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## Scaling Agile Infrastructure to people

When CERN migrated its infrastructure away from home-grown fabric management tools to emerging industry-standard open-source solutions, the immediate technical challenges and motivation were clear. The move to a multi-site Cloud Computing model meant that the toolchains that were growing around this ecosystem would be a good choice, the challenge was to leverage them.

The use of open-source tools brings challenges other than merely how to deploy them. Home-grown software, for all the deficiencies identified at the outset of the project, has the benefit of growing with the organization. This presentation will examine what challenges there were in adapting open-source tools to the needs of the organization, particularly in the areas of multi-group development and security.

Additionally, the increase in scale of the plant required changes to how Change Management was organized and managed. Continuous Integration techniques are used in order to manage the rate of change across multiple groups, and the tools and workflow for this will be examined.

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