



# „CLOUD KINDERGARTEN“



Apprentices starting  
with



# AGENDA

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## 4. Q & A

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# 1. INTRODUCTION



# CLOUD KINDERGARTEN – MENTOR



## Person

- Name : Frank Kloecker
- From : Berlin

## Education

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

## Today

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



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# 1.1 WHO ARE WE ?



## 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



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# 1.1 WHO ARE WE ?



## Person

- Name : Janika Schäfer
- Age : 21
- From : Berlin

## Education

- Vocation : 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

## Single Picture

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# 1.1 WHO ARE WE ?



## 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

## Single Picture

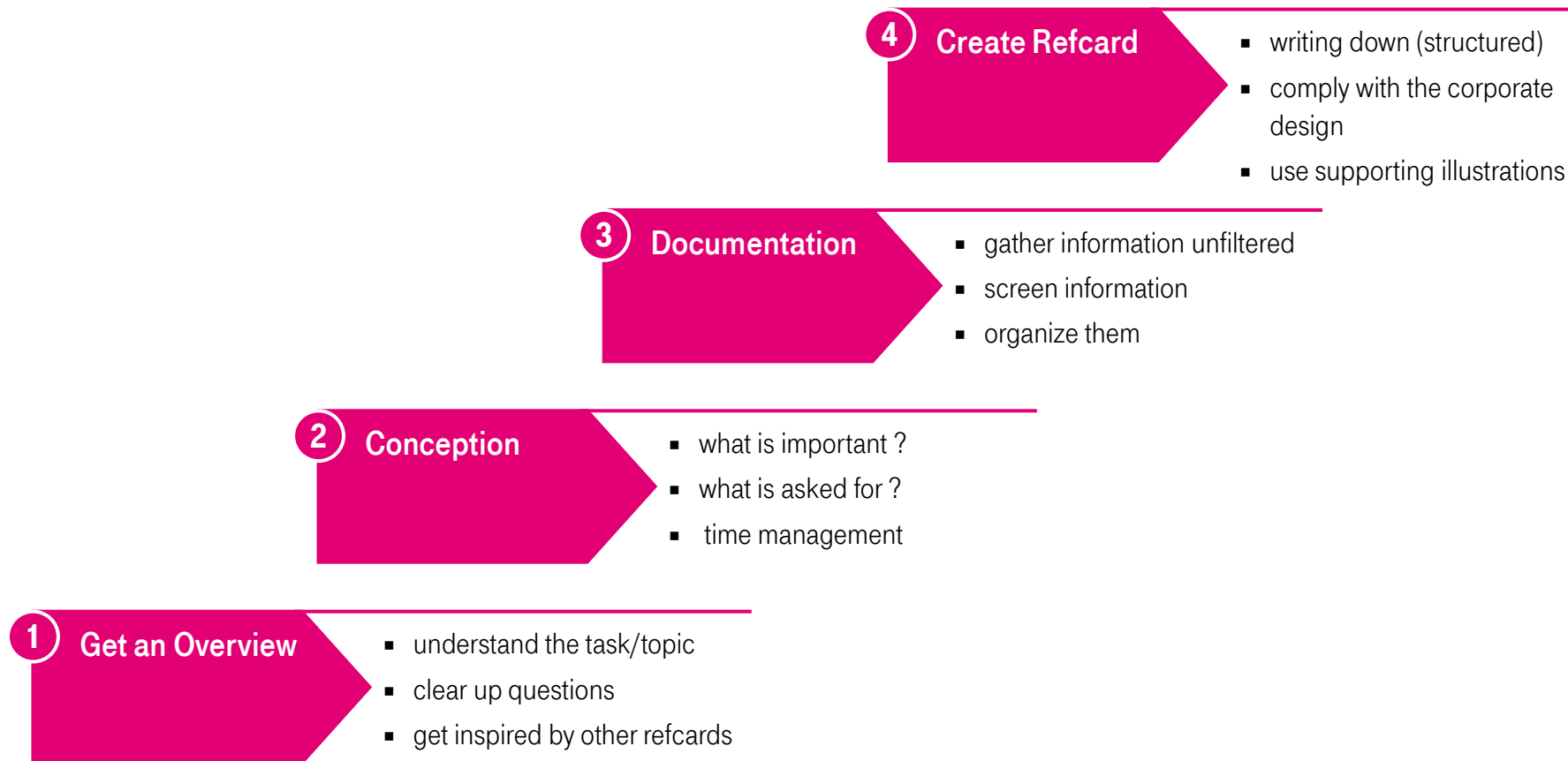
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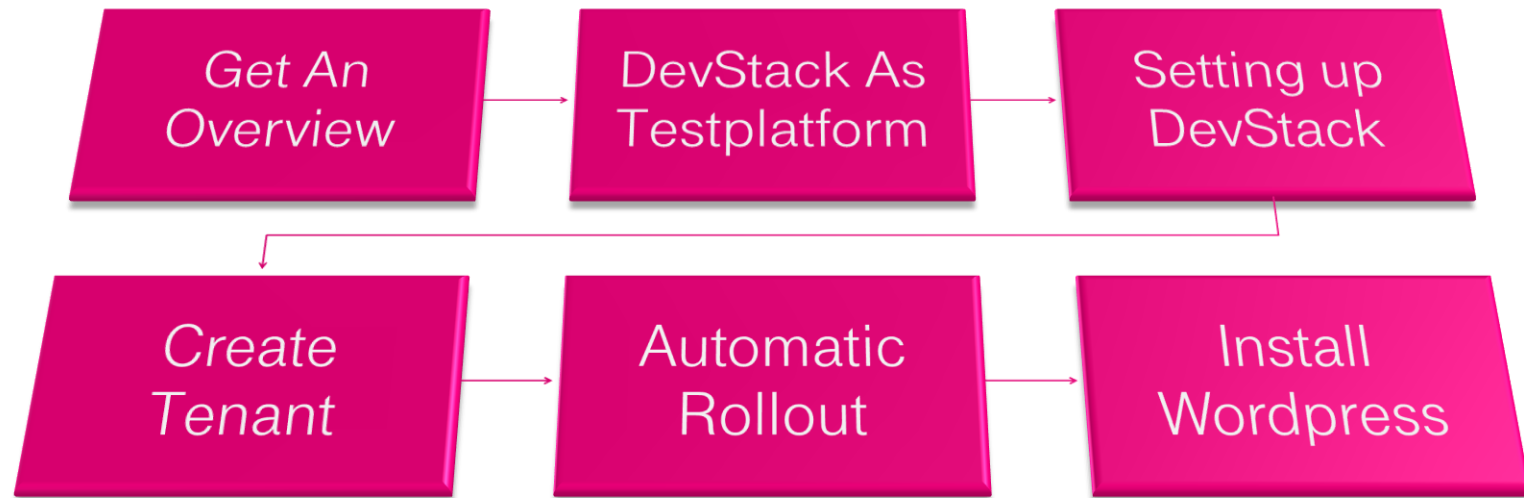
4. Q & A

