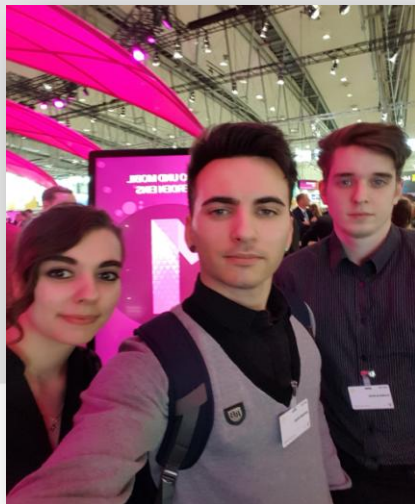




„CLOUD KINDERGARTEN“



Apprentices starting
with



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

T...

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

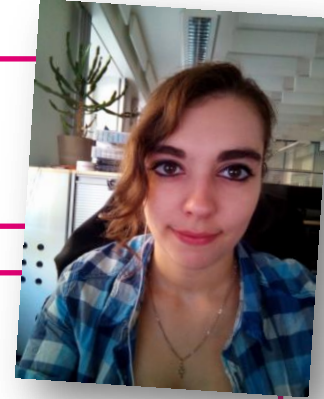
- Vocation IT specialist for systemintegration
- Company Deutsche Telekom AG
- Business Unit Business Applications & Cloud Services

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

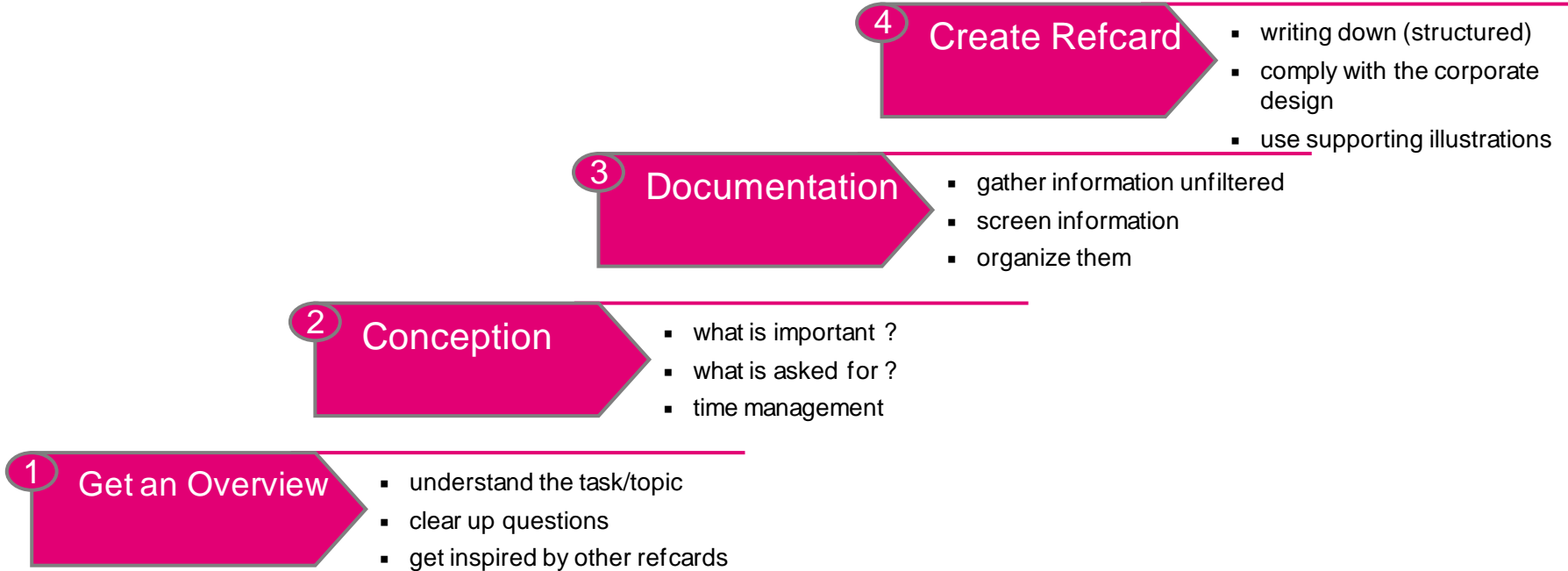
- Abitur
- studied 2 semester geoecology
- Apprenticeship until 2018

