

# Simplify your Datacenter IT Automation



Mark Hlawatschek

# About ATIX



- The Linux and open source company
- Open source datacenter automation



Consulting



Engineering



Support



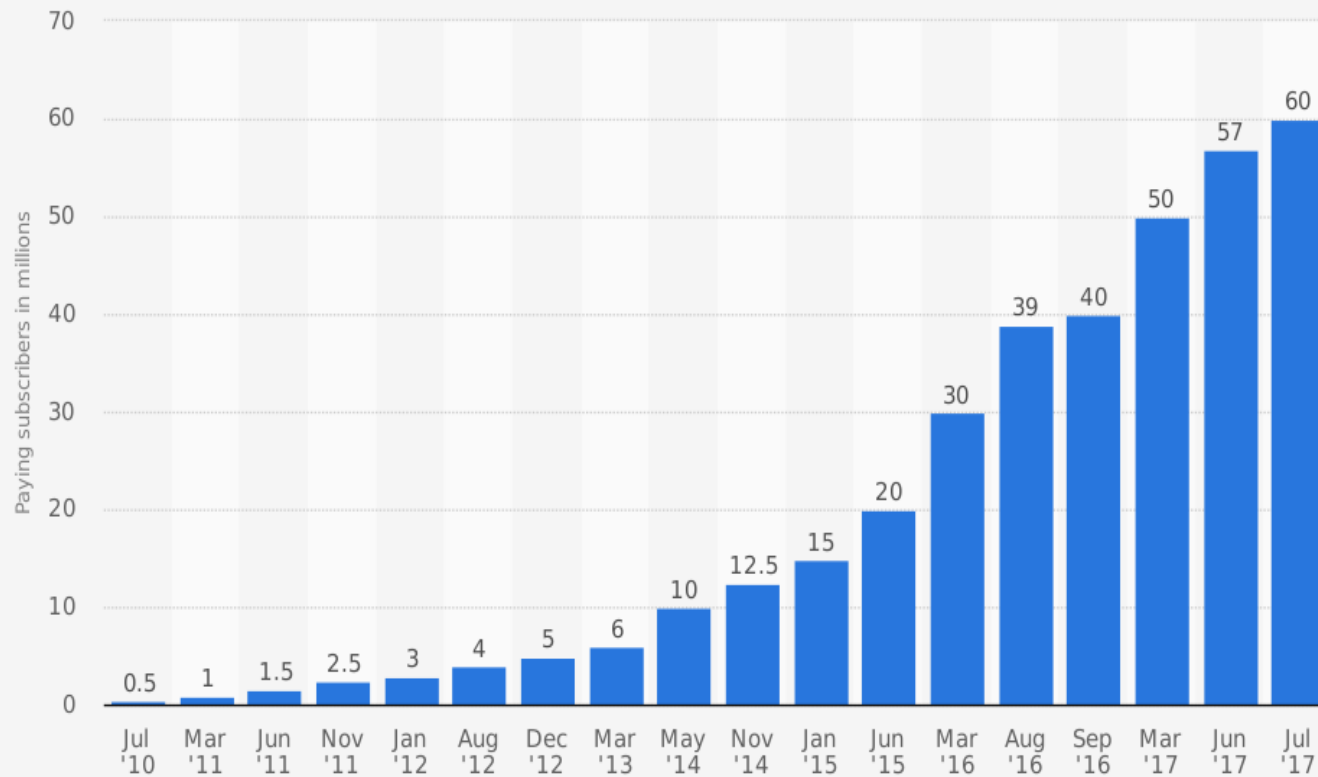
Training







**Number of paying Spotify subscribers worldwide from July 2010 to July 2017 (in millions)**



Source  
Spotify; Music Business Worldwide  
© Statista 2017

Additional Information:  
Worldwide; Spotify; July 2010 to July 2017

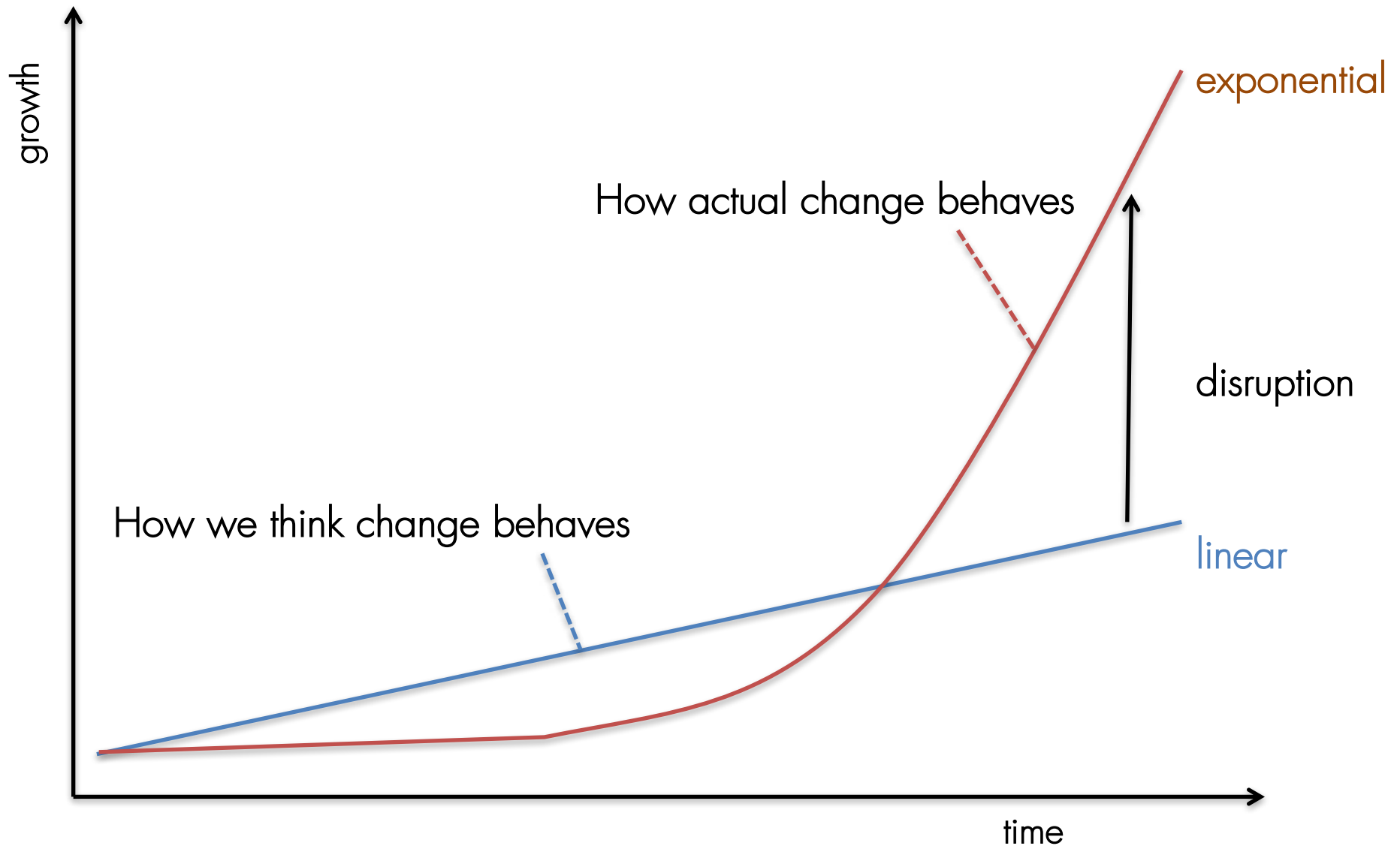
statista



# Only one grain of rice



# Thinking linear is human ...





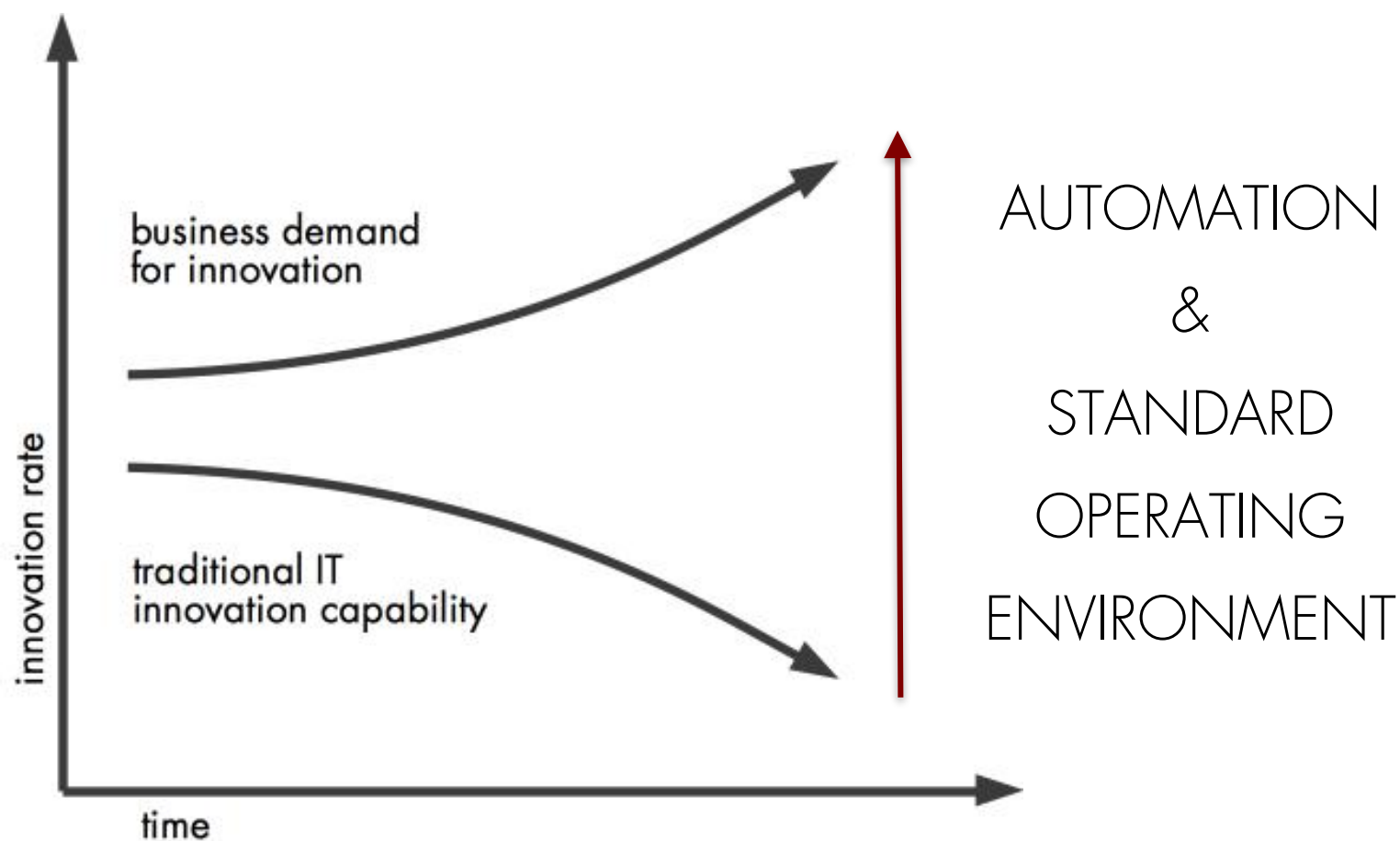
