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Module 1.3

The History of DevOps

The Lean Movement

The Lean within DevOps refers to a methodology taken from the Ford Motor Company to employ continuous improvement. The method aims for optimizing all processes within the workflow and aiding where it may fall short. Not to keep too much work either built up and not completed or queued for completion for the clients so that neither direction would have to wait too long. Creating teams as well that specialize in certain roles so that as it passes from one to another it can be improved upon and not leave behind any blemishes if possible.

The Agile Manifesto

The manifesto was a collection of methodologies created by seventeen developers as a way to create a list on how to be Agile. It is referred to as a relatively brief document that consists of only twelve principles on how to achieve Agile. Of those twelve principles they are based on four primary values that are one the individuals and

interactions are greater than the processes and tools used. The working software in the system is more important than comprehensive documentation. Customer collaboration affects the program more than the contract negotiation since it allows for changes more naturally. Finally the act of responding to change over following a plan. To be agile is to be able to react to changes and adapt more quickly to said changes.

The Continuous Delivery Movement

Continuous Delivery is the practice of ensuring the current software is ready to be deployed at any time. This is achieved by actively testing every change that is made so that no folly could occur if deployed. It works hand in hand with Continuous Integration where the developers frequently push the current software into the repository so that it is always ready. The method of continuous delivery does incorporate a lot of collaboration for the team. Any push made to the repository requires the rest of the team to approve it therefore the process boosts the collaboration between coworkers. The added bonus to this is the faster speeds at which the new features come to the hands of the consumer or general public as well.

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