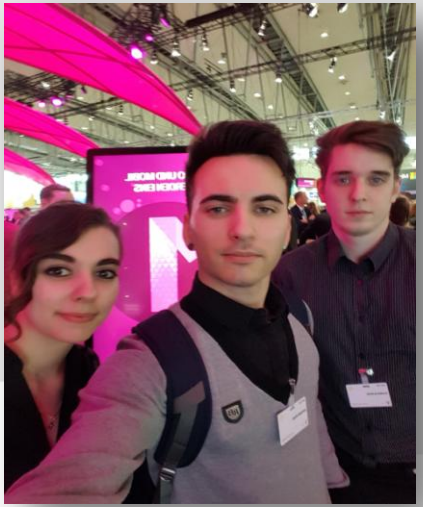
„CLOUD KINDERGARTEN“



Apprentices starting with

+

openstack™
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Agenda

1	Introduction
	1.1 Workflow
	1.2 Experiences
2	TelekomCLOUD + OpenStack
	2.1 Refcard Overview
	2.2 Our Deployment
3	OpenStack In Practice
	3.1 CI / CD in Git
	3.2 Video „Creating a tenant with OpenStack“
4	Q & A

1. Introduction

1. Introduction – Frank Klöker

Person

- Name Frank Klöker
- From Berlin

Education

- 27 years of experience in Operations
- 10 years Examiner on Chamber of Commerce and Industry

Today

- Vocation Applicationmanagement for Cloud hosting platform
  personal point of contact for Apprentices
- Company Deutsche Telekom AG
- Business Unit Business Applications & Cloud Services

1. Introduction – Oliver Klippel

Person

- Name Oliver Klippel
- Age 23
- From Berlin

Education

- Abitur
- 1 semester computer science & 1 semester media computer science
- Apprenticeship until 2018

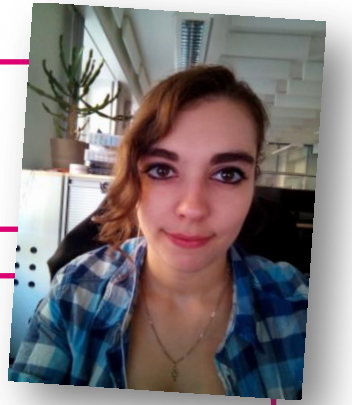
Today

- Vocation IT specialist for systemintegration
- Company Deutsche Telekom AG
- Business Unit Business Applications & Cloud Services

1. Introduction – Janika Schäfer

Person

- Name Janika Schäfer
- Age 21
- From Berlin



Education

- Apprenticeship to IT systems technician
- with Abitur
- finished 2015

Today

- studying bachelor of engineering in communication & media computer science
- Company Deutsche Telekom AG
- Business Unit Business Applications & Cloud Services

1. Introduction – Adriano Perri

Person

- Name Adriano Perri
- Age 23
- From Berlin

Education

- Abitur
- studied 2 semester geoecology
- Apprenticeship until 2018

Today

- Vocation management assistant in IT systems
- Company Deutsche Telekom AG
- Business Unit Business Applications & Cloud Services

