



# Oracle Cloud Container Service

...meets APEX

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# Agenda

1 Oracle Cloud Container Services

2 Die Idee im Detail

3 OCCS meets APEX



# Oracle Cloud Container Services

- Docker Integration
- Continuous Integration/Delivery



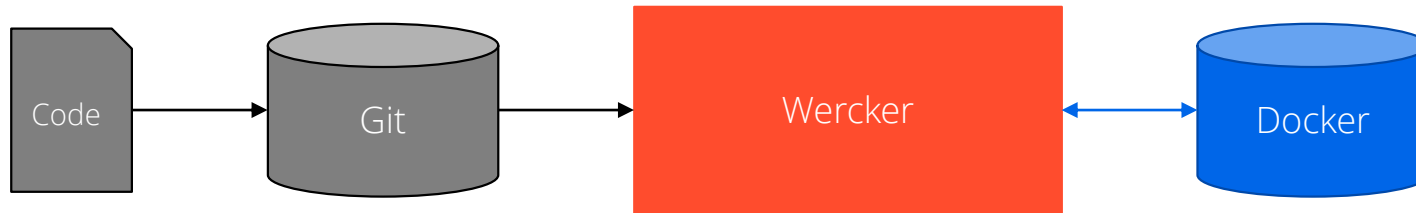
# OCCS – Docker Integration

- einfaches Einbinden von Docker Repositories
- einfaches Definieren von Services auf Grundlage eines Docker Image
- einfaches Definieren von Stacks auf Grundlage von Docker Images



# Continuous Integration/Delivery

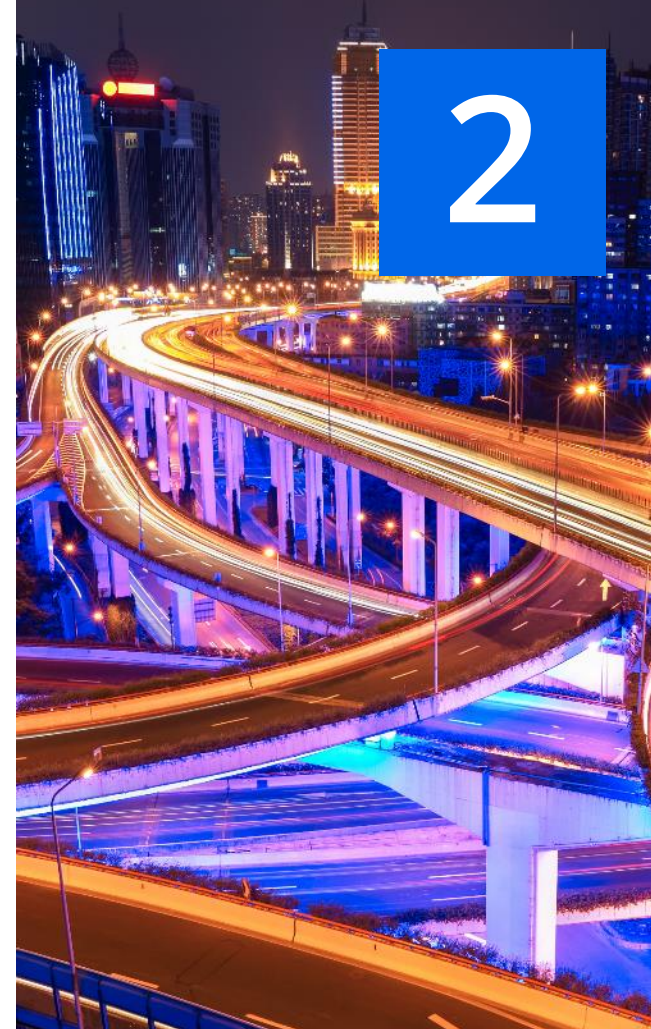
- „Wercker is a Docker-Native CI/CD Automation platform“





