governance, control, and management techniques for information

- Practices and methods for managing complexity using Enterprise Architecture

DevOps and Digital Transformation require a transformed workforce, educated on a cloud native foundation of infrastructure as code and continuous delivery. As the biggest single contributor to the open source Jenkins project, CloudBees is pleased to see an open and collaborative model applied to the critical domain of knowledge sharing. The DPBoK™ Standard pioneers new ground in both its content and approach, helping people develop the knowledge and skills needed to succeed in the fast-paced digital economy.

Sacha Labourey, CEO CloudBees

About The Open Group

Leading the development of open, vendor-neutral IT standards and certifications

The Open Group is a global consortium that enables the achievement of business objectives through technology standards. Our diverse membership of more than 700 organizations includes customers, systems and solutions suppliers, tool vendors, integrators, academics, and consultants across multiple industries.

Keys facts include:

- Over 700 Member organizations, with 43,000+ participants in The Open Group activities from 126 countries

- Our Platinum Members are DXC Technology, Fujitsu, HCL, Huawei, IBM, Micro Focus, Oracle, and Philips

- Services provided include strategy, management, innovation and research, standards, certification, and test development

- Over 90,000 TOGAF® 9 certifications worldwide

Further information on The Open Group can be found at www.opengroup.org.