1.1 Workflow – A. Perri

4 Create Refcard
- writing down (structured)
- comply with the corporate design
- use supporting illustrations

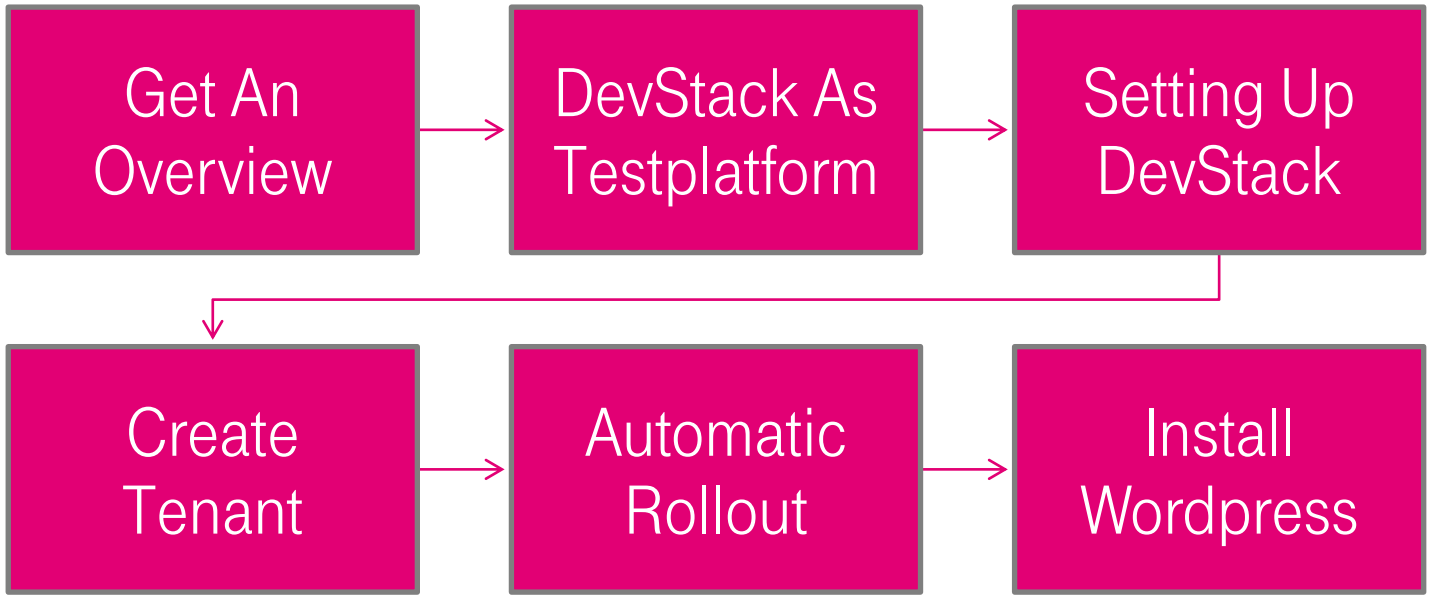
3 Documentation
- gather information unfiltered
- screen information
- organize them

2 Conception
- what is important ?
- what is asked for ?
- time management

1 Get an Overview
- understand the task/topic
- clear up questions
- get inspired by other refcards

Introduction | TelekomCLOUD + OpenStack | OpenStack In Practice | Q & A

1.1 Workflow – J. Schäfer And O. Klippel



1.2 Experiences

Self-Management

Tools To Use

Find Solutions

Discover Talents

Ehh What?!
Ahh! That's how it works !

