



KIET Group of Institutions, Delhi-NCR, Ghaziabad

Department of Computer Applications

(An ISO – 9001: 2015 Certified & ‘A+’ Grade accredited Institution by NAAC)



**Industrial Training
Presentation ON
DevOps**

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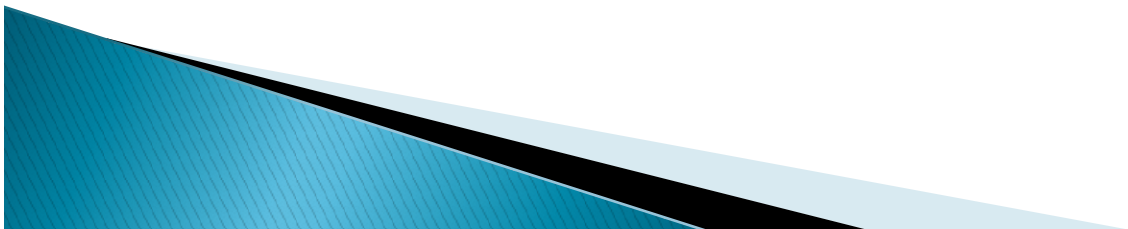
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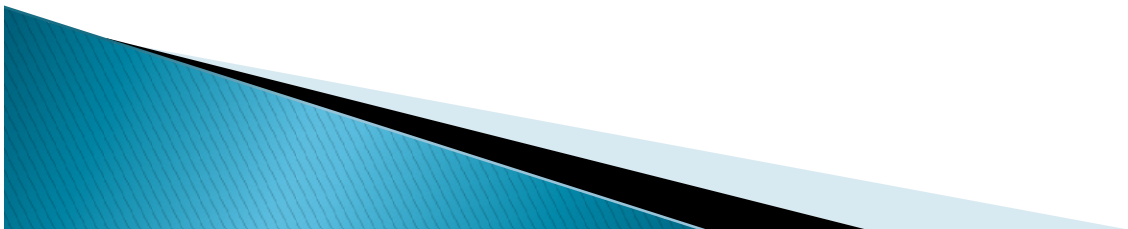
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What is DevOps?

- ▶ DevOps is a set of practices that combines software development and IT operations. It aims to shorten the systems development life cycle and provide continuous delivery with high software quality.
- ▶ The word 'DevOps' is a combination of two words 'development' and 'operations.'





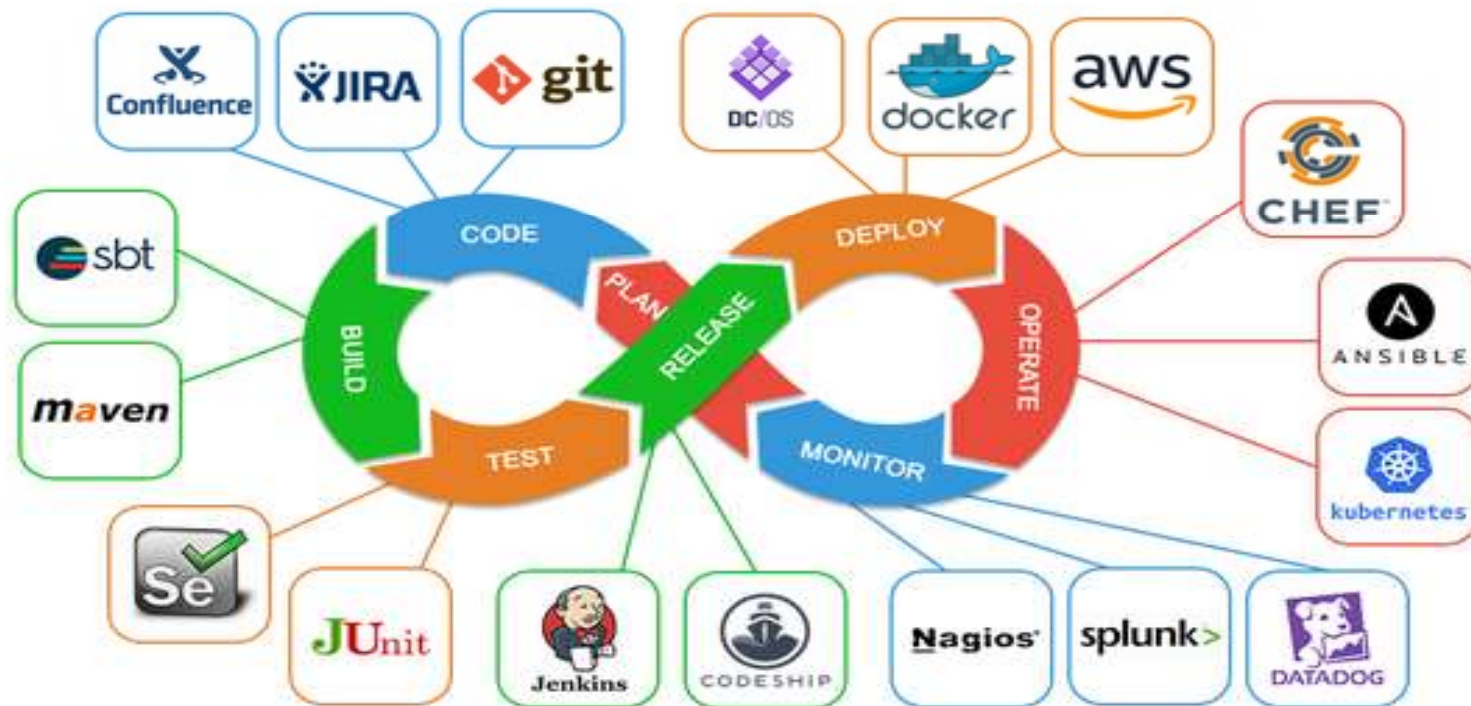
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DevOps life cycle