Today, IT is driving innovation.

If you can't deploy software fast, you won't succeed.

*Digital business is essentially software, which means that organizations that expect to thrive in a digital environment must have an improved competence in software delivery.*

Gartner, 2015





- Complexity kills innovation
- Automation can crush complexity
- When you automate, you accelerate



## Spotify's Free Software projects.

Building the Spotify service would not have been possible without Free and Open Source Software. This page collects some Free and Open Source Software projects that we have released in the hopes that it would be useful to the community. For a full list of projects, see our **Github page**.

We welcome contributions of all kinds, provided every contributor agrees to and reflects the standards set forth in our Spotify FOSS Community **Code of Conduct**.

**C/C++ · Cassandra · Docker · Java · JavaScript · Objective-C · Python · Ruby · Other**

<https://spotify.github.io>

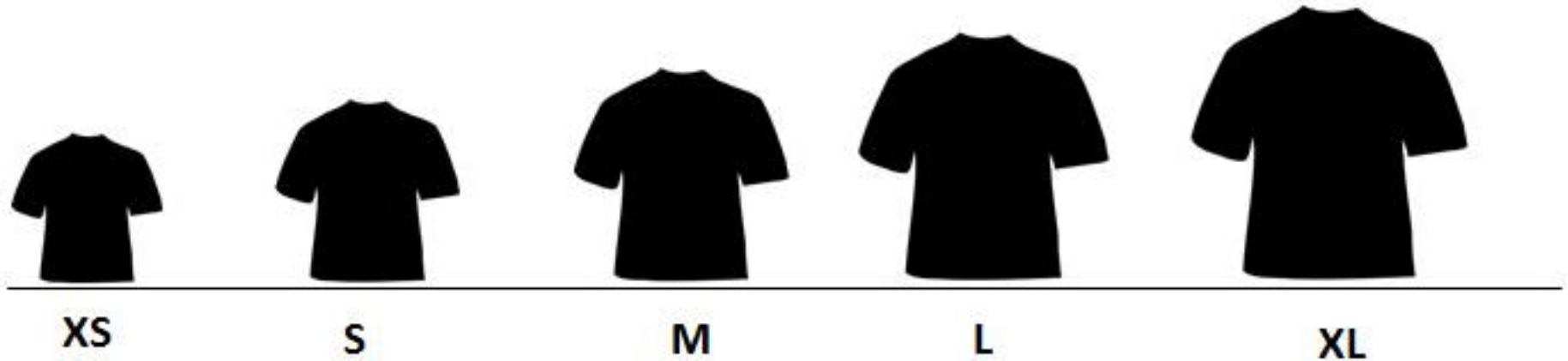
Thorsten Biel, Manager of cloud and integration services,  
Porsche: „We are moving from an organization that was  
mostly serving our internal customers in a reactive way to one  
that is more proactive, more innovative and more focused on  
customer experience“