Today

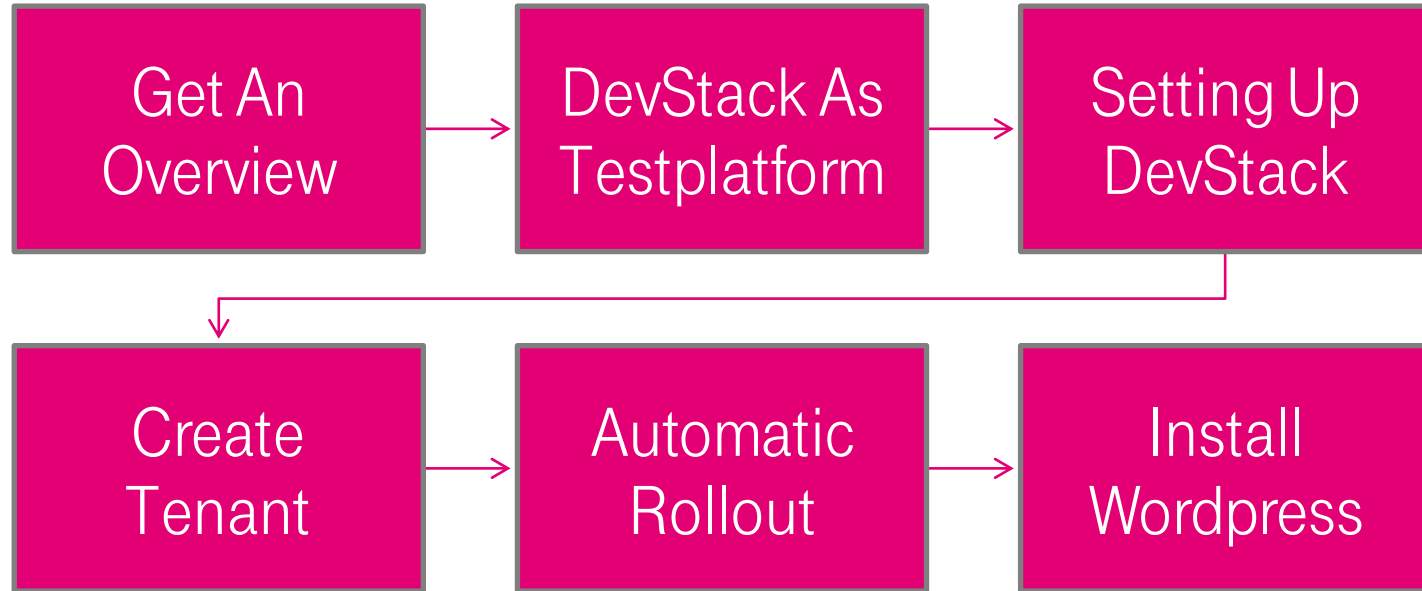
- Vocation management assistant in IT systems
- Company Deutsche Telekom AG
- Business Unit Business Applications & Cloud Services



1.1 Workflow – A. Perri



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!



