



CERTIFICATION

# DASA PLATFORM ENGINEERING

De-risk, optimize, and get maximum value from your platform engineering investments.

16 HOURS • PROFESSIONAL LEVEL

DASA CERTIFICATIONS ARE VALUED BY PROFESSIONALS FROM LEADING ORGANIZATIONS





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## MEET DASA

# Where Will the World's Largest DevOps and Agile Industry Body Take You?

DASA is the world's largest DevOps and Agile industry body, fostering creation of practical guidance and talent development solutions towards building high performance IT functions.

DASA manages platforms where experts, leaders, and practitioners from IT functions participate to learn through communities, workshops, and structured talent development solutions.

DASA facilitates continuous talent development and nurturing for several key existing and emerging roles within high performance teams and functions.

With 300+ member and partner organizations in our ecosystem, DASA helps define, inform, and advance the DevOps industry through networking, knowledge sharing, awards, continuous learning, and certifications.



2016

Founded



300+

Organizational Partners



50+

Countries



20k+

Certified Professionals



40K+

Community Members

## DASA PLATFORM ENGINEERING

# De-risk, Optimize, and Get Maximum Value From Your Platform Engineering Investments With DASA Platform Engineering

Design a platform engineering strategy that meets your customer and business needs. Align your platform vision with organizational goals, treat the platform as a product, and build a platform with best developer and customer experience. Contribute to your organization's success with reliable, scalable, and efficient systems, while thinking beyond-the-build.



## Modules

- 01 Deciphering Platform Engineering
- 02 Relationship Between DevOps and Platform Engineering
- 03 Stakeholder Management in Platform Engineering
- 04 Accelerating DevOps Culture with Platform Engineering
- 05 Platform as a Product
- 06 Building Developer Experience
- 07 Infrastructure as Code in Platform Engineering
- 08 CI/CD in Platform Engineering
- 09 Role of Containerization in Platform Engineering
- 10 Monitoring, Logging, and Incident Response
- 11 Platform Engineering beyond Design & Development

## LEARNING OBJECTIVES

# What You Will Be Able to Do After Completing This Certification

- ✓ Articulate the importance and requirements of Platform Engineering. Understand its core principles and effectively communicate its value to stakeholders.
- ✓ Align Platform Engineering strategies with business vision and goals. Ensure your platform initiatives support key organizational objectives.
- ✓ Leverage your platform to promote cultural shifts and advance DevOps transformation. Foster a culture of innovation and continuous improvement.
- ✓ Treat the platform as a product, focusing on high-quality delivery that meets user needs. Adopt a product mindset for maximum impact.
- ✓ Develop a strategy for building a superior developer experience. Ensure your platform is intuitive, efficient, and prioritizes user needs.
- ✓ Create a strategy for using Infrastructure as Code (IaC) in Platform Engineering. Leverage automation for consistency, reliability, and scalability.
- ✓ Illustrate how CI/CD is simplified with Platform Engineering. Integrate continuous integration and delivery practices to enhance software delivery.
- ✓ Explain the role of containerization in Platform Engineering. Improve application deployment, scalability, and management with containerization.
- ✓ Comprehend best practices for monitoring, alerting, and incident response. Implement effective systems to ensure platform reliability and resilience.
- ✓ Devise a plan for platform beyond the build. Focus on long-term maintenance, scalability, and evolving your platform over time.

## Is This for Me?

This certification is perfect for beginners eager to gain foundational skills, professionals aiming to enhance their expertise, product managers wanting to build and manage efficient platforms, and leaders who sponsor platform engineering initiatives.

Take this program to align your platform vision with organizational goals, drive business agility, and maximize the value of your platform investments.

## MODULES

# What Will You Learn

### MODULE 01

#### Deciphering Platform Engineering

Gain a foundational understanding of platform engineering, exploring its key concepts, objectives, and the role it plays in modern IT operations and digital transformation.

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Introduction to the foundational concepts and objectives of platform engineering.

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Understanding the impact and importance of platform engineering within a business.

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Outlining the fundamental principles that guide effective platform engineering practices.

### MODULE 02

#### Relationship Between DevOps and Platform Engineering

Examine the synergy between DevOps and platform engineering, highlighting how they complement each other to enhance software delivery and operational efficiency.

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How platform engineering addresses common DevOps challenges and anti-patterns.

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Setting up platform engineering teams using Team Topologies principles.

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The interplay between core DevOps concepts and platform engineering.

### MODULE 03

#### Stakeholder Management in Platform Engineering

Learn strategies for effectively managing and engaging stakeholders in platform engineering projects, ensuring alignment and successful project outcomes.

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Ensuring a shared vision and goals for successful platform engineering implementation.

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Identifying the essential roles and contributors within platform engineering teams.

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Strategies for gaining stakeholder buy-in and support for platform engineering initiatives.