Puppetconf 2017



SOE - Standard Operating Environment

Standardization for automation and reproducibility

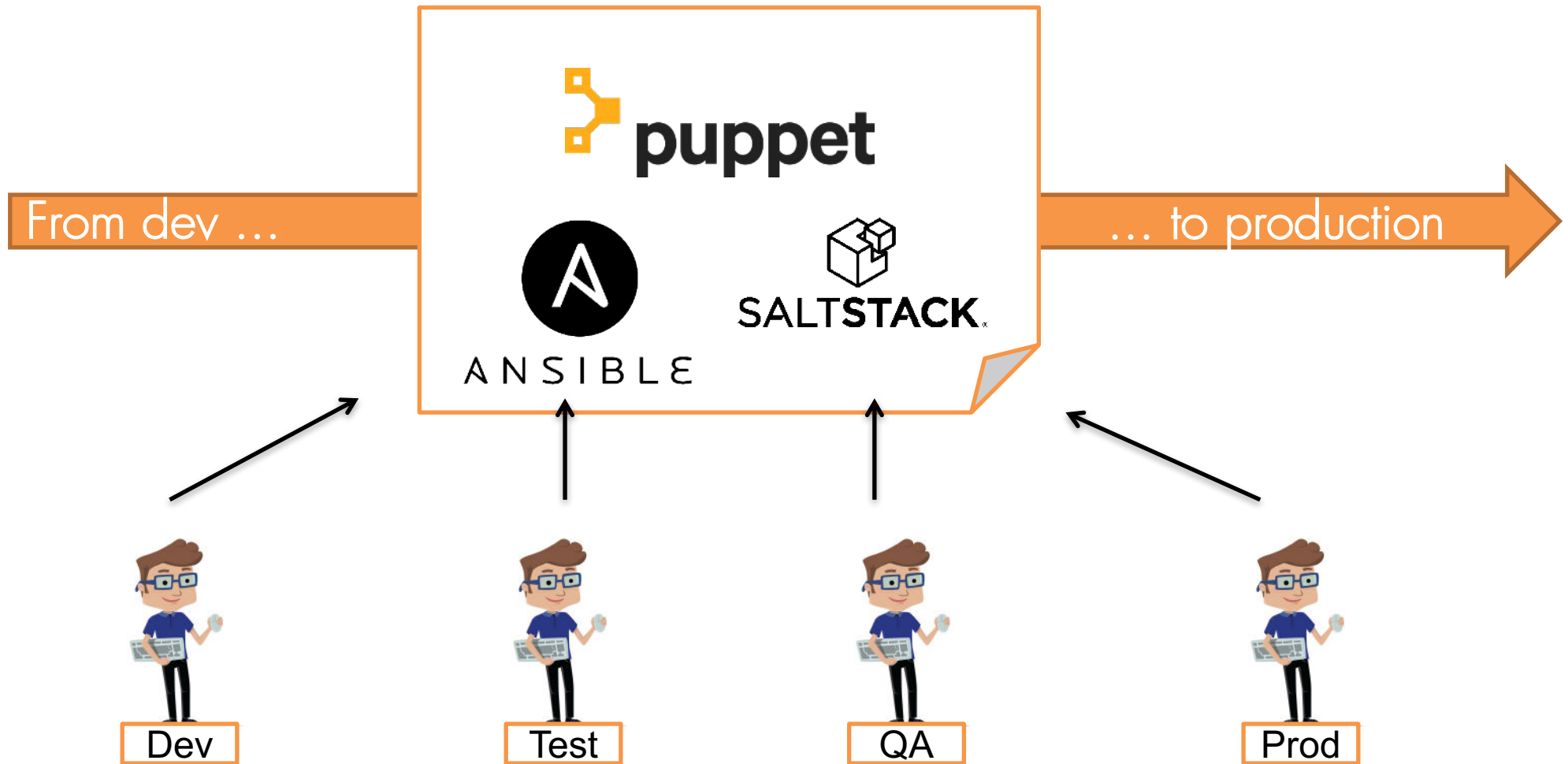


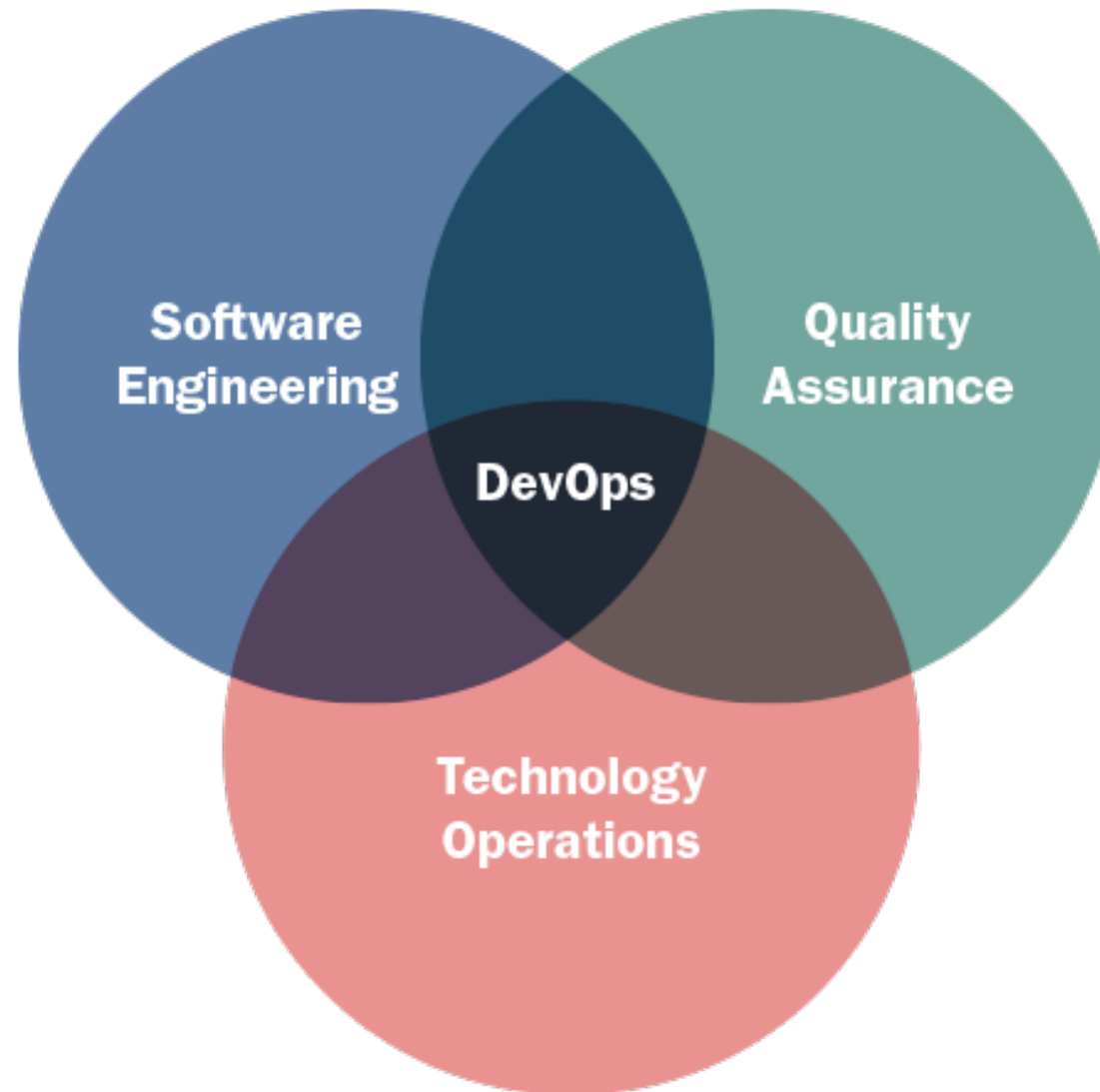
- Automation of base OS deployment
  - VM orchestration
  - Storage orchestration
  - Network service configuration (DNS/DHCP)
  - Base OS provisioning
  - Integration into configuration management framework
  - Final base OS configuration

