

Title:

Software Configuration Management in a DevOps context

Abstract:

The initiating problem that aroused our curiosity was that often it seems that DevOps and traditional software configuration management (SCM) is a mismatch. Like children and parents apparently they don't understand each other. As "die-hard" SCM people we know that all types of projects need configuration management. So how can we reconcile SCM and DevOps so they live together happily ever after?

Projects are not alike and there is no single "one size fits all" SCM that will work in all contexts and for all development methods. DevOps projects probably need SCM done in a different way and operationally by different (non-SCM) people – but how? We have analysed the practices, activities, and goals of DevOps – and identified areas of DevOps where SCM can be helpful and supportive. We also analysed "the empire of SCM" and found SCM activities that should probably be carried out also in a DevOps context in order to make things work better and more smoothly.

What are the relations between SCM and DevOps?

- what things from traditional SCM are not needed in a DevOps context?
- what new thing need to be added to the SCM toolbos?
- how should "old principles" be cast in a DevOps context?
- how could SCM sell itself to DevOps?
- why should DevOps buy SCM?