How to build applications on Kubernetes / OpenShift with ease of a Cloud Native IDE - Eclipse Che

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THE WAY WE DEVELOP IS RAPIDLY CHANGING

Moving to the Cloud

90%
Believe their company will move development entirely in the cloud in the next 3 years.

Adopting Containers

66%
Of enterprises are already using containers in development, test or production.

Source: Cloud development Survey 2017 - Evans Data Corp
DEVELOPERS FACE NEW CHALLENGES

**Config and Setup**

24%

Of a development team’s weekly time is spent building and maintaining developer environments.

**Dev Tool Integration**

41%

Of enterprises cite a lack of integration of development tools and process as a primary challenge of container adoption.

Source: Cloud development Survey 2017 - Evans Data Corp
It’s your first day on the project

For Phoenix, it takes us **three or four weeks** for new developers to get builds running on their machine.
Anyone, anytime can contribute to a project without installing software.
Eclipse Che

- Web based IDE (intellisense, refactoring, code snippets, quick tips, debugging, junit support)
- Runs in a Container
- Workspaces are also Containers
ECLIPSE CHE ON K8S / OPENShift

makes developing on containers easy.

- Accelerates projects and onboarding of developers.
- Removes inconsistencies and “but it works on my machine…”
- Protects source code by removing it from hard-to-secure laptops.
Benefits of running Eclipse Che in the cloud

- Secured: unprivileged containers, TLS, networking
- Multi-user ready
- Health Management
- Rolling Updates
Demo
ECLIPSE CHE RESOURCES

GITHUB REPOSITORY
https://github.com/eclipse/che

ECLIPSE CHE DOCUMENTATION
https://www.eclipse.org/che/docs/

HOW TO TRY ONLINE
https://che.openshift.io

HOW TO DEPLOY ON K8S / OPENSHIFT
https://www.eclipse.org/che/docs/kubernetes-single-user.html
https://www.eclipse.org/che/docs/openshift-single-user.html