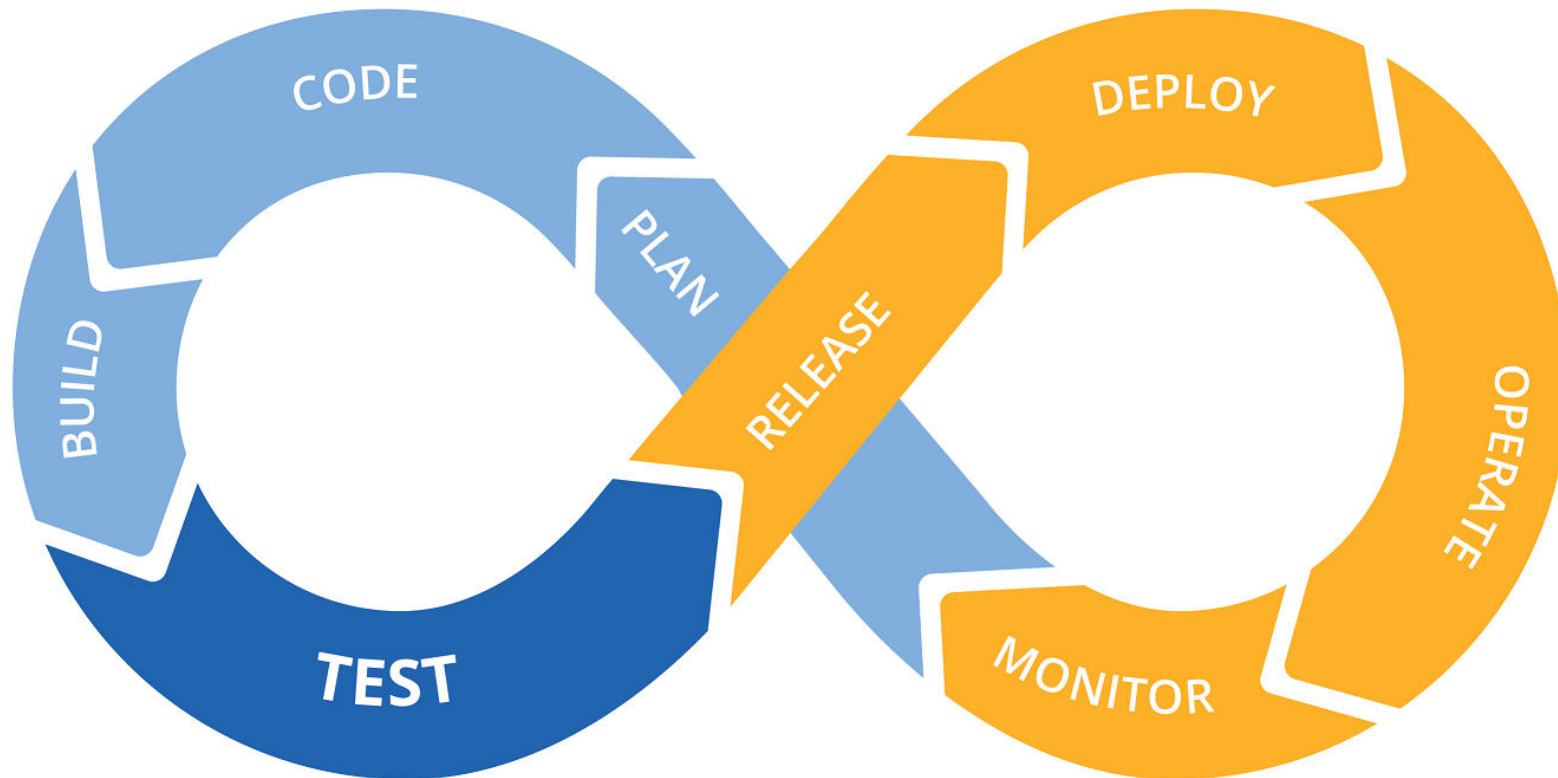
- Automation application deployment
  - Configuration management frameworks
  - e. g. Puppet with roles and profiles
    - Role: Database server, web server, docker host
    - Software installation
    - User creation
    - OS configuration