openstack™
CLOUD SOFTWARE



Introduction

TelekomCLOUD +
OpenStack

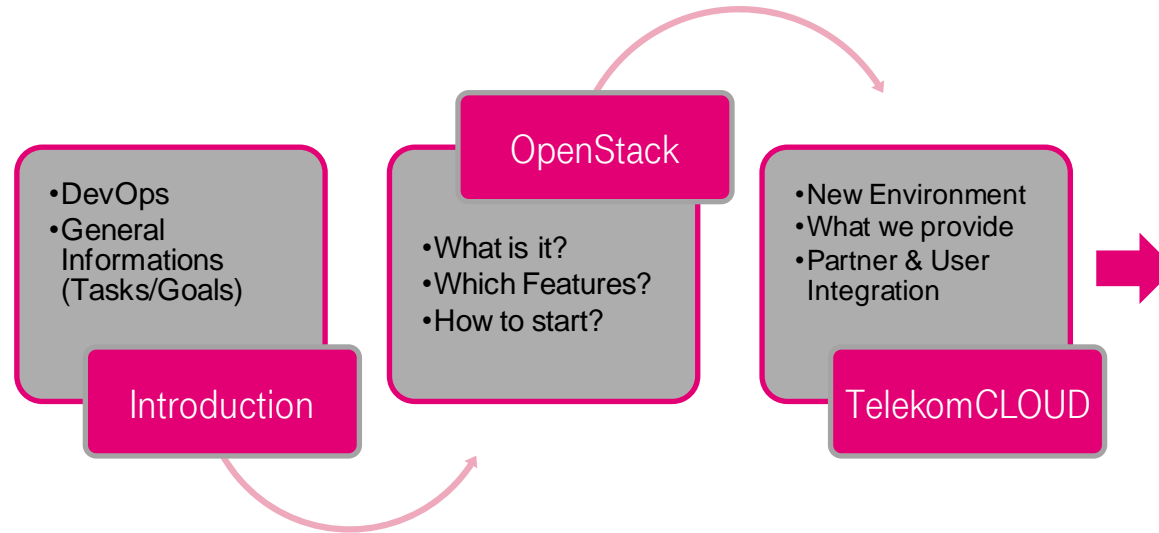
OpenStack In Practice

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

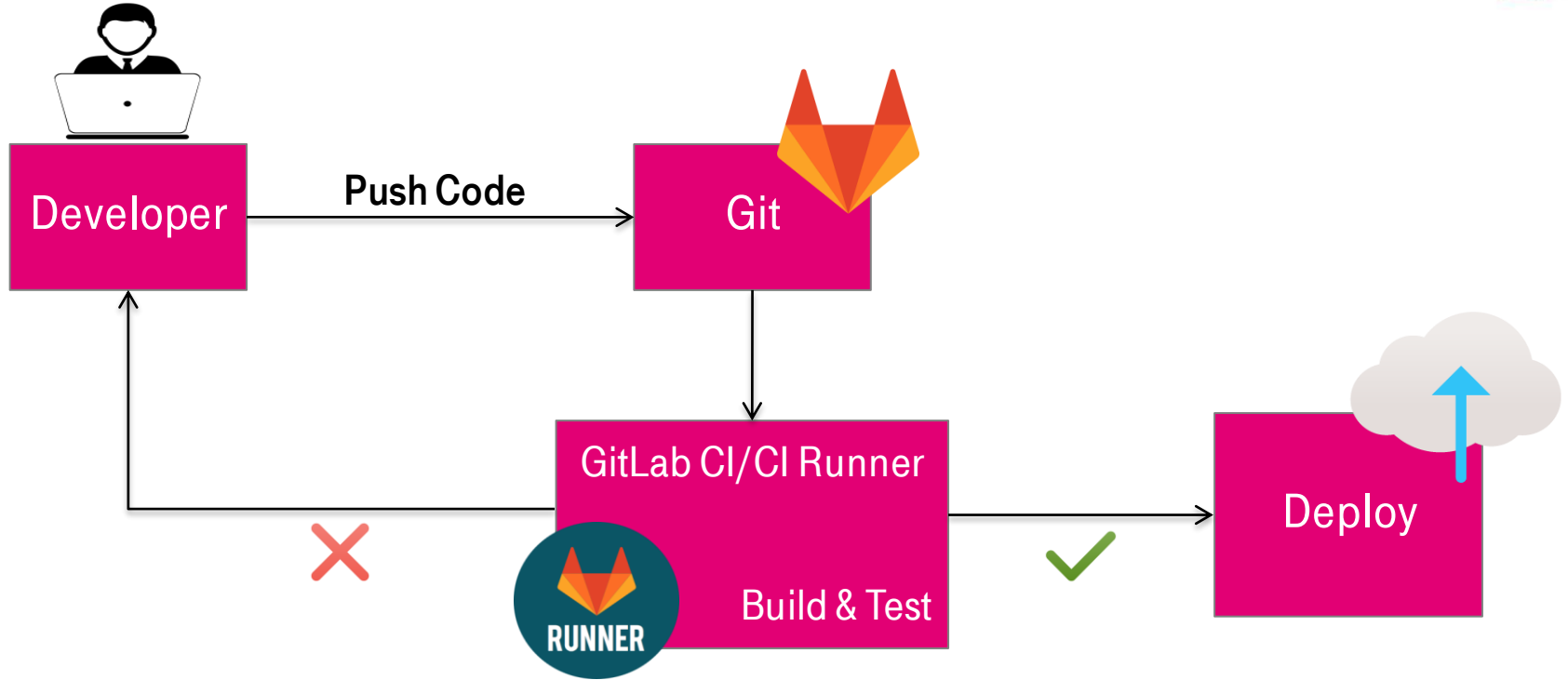
➡ we give the resources you need !



3. OpenStack In Practice



3.1 OpenStack In Practice – CI/CD In Git



3.2 OpenStack In Practice – Video



„Creating a Tenant With OpenStack“



Introduction

TelekomCLOUD +
OpenStack

OpenStack In Practice

Q & A



ERLEBEN, WAS VERBINDET.

–Cloud Kindergarten–

A. Perri, J. Schäfer, O. Klippel

17.10.2016

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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)
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- <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

T...

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