10 Trends Reshaping the Developer Experience

...And How Red Hat Is Leading Them

Brad Micklea
Director, Product Management, Developer Tools
May 10, 2018 @ 11:15
Moscone West - 2002

S2501
DEVELOPERS HAVE THE POWER OF CHOICE
Developers Drive the Platform

58%

Of developers said they are the primary decision makers

<20%

Of developers said they had little to no influence

Source: Cloud development Survey 2017 - Evans Data Corp
DEVELOPMENT HAS CHANGED
POLYGLOT IS THE NORM

Using Many Languages

40%

Of enterprise developers are already using >3 languages in development.

Source: Cloud development Survey 2017 - Evans Data Corp
CONTAINERS ARE WINNING

Using Many Languages

40%
Of enterprise developers are already using >3 languages in development.

Adopting Containers

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

Source: Cloud development Survey 2017 - Evans Data Corp
CLOUD IS THE MODEL

Using Many Languages

40%

Of enterprise developers are already using >3 languages in development.

Adopting Containers

66%

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

Moving to the Cloud

90%

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

Source: Cloud development Survey 2017 - Evans Data Corp
WHAT ARE OUR NEXT BIG BETS?
Containers will be the atomic unit of app execution. Dev and Ops will expect most applications to be container-native...
2. The only exception will be serverless functions. Common utilities and consumption-based services will be executed as functions.
3. The Agile / CI / CD process that most organizations use will become refined, standardized and commoditized.
At least 50% of the devops toolchain and workflows will be in the public cloud and delivered through SaaS.
It will be assumed that developers install nothing on their local machine. This will be driven by velocity, agility and security goals.
Web Based IDEs will be the new default. They will be to the developer tools market what Google docs was to Office.
Most applications will be written with a mix of languages and developers will favor tools that help them navigate easily between them.
The GUI will no longer be king. Human- and machine-driven workflows will rely on APIs, CLIs and UIs ... and each needs to be beautiful.
End to end visibility will be mandated across more industries. How code is planned, built and managed will be scrutinized and regulated.
Data driven development and AI assisted coding will emerge and be the next wave of change in software development.
RED HAT SAW THIS
OUR FOCUS: MODERN. TEAMS. CLOUD.

DESKTOP TOOLS  CONTAINER-NATIVE TOOLS  SAAS TOOLS
# Our Focus: Modern. Teams. Cloud.

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Polyglot language support
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- **DESKTOP TOOLS**: DevStudio
- **CONTAINER-NATIVE TOOLS**: “openshift-do” (openshift-do), Eclipse Che
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Polyglot language support

Development in containers

- Reduce workspace setup and management time
- Enable better decisions
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- Polyglot language support
- Development in containers
- Reduce workspace setup and management time
- Enable better decisions
- Improve and standardize end to end process
WE WILL PRODUCTIZE ECLIPSE CHE
WE WILL ADD SERVERLESS FUNCTIONS TO OUR IDE
WE WILL ADD ENTERPRISE FEATURES TO OPENSSHIFT.IO
WE WILL ADD ANALYTICS TO ALL OUR DEVELOPER TOOLS
WE WILL CONTINUE TO LEAD THE OPEN SOURCE WAY
THANK YOU

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youtube.com/user/RedHatVideos