# 1.2 OUR WORKFLOW – A. PERRI

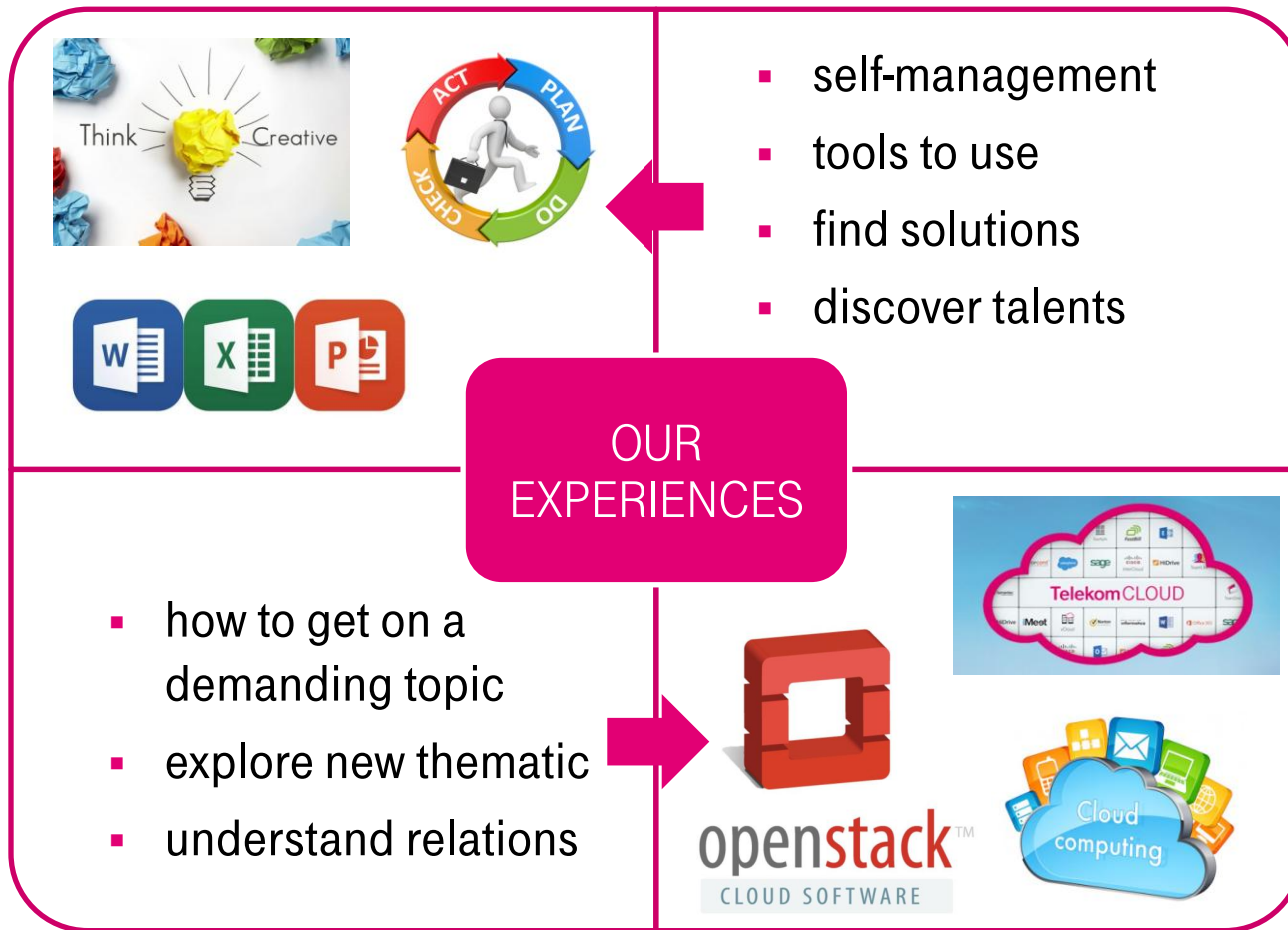




# 1.2 OUR WORKFLOW - J. SCHÄFER/O. KLIPPEL



# 1.2 OUR WORKFLOW