### MODULE 04

#### Accelerating DevOps Culture with Platform Engineering

Discover how fostering a DevOps culture can accelerate efforts, emphasizing collaboration, continuous improvement, and shared responsibility.

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Strategies for overcoming silos to enhance collaboration in platform engineering.

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Encouraging team empowerment and ownership for better outcomes in platform engineering.

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Fostering a customer-centric mindset to drive value in platform engineering initiatives.

## MODULES

# What Will You Learn

### MODULE 05

#### Platform as a Product

Understand the concept of treating the platform as a product, focusing on delivering values, maintaining high standards, and evolving the platform to meet changing needs.

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Understanding the need to treat the platform as a product for better alignment with user needs.

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Applying the customer development method to validate platform requirements and solutions.

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Implementing continuous improvement practices to enhance platform performance and user satisfaction.

### MODULE 06

#### Building Developer Experience

Explore techniques for building an exceptional developer experience, ensuring that platforms are user-friendly, efficient, and conducive to high productivity.

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Identifying the key elements that contribute to a positive developer experience (DX).

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Exploring the relationship between the customer journey and developer experience.

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Developing effective strategies for creating and enhancing developer experience.

### MODULE 07

#### Infrastructure as Code in Platform Engineering

Delve into Infrastructure as Code (IaC) practices within platform engineering, learning how to automate infrastructure provisioning and management.

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Understanding the significance of Infrastructure as Code (IaC) in modern IT environments.

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Exploring advanced concepts and practices within Infrastructure as Code.

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Identifying and utilizing key tools for implementing Infrastructure as Code.

### MODULE 08

#### CI/CD in Platform Engineering

Investigate the role of CI/CD in platform engineering, streamlining the software development lifecycle and enhancing deployment speed and reliability.

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Understanding the role of Continuous Integration and Continuous Deployment.

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Developing effective strategies for implementing CI/CD processes in platform engineering.

## MODULES

# What Will You Learn

### MODULE 09

#### Role of Containerization in Platform Engineering

Analyze the impact of containerization, focusing on how containers enable scalability, portability, and efficient resource utilization.

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Exploring the relationship between containerization and Infrastructure as Code (IaC).

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Understanding how containerization supports and enhances microservice architecture.

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Examining the integration of containerization with the CI/CD pipeline for efficient deployment.

### MODULE 10

#### Monitoring, Logging, and Incident Response

Study best practices for monitoring, logging, and incident response within platform engineering, ensuring robust system health and rapid issue resolution.

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Implementing best practices for effective monitoring and logging in platform engineering.

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Setting up robust alerting and monitoring solutions to ensure system reliability.

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Developing strategies for efficient incident response and troubleshooting in platform engineering.

### MODULE 11

#### Platform Engineering beyond Design & Development

Explore the broader aspects of platform engineering, including maintenance, governance, and long-term evolution of platforms to meet ongoing business needs.

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Exploring design strategies that foster innovation and ensure scalability in platform engineering.

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Understanding how evolving technology trends impact platform engineering practices.

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Collaborating with development teams to continuously improve and enhance the platform.



“This course is a great fit for platform engineers and leaders aiming to better align their platform strategies and tools. It offers valuable insights into building high-performing infrastructure that aligns with organizational goals.”



GOVARDHANA MIRIYALA KANNAIAH  
NeuVeU

# Validate and Recognize Your Expertise

Achieving certification and earning the digital badge from DASA validates your expertise and proficiency.

Recognized globally, DASA certifications serve as a trusted benchmark of professional competency in the field.

Upon successfully passing the exam, you will be awarded a DASA digital badge and the relevant digital certificate, enhancing your professional profile.

This recognition not only highlights your achievement but also boosts your CV's credibility and gives you a competitive edge in the job market.



## Exam Details

Delivery	Online Proctored
Format	Closed-book
Proctoring	Automated
Duration	80 minutes
Questions	40 Questions
Pass Grade	65%

## BENEFITS TO THE BUSINESS

# Expected Business Results from Platform Engineering



### Improved Operational Efficiency

Streamline processes and workflows, reducing downtime and boosting overall performance.

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### Enhanced Reliability and Stability

Ensure consistent, dependable performance with fewer disruptions and failures.

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### Better Resource Utilization

Maximize the efficiency and effectiveness of your workforce and technology assets.

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### Increased Productivity

Empower teams to achieve more with optimized tools and automated tasks.

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### Innovation and Competitive Advantage

Foster a culture of innovation, staying ahead of competitors with cutting-edge solutions.

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### Increased Security & Compliance

Strengthen security measures and ensure adherence to regulatory standards.

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### Scalability and Flexibility

Easily adapt to changing demands with a robust and adaptable platform architecture.

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### Faster Time to Market

Accelerate the development and deployment of new features and products.

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### Increased Developer Satisfaction

Enhance the developer experience, leading to higher morale and retention rates.

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