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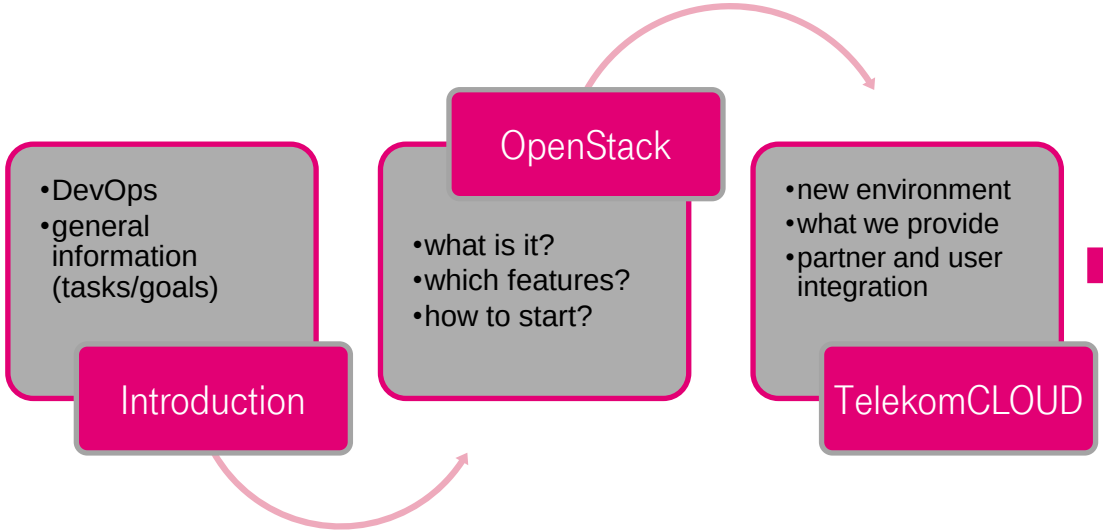
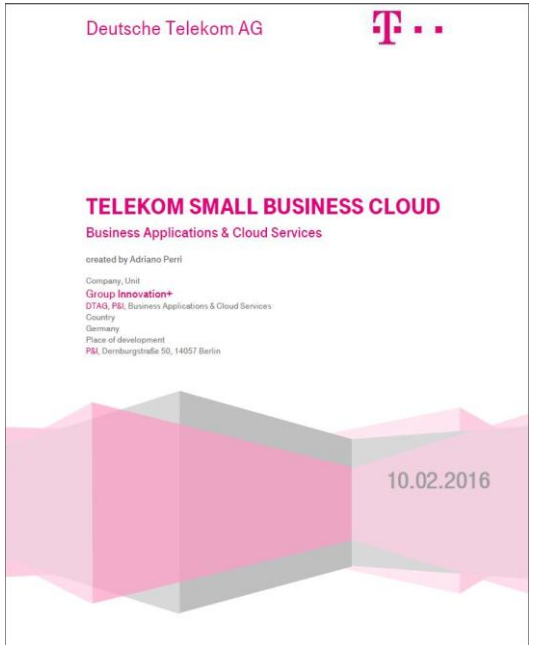
Introduction | TelekomCLOUD + OpenStack | OpenStack In Practice | Q & A