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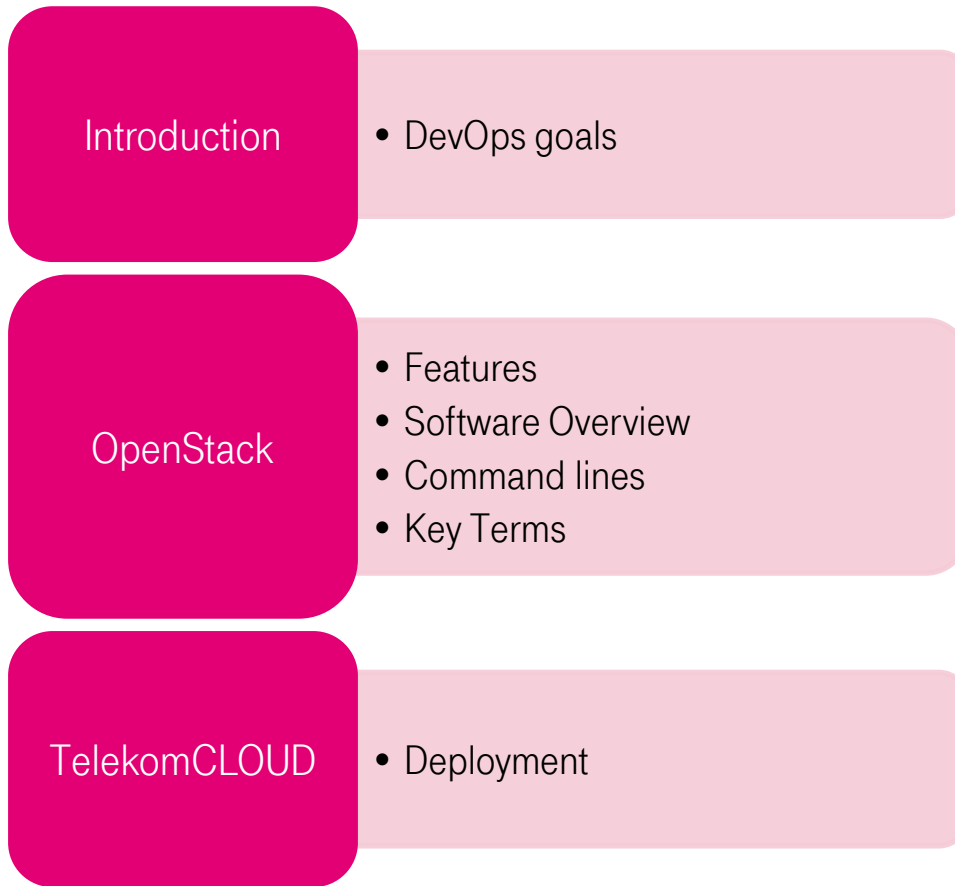
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## 2. TELEKOMCLOUD + OPENSTACK



