The SUSE Developer Program

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Why Are Developers Important for SUSE?

- Developers are becoming an increasingly *scarce human resource*
- Amount of *complexity* developers deal with increases dramatically
- Industry responds with *abstraction layers* and *automation*
- Increasing number of “developer middleware” open source projects
- “Everything” moves to the Cloud, and the Cloud runs Linux

SUSE invests into Developer Experience

- **SUSE has decided to consciously invest into**
  - Building developer communities around SUSE and our products
  - Driving superior Developer Experience across the entire product portfolio
- **Creation of dedicated Developers Relation teams has been a major industry trend for the last couple of years**
- **Meet the SUSE Developer Engagement team – come see us in the DevZone on the showcase floor**

Ferenc Székely

Marco Varlese

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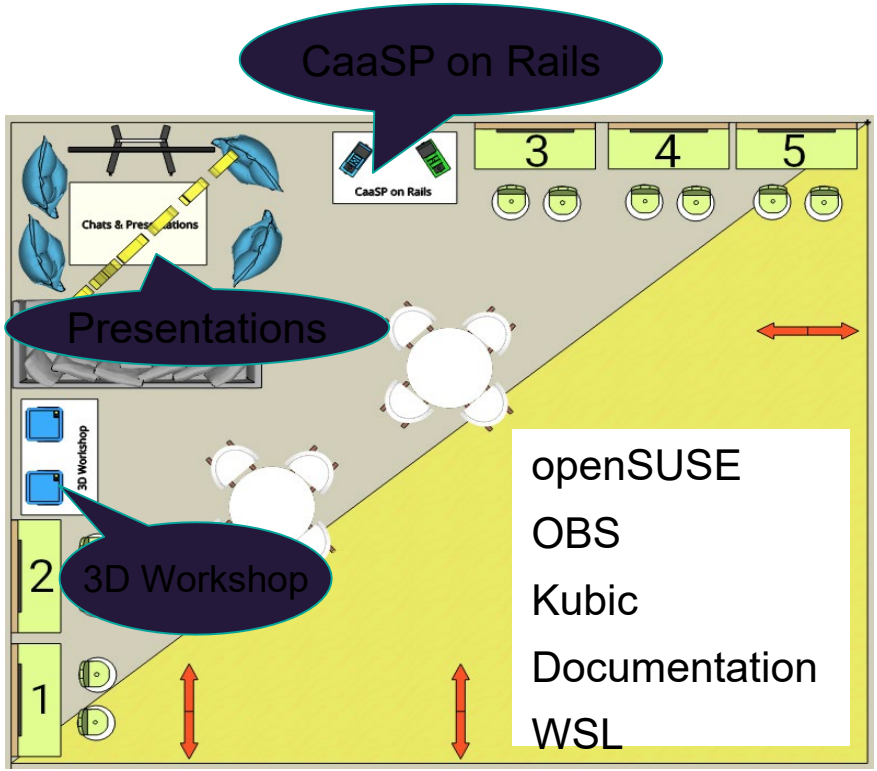
The SUSECON DevZone

Demos and talks daily

- Gardener
- NFV stacks
- Data Scientists at SUSE
- OpenFaaS

Welcome!



Developer Engagement's main work areas

- Study & identify developer needs and technology trends
- Represent developer needs & feedback towards SUSE
- Build outreach channels and relationships

Multiple Developers

A study that we conducted highlighted 19 developer personas

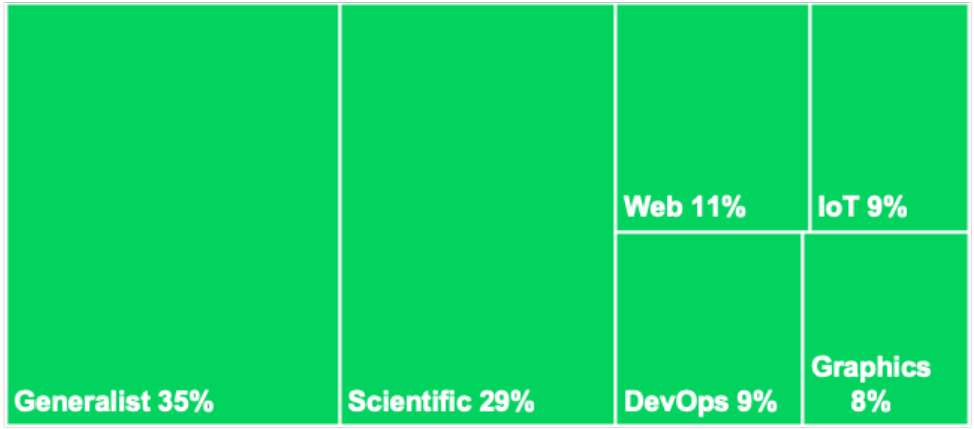
- **Each persona has *different needs* and uses technologies and frameworks *not necessarily in common* with another persona**
- **Trying to abstract each persona, we managed to find some common ground and created aggregated categories:**
  - Common needs
  - Adopt the same / similar technologies
- **Each persona is seen as a *specialization* of a bigger use case**

Aggregated Categories

- Generalist/Full-stack – Developers who cover many different areas (database, backend, desktop application, etc.)
- IoT – Specialized in embedded development with an eye on security and communication
- Graphics – Specialized in graphics applications, from CAD to games development
- Web – Specialized in both front-end and back-end development for web applications
- Scientific – Specialized in data analysis and algorithms development
- DevOps – Developers who consider deployment, network operations and administration as part of their work

Sizing the Aggregated Category

The size of each category is based on the total number of technologies used in each aggregated category.



Completed vs Ongoing vs Future Steps

Completed

- Anchor SUSE vision and strategy
- Build a cross-functional team
- Define developers' taxonomy and typical needs
- Prepare SUSECON Developer Lounge and Developer Track
- Identify further staffing/investment needs
- Receive friendly reviews from business analysts

Ongoing

- Provide regular updates to extended stakeholders group

Future Steps

- Define SUSE's developer value proposition (products and beyond)
- Create channels for updates and feedback
- Start building a contributor base

Ongoing Technology Effort

- **Go Ecosystem**
  - OBS service to discover and import GO dependencies
  - Support for *DEP (https://github.com/golang/dep)*
  - Dependencies to be specified via .spec
- **Java Ecosystem**
  - Maven / Gradle support to enable third-party applications to leverage existing JAR libraries
  - JARs built from sources on OBS
  - Dependencies to be specified via .spec
- **Vagrant**
  - Very popular infrastructure in various open source communities
  - Build images via OBS and validate them (openQA) automatically
  - Available for Tumbleweed, Leap, SLE

Key takeaways

- Developers are the new kingmakers in our industry
- SUSE drives a conscious investment into building developer communities and superior Developer Experience
- Meet the Developer Engagement team in the SUSECON DevZone
- Tell us about your developer story – how can we help?

Questions

SUSE
We adapt. You succeed.

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