2. TelekomCLOUD + OpenStack

2.1 Refcard – Overview





Picture: Refcard Telekom SMB Cloud

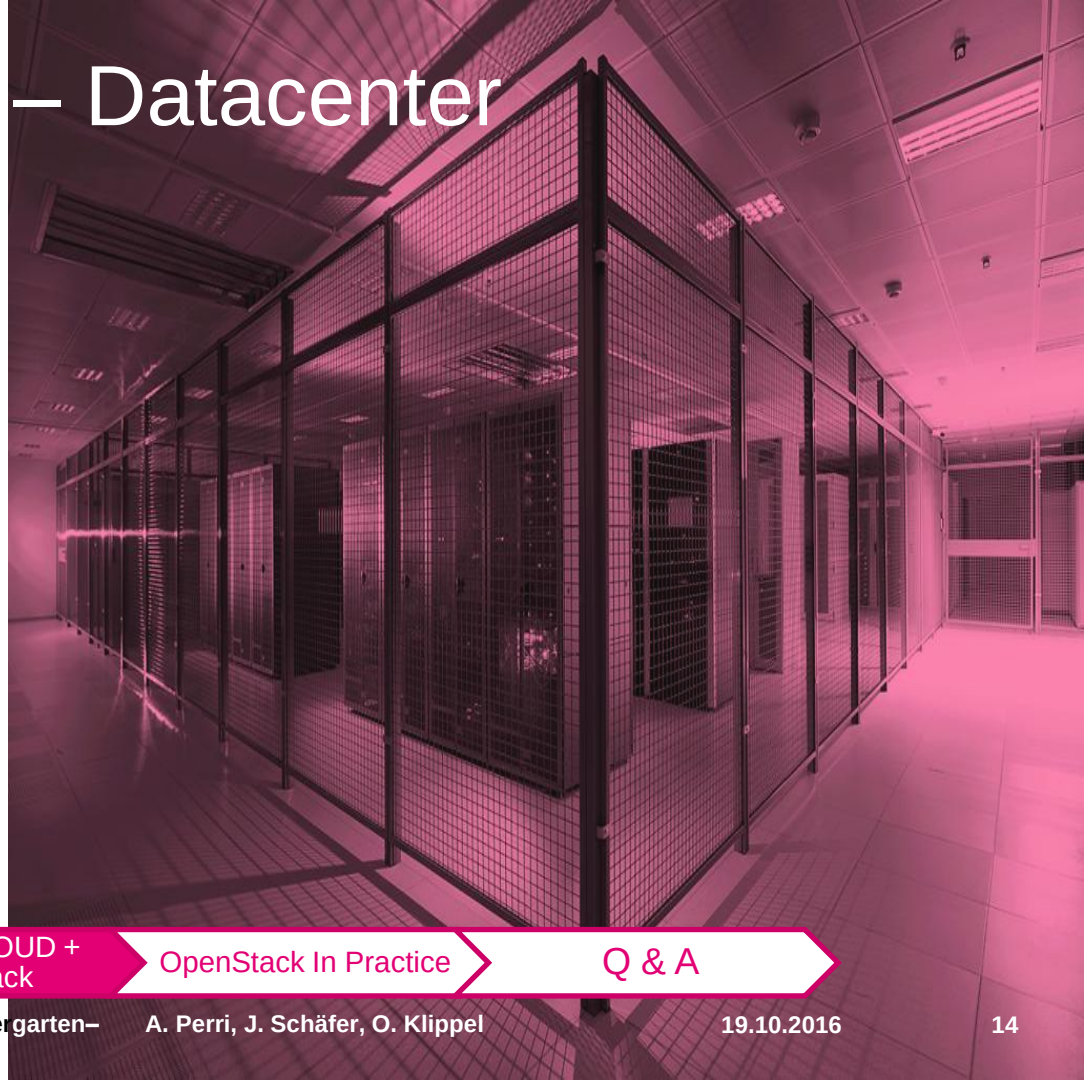
2.2 Our Deployment – Services We Use

Service Name	Function
Nova (Compute)	Virtual Machine Management
Neutron (Networking)	Network Management
Cinder (Block Storage)	Storage Resource Management
Keystone (Identity Service)	Identity Management
Glance (Image Service)	Image Management
RabbitMQ (Message Oriented Middleware)	Communication Management
Razor (Bare-Metal Provisioning)	Process Of Installing An Operating System
Ceph S3 (Object Storage)	Storage Resource Management

2.2 Our Deployment – Datacenter

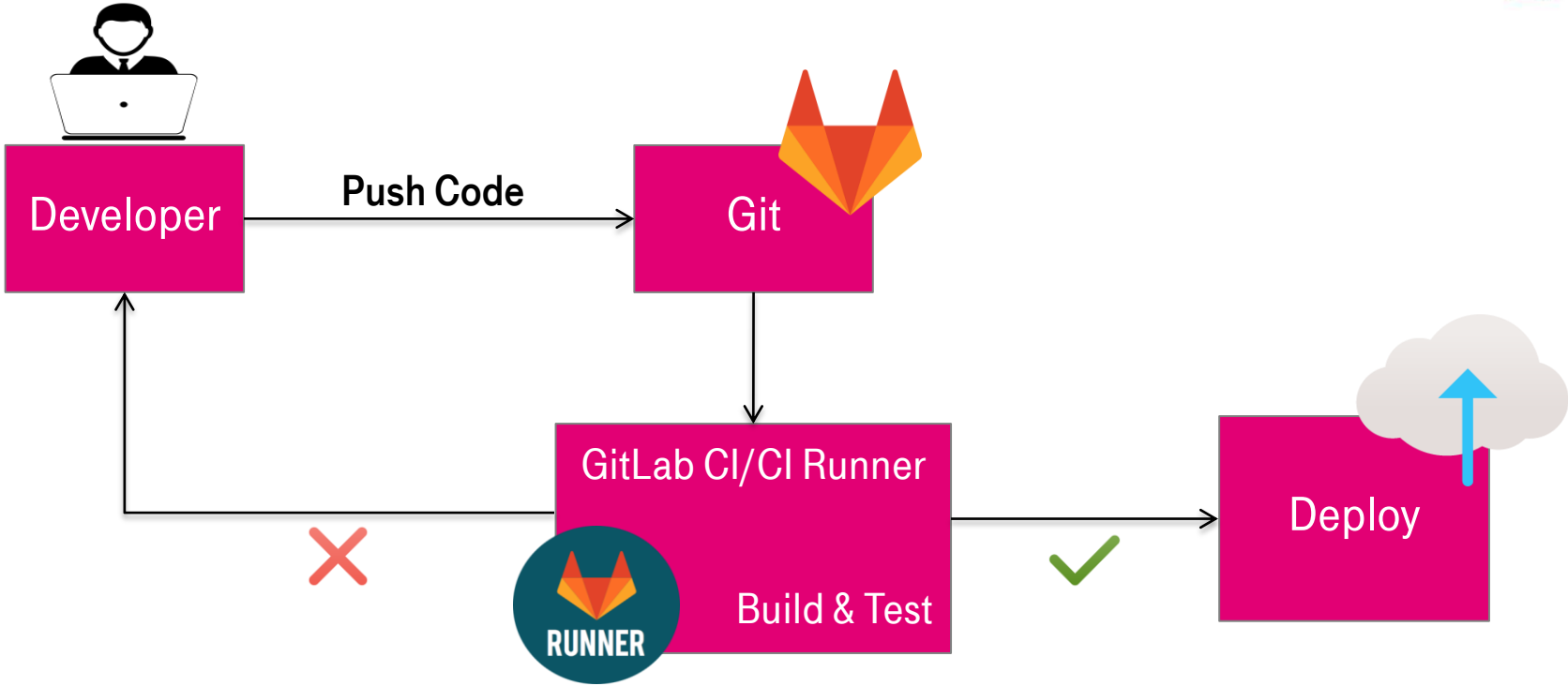
- brand new datacenter Biere near Magdeburg
- largest cloud datacenter in Germany
- 40.000 m² area
- high security through complex security systems
- 12 emergency power generators
- high availability

