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The principles underpinning DevOps

What I found when researching The Principles Underpinning DevOps is that there seem to be 3 ways. These are the principles that all of the DevOps patterns can be derived from..

The First Way, “The Principles of Flow”, hone’s in on the performance of the entire system, instead of the performance of a specific department or silo of work. So basically, it begins when requirements are identified, built in Development, and transitioned to IT Operations. It’s then delivered as a form of service to the customer. Really you put the First Way into practice because it includes limiting work in progress, reducing batch size, reducing the number of hand offs between teams, and removing the constraints of waste.

Then there is the Second Way “The Principle of Feedback”, which is about creating the right to left feedback loops. It’s the goal of almost any process improvement or initiative. It’s to shorten and amplify feedback loops so the necessary corrections can be continuously made. The outcomes of the Second Way include understanding and responding to all of the customers your dealing with, both internal and external, shortening and amplifying all the feedback loops so things can always be corrected and then embedding knowledge where we need it.

Finally, we come to The Third Way “The principle of Continuous Learning”. This way basically creates a culture that fosters 2 things. It fosters continual experimentation, basically taking risks and learning from failure. It also fosters an understanding that repetition and practice are the prerequisites to mastery. Now we need both of these equally. The outcomes of the Third Way if we look include allocating time for the general improvement of daily work, creating rituals that reward folks for taking those risks and introducing various faults into the system to increase resilience of the system.

All have something important to add to your DevOps transformation. If we implement the ones that help us the most our problems can also develop into our solutions. This is why teamwork is key.

Works Cited:

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