# 2.1 REFCARD – OVERVIEW



Picture: Refcard Telekom SMB Cloud



## 2.2 OUR DEPLOYMENT – SERVICES WE USE



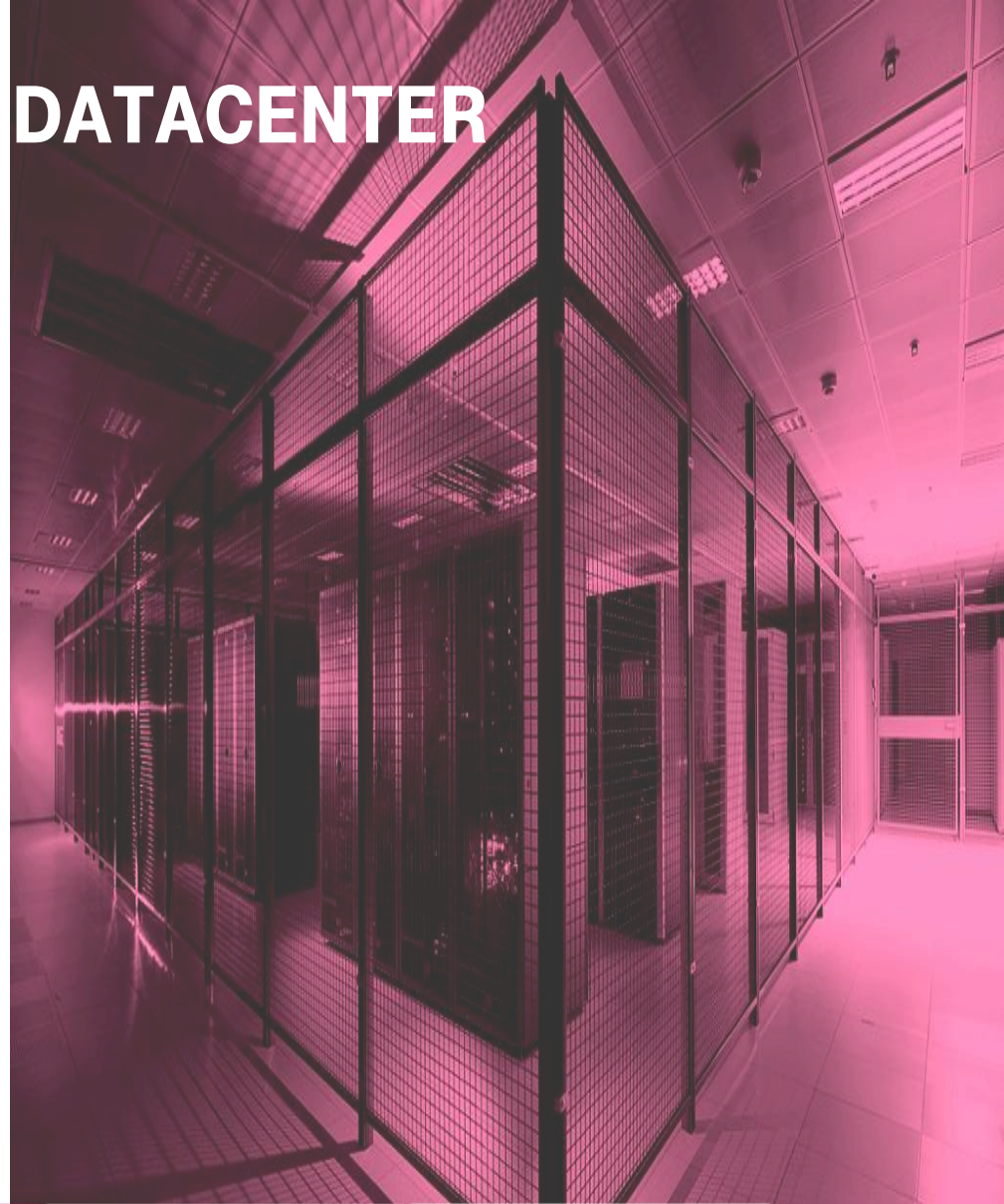
Service Name	Short Description
<b>Nova</b> (Compute)	Virtual Machine Management
<b>Neutron</b> (Networking)	Network Management
<b>Cinder</b> (Block Storage)	Storage Resource Management
<b>Keystone</b> (Identity Service)	Identity Management
<b>Glance</b> (Image Service)	Image Management
<b>RabbitMQ</b> (Message Oriented Middleware)	Communication Management
<b>Razor</b> (Bare-Metal Provisioning)	Process of Installing an Operating System
<b>Ceph S3</b> (Object Storage)	Storage Resource Management



## 2.3 OUR DEPLOYMENT – DATACENTER

- brand new datacenter Biere near Magdeburg
- largest cloud datacenter in germany
- 40.000 m<sup>2</sup> area
- high security through complex security systems
- 12 emergency power generators
- high availability

➡ we give the resources you need !