➡ we give the resources you need !



3. OpenStack In Practice

3.1 OpenStack In Practice – CI/CD In Git



3.2 OpenStack In Practice – Video

„Creating a Tenant With OpenStack“

Thank You For Your Attention !!

Sources

Information

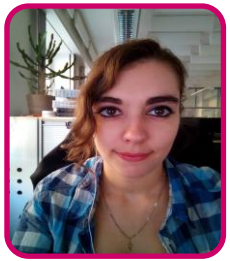
- https://www.openstack.org/
- https://dzone.com/refcardz/getting-started-openstack-most
- http://cloud-computing-blog.eu/was-ist-jetzt-eigentlich-cloud-computing/
- **Other Sources :** AiolosSystemDescription.pdf; Telekom Small Business Cloud_Refcard for ISVs.pdf

Pictures

- http://www.ofekcloud.com/media/images/1e7b5ca3-8b2e-4e2e-9898-5df978f0218aimage14.jpeg (Slide #10 CC)
- http://www.all-stars.de/blog/wp-content/uploads/2014/04/planung.jpg (Slide #10 Planning)
- http://www.maclife.de/ratgeber/microsoft-office-ios-jetzt-icloud-unterstuetzung-10062588.html (Slide #10 Office Tools)
- http://yourdost.com/blog/2016/02/how-to-become-more-creative.html (Slide #10 Creative)
- http://www.embritas.lt/project/duomenu-apdorojimo-centras/?lang=de (Slide #14 Datacenter Biere)
- https://www.openstack.org/brand/openstack-logo/logo-download/ (Slide #10,#1 OpenStack Logo)
- https://gitlab.com/uploads/project/avatar/250833/runner_logo.png (Slide #16 Git Runner Logo)
- https://d30y9cdsu7xlg0.cloudfront.net/png/27703-200.png (Slide #16 Developer)
- https://gitlab.com/uploads/project/avatar/13083/gitlab-logo-square.png (Slide #16 GitLab Logo)
- https://www.brand-design.telekom.com/icon-library/ (Slide #16 cancel, confirm, cloudupload)
- https://de.pinterest.com/pin/556053885218068326/ (Slide #18 Background)

4. Questions & Answers

Contact



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