



DevOps in Public Sector

TRAINING

Bridging Gaps with DevOps: Teamwork and Tools for Success



Facilitated by
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Overview

According to a study by Accenture in 2020, global adoption of DevOps practices is projected to yield an astonishing \$2.2 trillion in economic value by 2030. This vast economic value comprises substantial cost savings, increased revenue streams, and heightened operational efficiency across various sectors. Furthermore, organisations that embrace DevOps, as reported by the DevOps Institute, can experience a 22% boost in software delivery performance and a 50% reduction in time to market. These statistics highlight the immense potential of DevOps to revolutionise government processes and drive significant economic growth.

Public sector organisations across the world are increasingly recognising the power of DevOps as an enabler of innovation and as a tool to achieve operational efficiency. Foundational DevOps skills can foster digital innovation, enhance service delivery, and promote a culture of continuous improvement, ensuring their continued leadership in digital governance.

However, technology and innovation specialists encounter challenges in adopting DevOps principles within government environments. One of the key hurdles is the need to adhere to strict regulations, compliance standards, and security protocols.

This online training will tailor solutions to these challenges the need to adhere to strict regulations, compliance standards, and security protocols. It equips participants with the knowledge and skills required to implement DevOps concepts while ensuring compliance with government regulations. By bridging this gap and providing practical guidance, the course empowers participants to overcome these obstacles and reap the benefits of DevOps in the public sector.

Why Attend

- Learn from the comfort of your own space, which is especially important in today's remote work environment.
- Stay in the loop with the latest industry trends and best practices.
- Enhance your skills, vital for advancing your career in the public sector.
- Discover practical solutions to real-world problems encountered in government work.
- Acquire tools to make government processes and service delivery more efficient.
- Connect with fellow professionals who share the same issues and experiences.

Learning Objectives

- **Effective Use of DevOps Tools:** gain hands-on experience with a variety of DevOps tools and learn how to choose, configure, and use them effectively in virtual environments, enabling them to automate and optimise software development and delivery processes.
- **Collaborative Remote Work:** develop the skills to work collaboratively with distributed teams, employing virtual communication and project management tools to enhance productivity, streamline communication, and maintain cohesion in a virtual DevOps environment.
- **Continuous Integration and Deployment:** become proficient in setting up and managing CI/CD pipelines in virtual environments, facilitating automated code integration, testing, and deployment, resulting in faster, more reliable software releases.
- **Infrastructure as Code (IaC):** understand the principles of IaC and gain practical experience in using tools like Terraform or Ansible to create and manage virtualised infrastructure, promoting consistency and scalability in their systems.
- **Align DevOps Methodologies with Regulatory Guidelines:** Align DevOps implementation by integrating processes, tools, and automation following government regulations, ensuring a seamless blend of efficiency and compliance.

Who Should Attend

- DevOps Engineer
- IT Project Manager
- Service Desk
- Support Analyst
- Database Administrator
- Quality Assurance
- Test Engineer
- Infrastructure Manager
- Compliance and Regulatory Specialists

Meet Your Facilitator



Facilitated by
KISHORE GADDAM
Professional Trainer
Astrani Technology Solutions LLC

Kishore Gaddam, Professional Trainer at Astrani Technology Solutions LLC is a seasoned technology and digital transformation SME/leader with over 25 years in corporate IT. He specialises in enterprise architecture, DevOps & DevSecOps, AI/ML and cloud technologies for Fortune 500 companies across diverse industries. His focus on delivering large-scale Hybrid-Cloud applications, leveraging expertise in DevOps & DevSecOps Infrastructure as Code, MLOps, AIOps, and CI/CD/CM.

As a Scaled Agile, DevOps & DevSecOps Trainer and Consultant, Kishore excels in DevOps & DevSecOps coaching, mentoring, and teaching, guiding teams through conception to execution. A published author in developing enterprise cloud applications, he emphasises enterprise agility, concentrating on strategy and transformation across business, people, processes, and technology. Security is paramount in his approach, seamlessly integrating DevOps & DevSecOps principles throughout the development lifecycle. Kishore has extensive experience successfully restoring “healthy” DevOps & DevSecOps practices and transforming existing teams back into high-performing teams and instilling a culture of continuous enhancement within teams and organisations.

Preparation

This training session is highly interactive with group activities and discussions throughout. Come prepared with some current challenges you are facing in your organisation.

To participate you'll need:

- A computer with a camera and microphone
- Strong internet connection
- Quiet, well-lit space
- Current challenges you are facing

Register Early & Save

Extra Early Bird	Early Bird	Standard Price
Register by 15 th Mar	Register by 12 th Apr	Register by 29 th May
\$795 + GST	\$995 + GST	\$1,195 + GST
Save \$400	Save \$200	-

[CLICK HERE TO REGISTER](#)

*Group Discounts Available - Contact Registration at registrations@publicsectornetwork.com or Call on **(02) 9057 9070**

10:00am Opening Remarks

- Welcome
- Introductions
- Overview and Setting Expectations

Module One: Introduction and Principles

10:30am Introduction to DevOps and the Three Ways

- First Way: The Principles of Flow
- Second Way: The Principles of Feedback
- Third Way: The Principles of Continual Learning and Exploration

11:45am CALMS DevOps Principles

- Culture
- Automation
- Lean
- Measurement
- Sharing

12:30pm Break

Module Two: Strategies and Integration

1:00pm Lean Thinking and Value Stream

- Lean Principles
- Introduction to Value Stream
- Difference between Process Mapping and Value Stream
- Metric and Measurement in Value Stream

1:45pm Continuous Integration

- Automated Testing
- Failure and Rollback Strategies
- Principles of Continuous Integration
- Practices of Continuous Integration

02:30pm End of Day 1

10:00am Welcome and Recap

Module Three: Optimising Software Delivery

10:15am Continuous Delivery

- Principles of Continuous Delivery
- Feature toggling
- Blue-Green Deployment
- Canary Release

11:00am Infrastructure as Code

- Automation and scalability
- Parametrisation and variable in IaC
- Secrets Management in IaC
- Evaluate IaC platforms including Terraform, Ansible and Chef

11:45pm Break

Module Four: Metrics, Measurements and Continuous Improvement

12:15pm Metrics and Measurement in DevOps

- KPI in DevOps
- DORA Metrics
- Security Metrics in DevOps

1:00pm Continuous Learning and Improvement in DevOps

- Learning Organisation
- Site Reliability Engineering (SRE)
- Security in DevOps, (DevSecOps)
- Chaos Engineering

02:15pm Closing Remarks

02:30pm End of Training



Get In Contact

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