

SharePoint UserGroup Düsseldorf

Community Summer

29. TREFFEN

05. JULI 2018



Die kleinste SharePoint Konferenz der Welt...

► Herzlich Willkommen!!!

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SharePoint Rhein Ruhr
Die regionale SharePoint Experten Community an Rhein und Ruhr



Agenda

- ▶ Sponsoren
- ▶ Organisatorisches
- ▶ Termine
- ▶ 15 Minutes of Fame

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Vielen Dank an unsere Sponsoren

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Organisatorisches

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- ▶ 13. September – Azure Information Protection mit Nicki Borell
- ▶ 15 Minutes of Fame
 - ▶ Hier könnte Dein Name stehen!



Termine

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- ▶ Microsoft Inspire 2018 15.07. – 19.07. in Las Vegas
- ▶ DPK18 23.10. – 25.10. in Leipzig
- ▶ European SharePoint Conference 2018 26.11. – 29.11. in Kopenhagen
- ▶ European Collaboration Summit 2019 05.06. – 09.06.2019 in Mainz
- ▶ Weitere Termine wie immer unter <http://www.sharepointcommunity.de>



15 Minutes of Fame

- ▶ Infrastructure as Code
 - ▶ Henning Eiben
 - ▶ Denis Buco
 - ▶ Andrej Doms



Infrastructure as Code What, Why and Where

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DevOps Culture? Hell freezes over!

- ▶ DevOps is the practice of operations and development engineers participating together in the entire service lifecycle, from design through the development process to production support.
- ▶ DevOps is also characterized by operations staff making use many of the same techniques as developers for their systems work.
- ▶ In Summary: Agile Infrastructure and Administration



What does this boil down to?

- ▶ Infrastructure Automation
 - ▶ Create your systems, OS configs, and app deployments as **code**.
- ▶ Continuous Delivery
 - ▶ Build, test, deploy your apps in a **fast** and **automated** manner.
- ▶ Site Reliability Engineering
 - ▶ Operate your systems, monitoring and orchestration, no question!
 - ▶ But also **designing for operability** in the first place.



How we did it back in time...

- ▶ Ops was a walled garden
- ▶ Devs allways needed to pass the gatekeepers
- ▶ Dev was a locked up tower
- ▶ Ops had no idea, what the Devs were doing and needing



A few examples

- ▶ You cannot trust „the unreliable unstructured devs“ ...
- ▶ ...and ops are „trained monkeys without brains“.
- ▶ 18 months deployment time for a single line of code
- ▶ Deprecated test and qm environments
- ▶ High costs to maintain up to date staging
- ▶ Paperboy mentality for new builds
- ▶ Operations, testing and build are completely separated by „walls“
- ▶ Etc....



How we do it today

- ▶ Keep in mind, that **trust** is the key!
- ▶ It's not just Dev and Ops....
- ▶ Automate as much as possible
- ▶ Virtualize, containerize, move to scalable architecture (cloud)
- ▶ Monitor proactively, end to end
- ▶ Do not repair, rebuild stuff
- ▶ Scale out easily
- ▶ Apply agile strategies (Build, Test, Release, Monitor, Plan)



What it is not

- ▶ It's not no Operations! Devs and Ops work together for reliability.
- ▶ It's not only Tools! Self Explanatory, a fool with a tool is still a fool.
- ▶ It's more than culture. It's as strict concerning the rules as agile.
- ▶ It doesn't solve everything. There is still stuff you cannot automate.
- ▶ It's no excuse for poor quality. Quality is king!



What is it?

- ▶ Continuous integration
- ▶ Continuous delivery (build and provisioning)
- ▶ Microservices
- ▶ Infrastructure as code
- ▶ Monitoring and logging
- ▶ Communication and Collaboration



What is it?

- ▶ Continuous integration
- ▶ Continuous delivery (build and provisioning)
- ▶ Microservices
- ▶ **Infrastructure as code**
- ▶ Monitoring and logging
- ▶ Communication and Collaboration



Infrastructure as code

- ▶ Provision infrastructure through code
- ▶ Use cloud API and services to automate deployment
- ▶ Use code and versioning for configuration management
- ▶ Code enables automation, validation, monitoring and configuration in an easy to understand, repeatable and scalable way
- ▶ Imply rules and compliance into the code



See you next time...

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In sunny September...