    - Application configuration

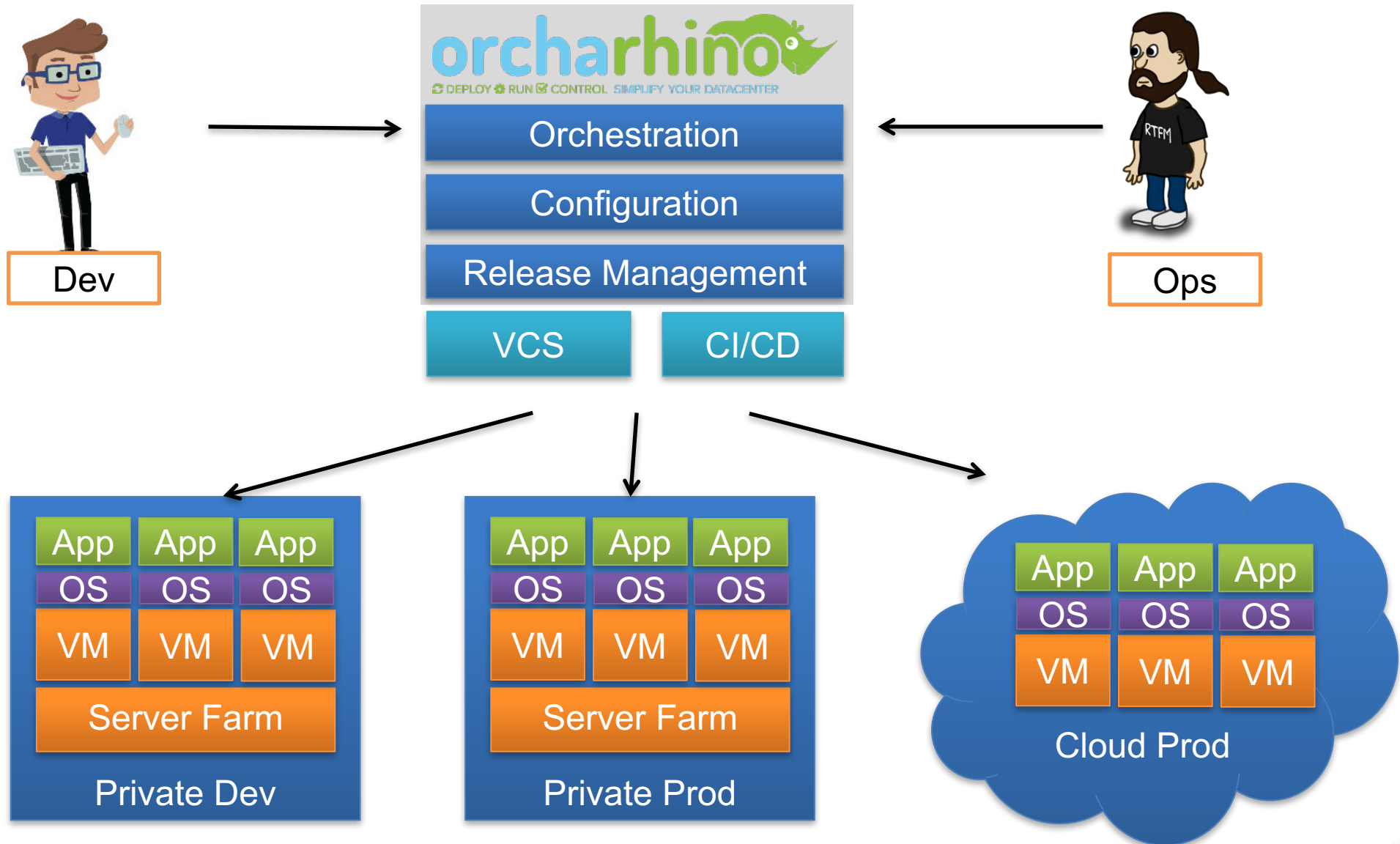
- Release Management
  - Multiple QA Tier Layers
    - Dev -> Test -> QA -> Prod
  - Automation Tests
  - Multiple update cycles
  - Standardisation of software releases
  - Automation updates
  - Errata management