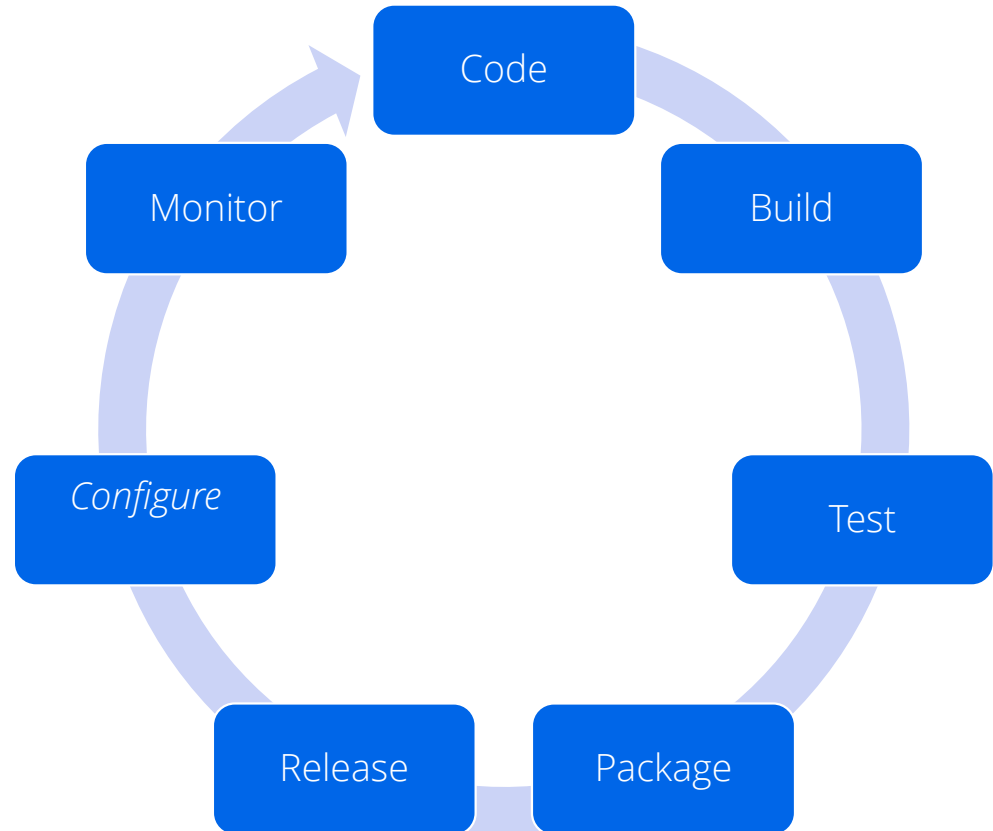
# Die Idee im Detail

- Die Herausforderung
- Der Lösungsansatz
- Konfiguration

