Getting Application Developers Onboard the DevOps Train

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Shifting Left



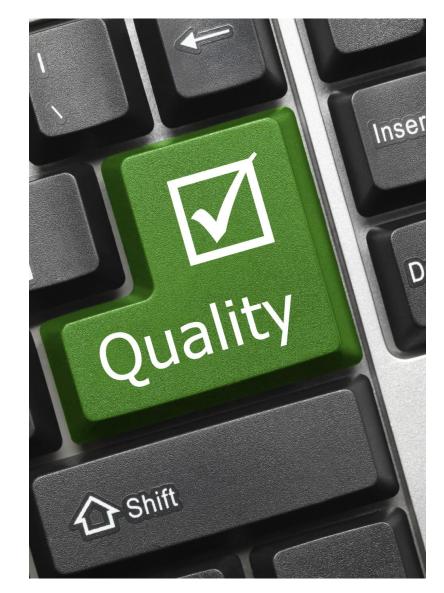
Shifting Left

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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