

Getting Application Developers Onboard the DevOps Train

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Shifting Left

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Focusing on tackling issues early in the development cycle

There are several facets to shifting left

Quality, security, deployment, performance, and others

The overall objective is shipping high-quality software more efficiently

For some, that may mean faster

For others, it may mean more predictably

Or how about both? 😊

It's not all about the developers

However, they're central in the success





For Developers? One More Thing To Do

One More Thing To Do

- Developers just want to code
- They're already under date pressure
- Build and deployment work are just added tasks
 - They don't get figured into backlog and stories
- They may be interested in how the software is deployed
 - But, for the most part, it's not that important to them
- Working with other teams (e.g. DevOps) just "slows things down"



However

Deployment Matters

What is the purpose of developing applications?

There are always exceptions, but they are few and far between

Deployment begins with the first line of code

Shifting left

Consistent deployment strengthens the process

Works out the kinks

Gradual roll out of new technologies and services

Deployment included in Definition of Done

Calling it out in stories or sprints should not be necessary



Easing Developers In

Easing Developers In

- Step one – the fear of change
- The organization is behind them
 - Assure teams that the business understands the addition requirements
 - Inform teams that they are helping drive competitive advantage
- Realigning focus
 - Perhaps realigning KPIs
- What's in it for me?
 - More input into the build and deployment process
 - Turns out they really do care
 - Feedback loop is tighter

Suggestions

Strategies

Prepare the Organization

- Are there multiple departments involved?
- Introduce team members
- Understand that, initially, it'll be a bumpy ride

Deploy code in the first sprint

- Gets the mechanics in place

Automation and Tooling

- Developers don't really mind adding to their workload – if it's automated
- Find best of breed tools that work well with existing tools

Replicate production everywhere

- Developers need a personal production environment
- Development teams need a shared production environment
- Use the same deployment tools and scripts

In Conclusion

- Shifting left starts with development
 - It's foundational – not an add-on
- Getting developers on board requires organizational backing
- Work to the point where deployment anywhere is a “non-event”
- Automation and tooling that helps everyone get their job done
- Straightforward replication of production environment is a must

In Conclusion

Questions/Comments?

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