**Content**

[1. Microservices 2](#_Toc37838409)

1. DevOps intro

„small applications are cloud ready, large are not“

1. <https://www.infrastructure.aws>
2. <https://xebialabs.com/periodic-table-of-devops-tools/>
3. <https://docs.aws.amazon.com/de_de/AWSCloudFormation/latest/UserGuide/cfn-helper-scripts-reference.html> -> send signals back to cloudformation
4. UNIT TESTING !!! – pluralsight intro
5. AWS marketplace and quick start ?!
6. https://docs.aws.amazon.com/de\_de/AWSCloudFormation/latest/UserGuide/aws-properties-waitcondition.html
7. https://aws.amazon.com/de/quickstart/
8. <https://aws.amazon.com/de/cloudformation/resources/templates/>
9. aws cdk – decorators, like in the case of flask framework?!
10. TODO: CDKworkshop on cloud9
11. TODO – Visual Studio Plugin – local list of functions (problem w us-east-1 ?! )
12. <https://trunkbaseddevelopment.com/> vs gitflow
13. Code linting and unit testing before commiting
14. Changelog.md and other special files.
15. Awscli wait ☺
16. Understanding - DNS, Namespace
17. PS1, DLL, EXE -> windows deployments
18. OS
19. Advanced git usecases (hooks ?) <https://git-scm.com/book/en/v2/Customizing-Git-Git-Hooks>
20. Aws cli --- cli-input-json
21. Anti-patterns – coding, pipeline, devops ...
22. Pipelines – idea: Cross Acccount using S3
23. <https://www.packer.io/intro/getting-started/build-image.html>
24. <https://aws.amazon.com/de/blogs/devops/how-to-create-an-ami-builder-with-aws-codebuild-and-hashicorp-packer/>
25. <https://www.cvedetails.com>

from Gregor Roehrich to everyone:

https://www.envoyproxy.io/

from Gregor Roehrich to everyone:

https://aws.amazon.com/de/app-mesh/

from Gregor Roehrich to everyone:

<https://aws.amazon.com/de/cloud-map/>

from Gregor Roehrich to everyone:

https://docs.aws.amazon.com/codepipeline/latest/userguide/actions-variables.html

from Gregor Roehrich to everyone:

<https://git-scm.com/>

GIT: Mirror - > hook ...

Manage parameters across the pipeline: Systems Manager is accessble from CloudFormation.

Dynamo DB – other approach, for matrixes, more info.

Running jenkins on docker ?! he said good combo no tools needs to be setup.

Aws.training –

For the exam – use the Note: sections of the documentation. For devops – CodePipeline for sure.

No

from Gregor Roehrich to everyone:

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https://aws.amazon.com/de/cloud-map/

from Gregor Roehrich to everyone:

https://aws.amazon.com/de/serverless/developer-tools/

from Gregor Roehrich to everyone:

https://aws.amazon.com/de/serverless/sam/

from Gregor Roehrich to everyone:

https://www.nice-software.com/

from Gregor Roehrich to everyone:

Lab-Time is approx. until 03:15 pm

from Gregor Roehrich to everyone:

https://docs.aws.amazon.com/codepipeline/latest/userguide/actions-variables.html

from Gregor Roehrich to everyone:

https://git-scm.com/

from Andreas Wimmersberger to everyone:

Happy

from Michael Pazourek to everyone:

i am also ready

from Karol to everyone:

I think I'll finish it after the training. so ready also from my side

from Michael Kargl to everyone:

I'll need a little more time but I can play as we go

from Gregor Roehrich to everyone:

https://aws.amazon.com/de/training/path-devops/

from Gregor Roehrich to everyone:

<https://www.aws.training/Details/eLearning?id=34146>

Robot PyTest Unittest DocTest Nose2 Testify

Make sure small enough. Unit and pytests

1. Question

Code analyisis – aws deep learning tool (Code Review ?! )

Testing – a good tool to mock boto3 (?)