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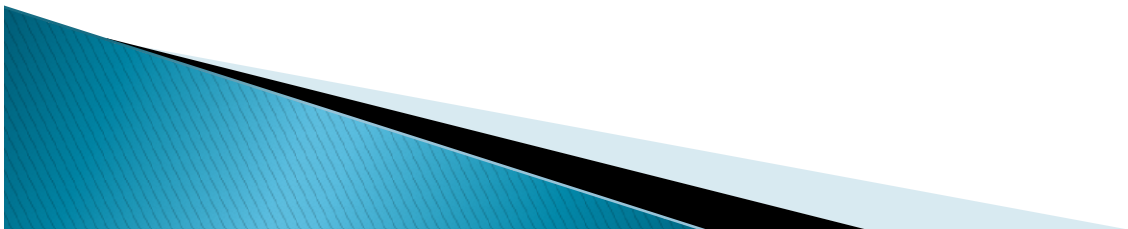
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What's in it for you?

- ▶ Collaboration and trust
- ▶ Release faster and work smarter
- ▶ Accelerate time to resolution
- ▶ Better manage unplanned work





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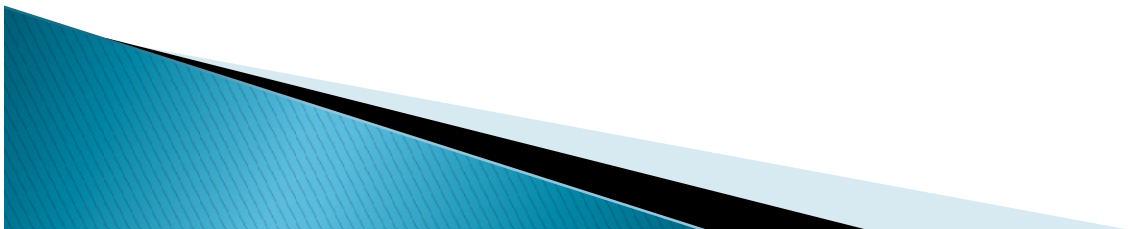
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DevOps Principles

- ▶ The main principles of DevOps are automation, continuous delivery, and fast reaction to feedback.
- ▶ DevOps pillars in the CAMS acronym:
 - Culture represented by human communication, technical processes, and tools
 - Automation of processes
 - Measurement of KPIs(Key Performance)
 - Sharing feedback, best practices, and knowledge





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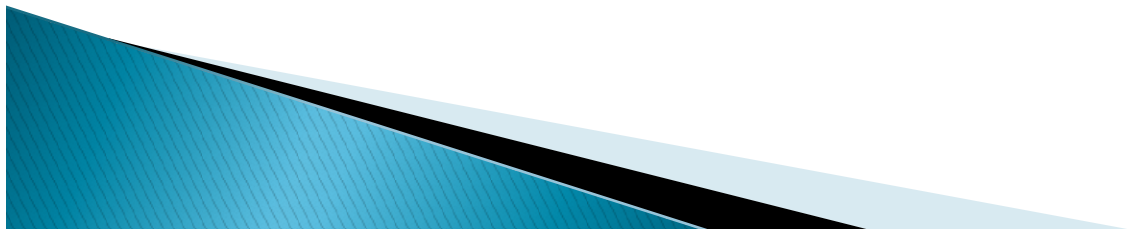
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Roles and Responsibilities of a DevOps Engineer

- ▶ Develop large scale software solutions in at least one of these languages Python, .NET, Java, and JavaScript.
- ▶ Hands-on experience with Cassandra and MySQL.
- ▶ Linux server administration experience or a deep understanding of Linux/Unix
- ▶ Hands-on experience using Puppet, or Chef, or any other configuration management tool.





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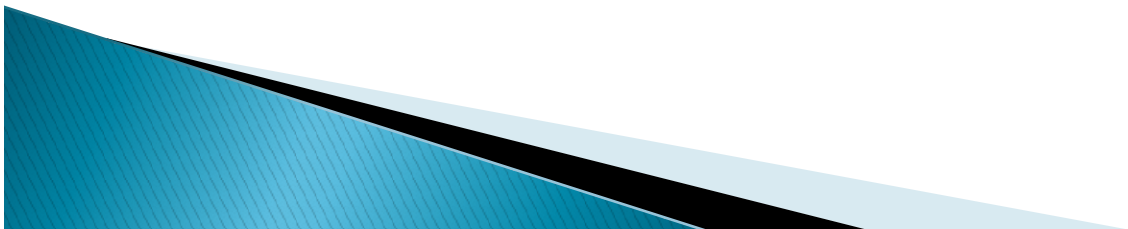
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Automation Tools

1. Prometheus
2. Ganglia
3. Snort
4. Splunk
5. Nagios
6. Chef
7. Sumo Logic
8. OverOps





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Thank You!

