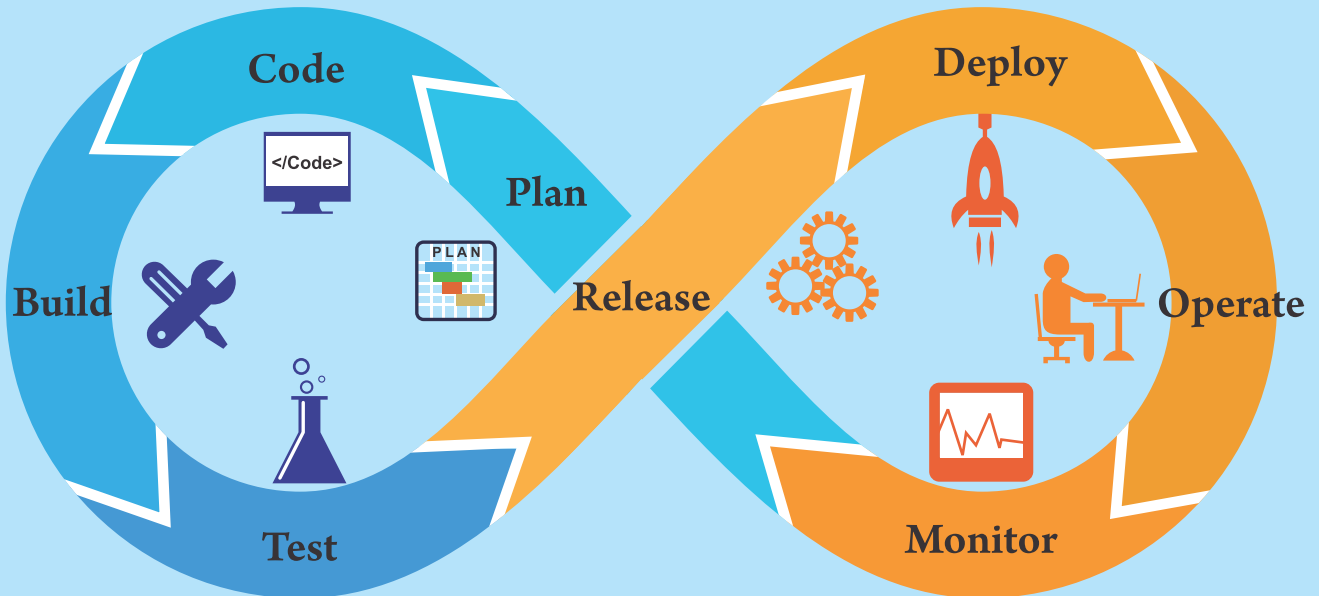




Vendor-Neutral Global IT Certifications

## Star Certified DevOps Expert

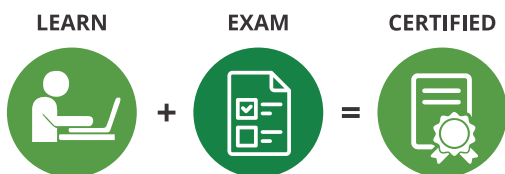


The Most Efficient  
Disruptive Technology

# “DevOps”



Exam Code: S08-515



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# Star Certified DevOps Expert

Every IT industry needs to keep a separate track of their development and operation processes independently. As a game-changing technology, DevOps supports modern business processes and makes a big difference in inter-relating these two independent processes. DevOps has software development methods that highlight collaboration and open communication between teams to create robust, more failure-proof software. Teams that have adopted the DevOps ethos have a better chance to handle IT incidents and suffer less downtime. As more and more companies adopt DevOps, it is expected that 80% global fortune companies will benefit from DevOps by end of 2020.



The **Star Certified DevOps Expert (SCDE)** certification training is the most relevant certification for DevOps practitioners. This certification course will help the learners master the key DevOps concepts including configuration management, continuous integration deployment, delivery and monitoring using DevOps tools such as Git, Docker, Jenkins, Ansible, and Nagios in a practical, hands-on and interactive approach.

The SC DE certification focuses on all the major tools required to implement DevOps in an organization. DevOps to automate agile methodology and Docker container are covered in this course, with more emphasis on using multiple tools for implementing DevOps process. Effective implementation of DevOps is to create a trust among development and operation people and how it is possible using Blockchain also feature in this course.

**Audience:** The SCDE certification assumes that the learner is an IT student or an IT professional having experience in Linux. This course suits both beginners as well as intermediate IT professionals.

## Course Objectives:

In this course, you will learn about:

- DevOps methodology and its key concepts
- Cloud computing and DevOps
- Continuous integration concept
- Popular DevOps tools like Docker, Puppet, Chef and SaltStack
- System monitoring using Splunk
- The concept of version control with Nagios
- Linux for DevOps
- Source code management with Git
- Configuration management in DevOps

## Course Outcome :

After completing this course, you will be able to:

- Explain DevOps methodology and its key concepts
- Understand cloud computing and virtualization concepts
- Use DevOps tools like Ansible, Chef, Jenkins and SaltStack
- Manage source code using Git
- Help organisations to reduce their downtime
- Deploy DevOps concepts to respond faster to client needs
- Explain version control with Nagios

## Course Outline :

1. Basics of Software Engineering Agile Methodology and DevOps Process
  2. Exploring Linux for DevOps
  3. Cloud Computing and DevOps
  4. Managing Source Codes
  5. Building the Code
  6. Automated Testing and Test-Driven Development
  7. Continuous Integration and its Tools
  8. Managing Configuration in DevOps
  9. Docker in DevOps
  10. Puppet and Chef for DevOps
  11. SaltStack for DevOps
  12. System Monitoring in DevOps using Splunk
  13. Nagios for DevOps
- Appendix: DevOps and AI-ML  
Appendix: DevOps and Blockchain  
Appendix: DevOps and Geneos  
Appendix: DevOps and IoT

## Exam Information:

Exam Code	: S08-515	Exam Pattern	: Multiple Choice
Exam Duration	: 3 Hrs	Exam Delivery	: AEPTC (ACADEMIC EDUCATION & PROFESSIONAL TESTING CENTER)
Passing Score	: 70%		

**Course Duration :** 80 Hrs