1. Introduction

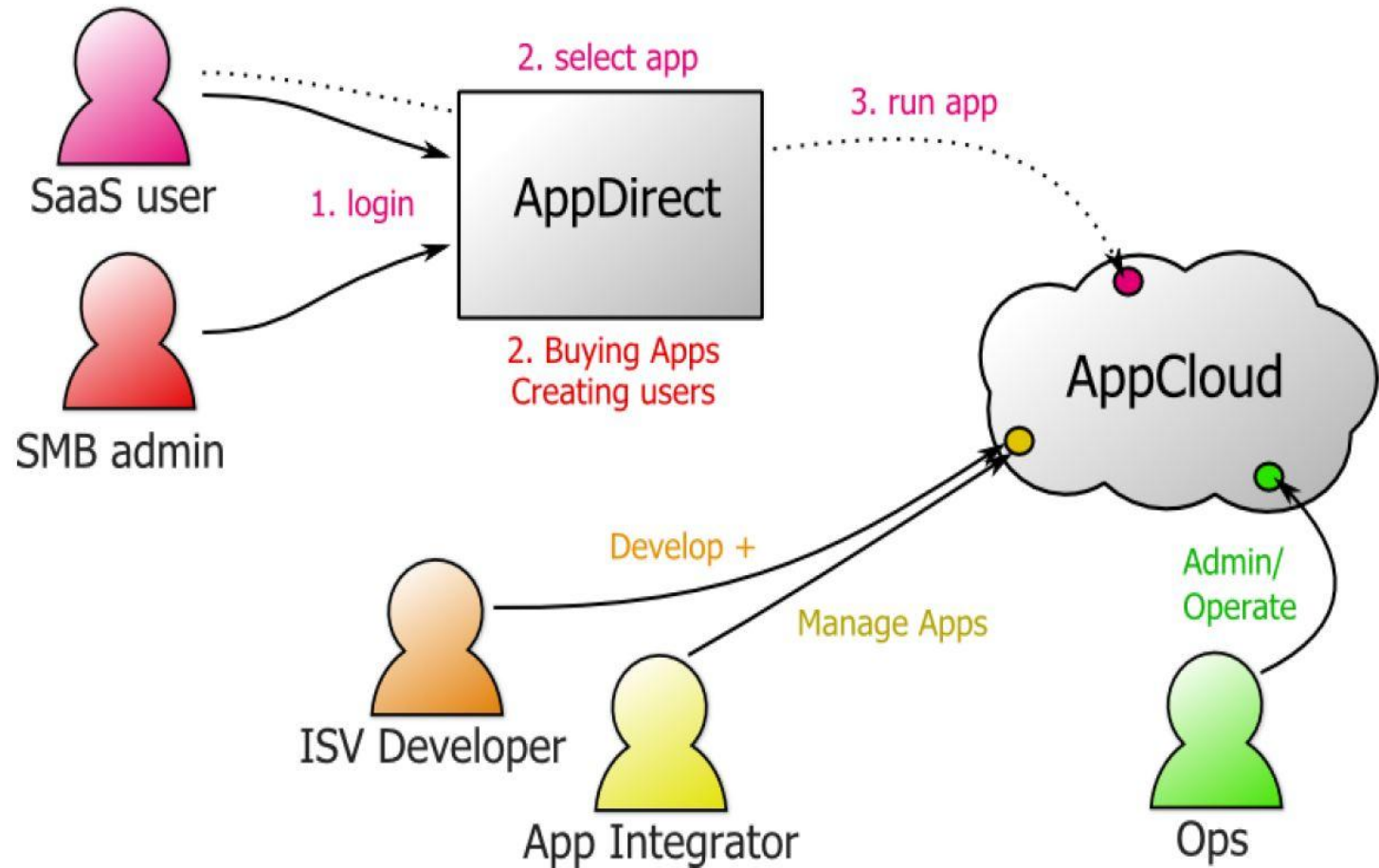
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## 2.3 OUR DEPLOYMENT - USECASE

