

Problem

In modern IT companies there are often two sides: agile software developers, using processes like Scrum with a high flexibility on the one hand, and system administrators responsible for the stable operation of the IT, using techniques focusing on stability of operations like ITIL.

Or, set in phrases, you have "**release early, release often**" vs "**never change a running system**"

Solution

Building bridges between these two worlds, between developers and administrators, helps solving this problem. By establishing **devOps** (from **DEV**elopment + **OP**eration**S**) principles a company can bridge these gaps.

Developers + Operations = DevOps

Releases

Release often. Releasing often is a core requirement of agile development, and thus is a must for processes or products relying on software development. Also, frequent releases lead to smaller changes in each iteration which makes deployment easier for operations.

Cooperation

Developers and administrators respect each other. They both work towards the same goal: running a successful business. Developers and administrators cooperate and exchange within teams and meetings. Developers understand the operating requirements, and administrators understand the basics of the code. This broad perspective goes hand in hand with an open mind towards communicating with "the others"

Flexibility

devOps oriented team members are interested in new technologies, methods, languages, tools - and willing to learn them, to adopt those. This strongly implies the willingness to learn from "the others". And it also means that new technologies (Cloud, Virtualization,...) are integrated where it makes sense and where it helps the processes.

Tools

Developers and administrators automate as much as possible of their daily work - using the same tools in their processes. For example, both deploy via the same Foreman, both manage configuration with shared Puppet recipes, the source code is managed in the same Git, and errors and bugs are tracked in the same ticket system.



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