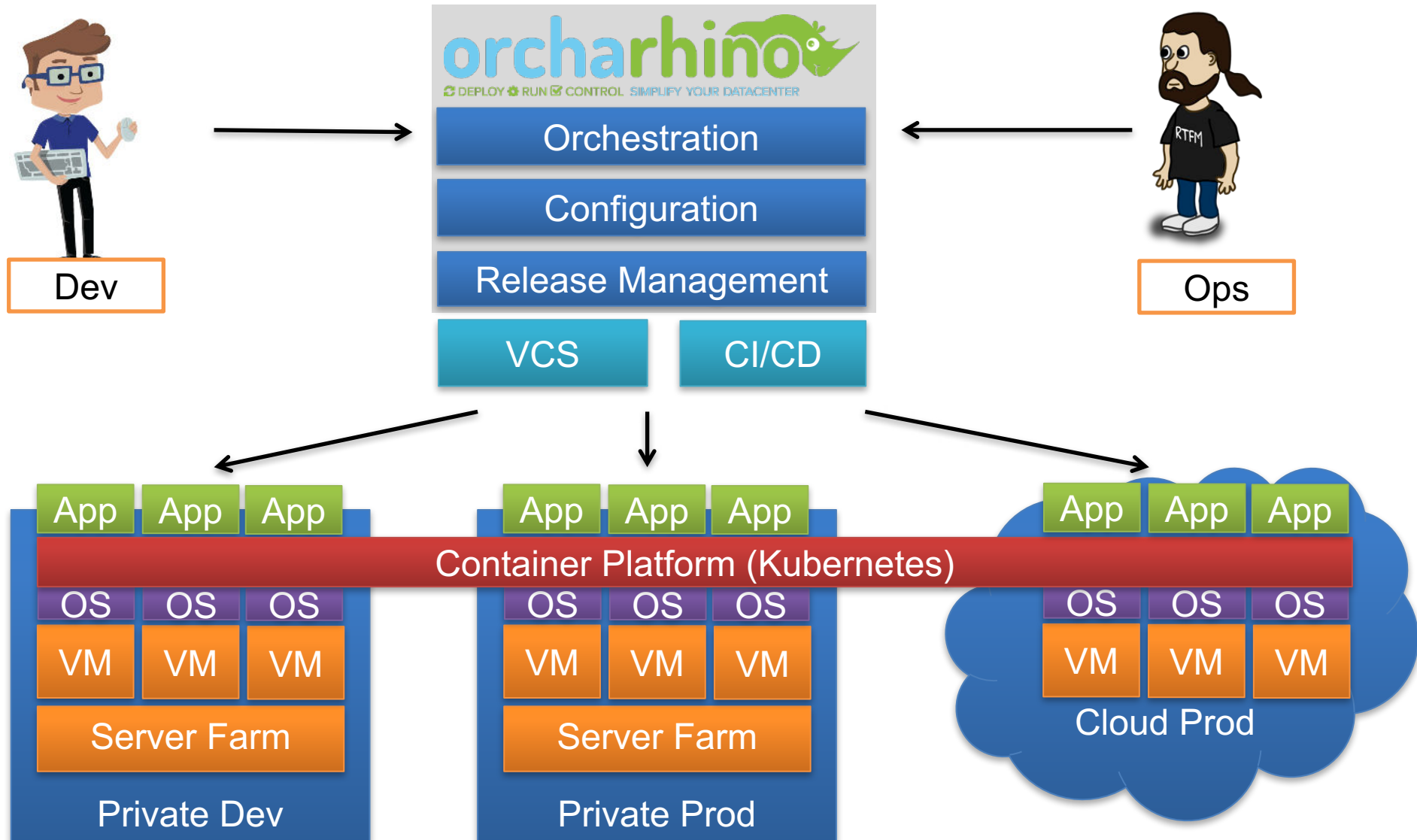






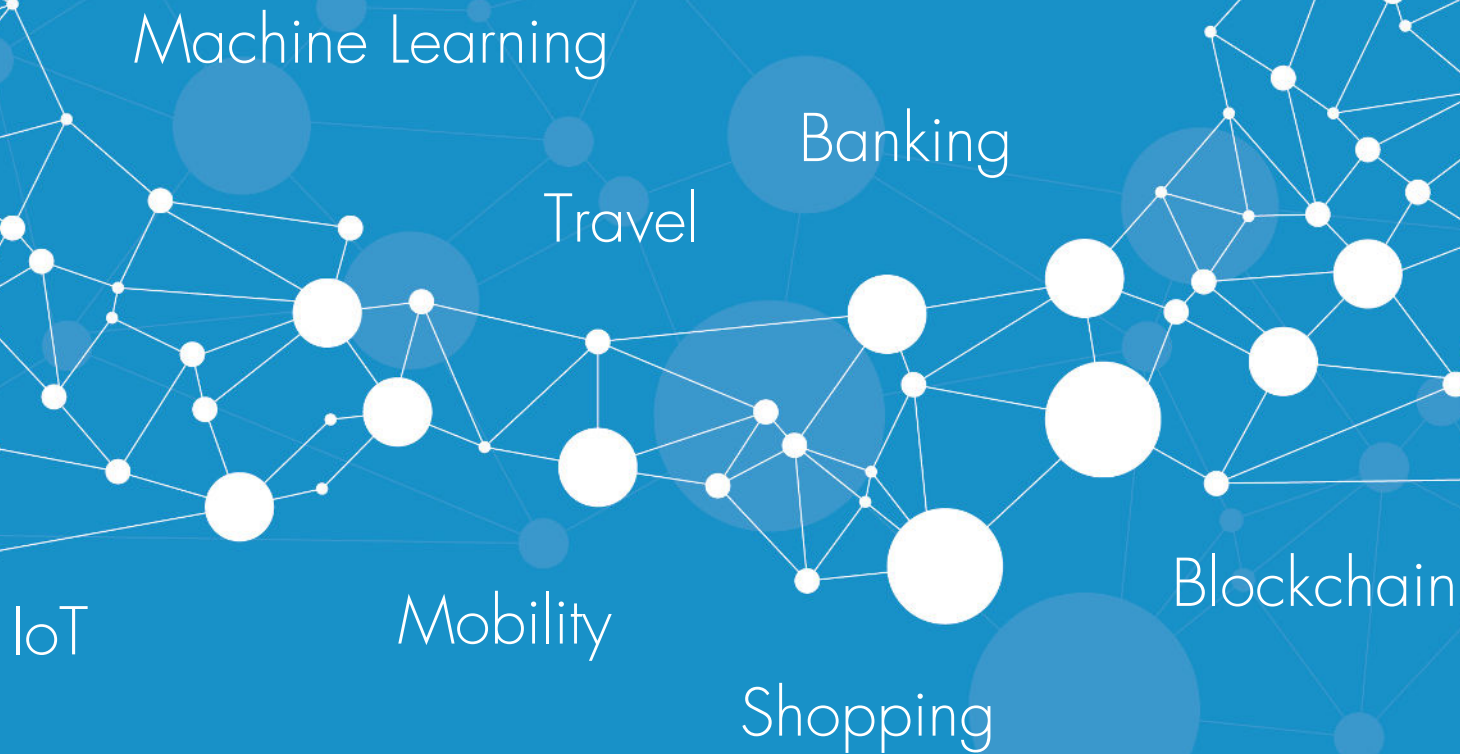






# What happens next?

## Endless Data – Endless connectivity



SOE and IT automation are  
key factors for innovation!



Ich bin für Sie da.



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