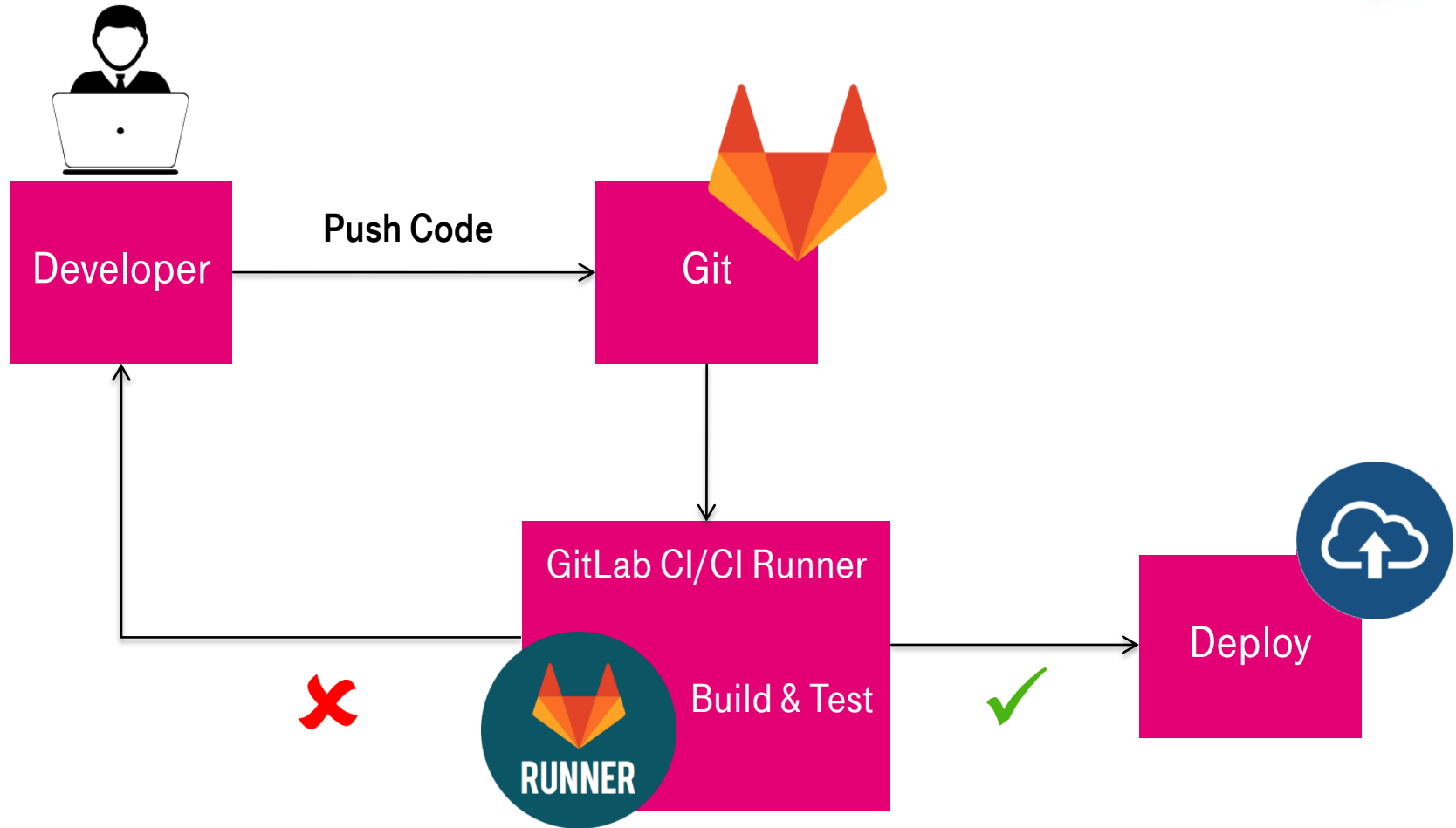


# 3. OPENSTACK IN PRACTICE





# 3.1 OPENSTACK IN PRACTICE – CI/CD IN GIT



## 3.2 OPENSTACK IN PRACTICE – VIDEO

„CREATING A TENANT WITH OPENSTACK“

Video coming soon !

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# THANK YOU FOR YOUR ATTENTION !!

# SOURCES



## Informations

- <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://cloud.telekom.de/> (Slide #14 TelekomCLOUD)
- [https://gitlab.com/uploads/project/avatar/250833/runner\\_logo.png](https://gitlab.com/uploads/project/avatar/250833/runner_logo.png) (Slide #17 Git Runner Logo)
- <http://www.autotestingtools.com/devops> (Slide #17 Deploy Logo)
- <https://d30y9cdsu7xlg0.cloudfront.net/png/27703-200.png> (Slide #17 Developer)
- <https://gitlab.com/uploads/project/avatar/13083/gitlab-logo-square.png> (Slide #17 GitLab Logo)
- <http://copting.de/wp-content/uploads/kreuz-rot.png> (Slide #17 cross)
- <http://copting.de/wp-content/uploads/Haken-gr%C3%BCn-284x300.png> (Slide #17 hook)
- <https://de.pinterest.com/pin/556053885218068326/> (Slide #19 Background)

# 4. QUESTIONS & ANSWERS

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