

DASA CERTIFICATION

ADVANCED

3 DAYS

DASA DevOps Fundamentals

Build a strong foundation in DevOps principles, culture, and ways of working to actively contribute to organizational DevOps transformation. Learn how DevOps aligns with Agile and Lean, apply automation across the product lifecycle, and use metrics, models, and shared practices to enable effective collaboration and sustainable change.

Why DASA DevOps Fundamentals?

Recognised credential

Build credibility by earning the DASA DevOps Fundamentals certification.

Break down silos

Remove institutionalised barriers that create roadblocks between teams.

Faster delivery

Improve the production environment to deliver software faster with continuous improvement.

Shared language

Align culture, automation, lean, measurement, and sharing across the organisation.

What you'll be able to do

- ✓ Participate successfully in the DevOps transformation within the organization by sharing a common understanding and vocabulary required for DevOps ways of working.
- ✓ Define and discuss the key concepts and principles of DevOps.
- ✓ Explain the core elements of a DevOps culture and its importance.
- ✓ Discuss the importance of automation and ways to implement it in the product life cycle.
- ✓ Describe how DevOps relates to Lean and Agile methodologies.
- ✓ Discuss metrics and success factors for DevOps transformations.
- ✓ Get insight into the various organizational DevOps models and related architectures.
- ✓ Explain the importance of sharing responsibility, knowledge and ways of working to enable successful collaboration.
- ✓ Identify the available resources of DASA guidance as an enabler of your DevOps implementation plan.

Who this is for

- Software Developers, Engineers and Architects
- Quality Engineers and Testers
- System and Network Engineers and Administrators
- Automation and Enterprise Architects
- Dev, Sec & Ops Engineers
- Incident, Change and Integration Managers Product Owners
- Business Analysts & Managers Operations Managers Product Managers Team Leads
- Scrum Masters and Agile Coach
- Senior Management and C-Suite Support Engineers Service Managers

- Business users working with IT

Curriculum

01 Introducing DASA DevOps Fundamentals

- Position the DASA DevOps Fundamentals certification in the DevOps learning journey
- Clarify what DevOps means for teams delivering software and services
- Introduction to the program and DASA's DevOps Principles
- Apply the concepts through guided discussion and practical exercises

02 Building the DevOps Context

- Explain why organisations adopt DevOps and what problems it addresses
- Connect business outcomes to ways of working across delivery and operations
- Defining DevOps and understanding its need in the business world
- Apply the concepts through guided discussion and practical exercises

03 Culture

- Build a collaborative culture that reduces silos between development and operations
- Promote psychological safety, ownership, and continuous learning habits
- Introduction to DevOps Culture, understanding DevOps culture in the context of teams and leadership
- Apply the concepts through guided discussion and practical exercises

04 Automation

- Identify where automation accelerates delivery without hiding process debt
- Use automation to support continuous integration and reliable releases
- The need for automation, understanding how automation enables continuous delivery, modern infrastructure and cloud computing
- Apply the concepts through guided discussion and practical exercises

05 Lean

- Apply Lean thinking to reduce waste and shorten feedback loops
- Focus flow of value from idea to production
- Getting familiar with lean, agile, product management, service management along with site reliability engineering and value management
- Apply the concepts through guided discussion and practical exercises

06 Measurement

- Choose metrics that support improvement rather than vanity reporting
- Use measurement to inspect outcomes and guide DevOps practices
- Basics of measurement, measuring value, typical devops metrics, monitoring & analytics
- Apply the concepts through guided discussion and practical exercises

07 Sharing

- Encourage knowledge sharing across teams and functions
- Make feedback and learning visible so improvements stick
- Understanding organisational models, roles in DevOps teams and team autonomy.
- Overview of IT architecture that enables sharing and DevOps at scale

08 DASA Guidance

- Apply DASA competence and guidance models to team roles
- Map Fundamentals concepts to practical organisational scenarios
- Discovering the DASA Big Picture, talent portfolio, guidance portfolio, community and recognition
- Apply the concepts through guided discussion and practical exercises

09 Capstone: Exam Preparation

- Review CALMS themes and DASA Fundamentals exam domains
- Practise scenario questions that connect culture, automation, lean, measurement, and sharing
- Identify knowledge gaps and create a short revision checklist
- **Hands-on:** Complete a timed practice set and debrief incorrect answers