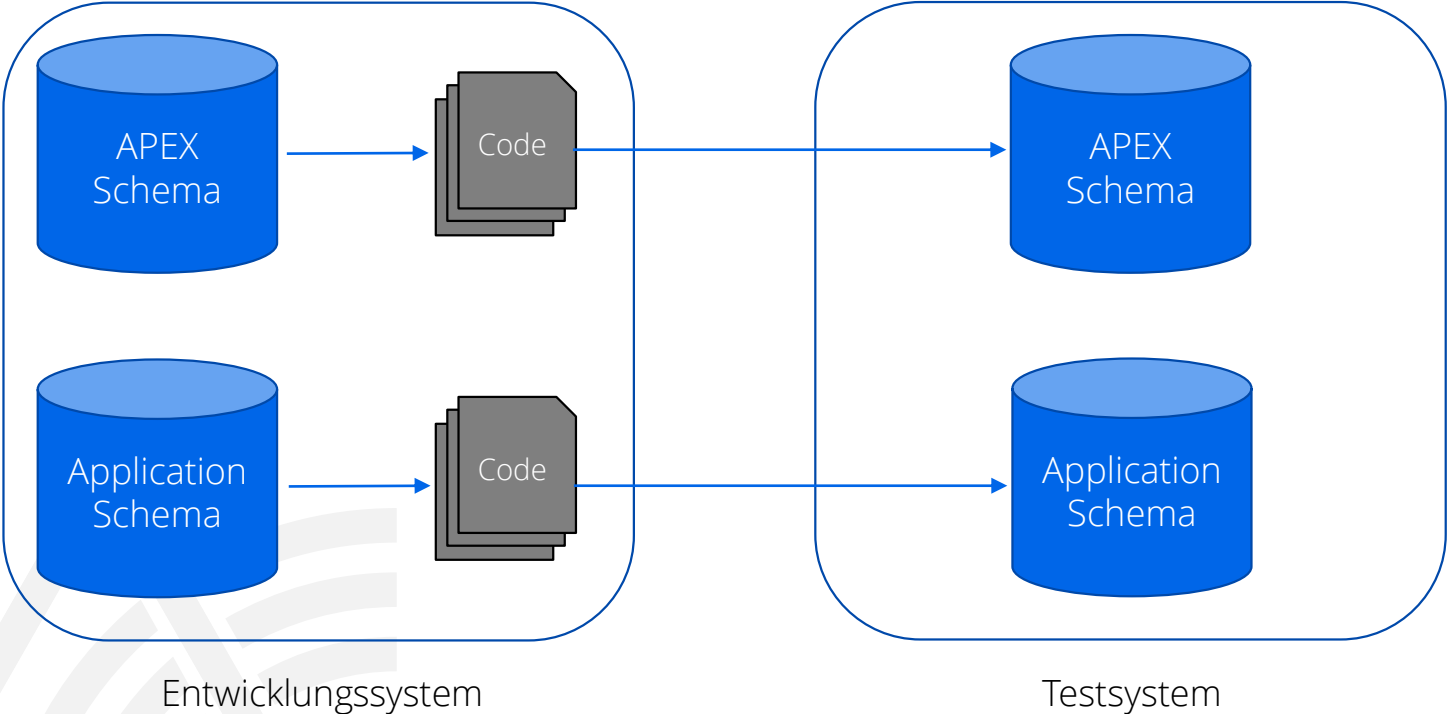


# Die Herausforderung

## ■ DevOps für APEX Projekte

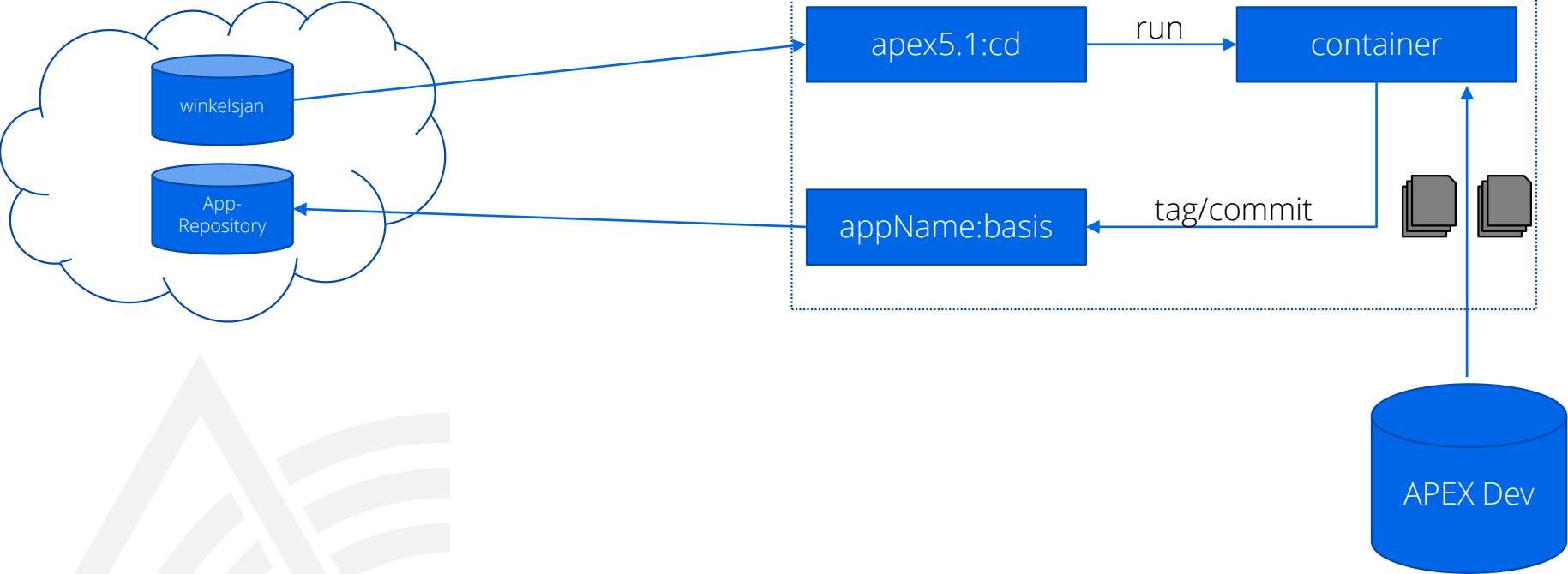


# Die Herausforderung

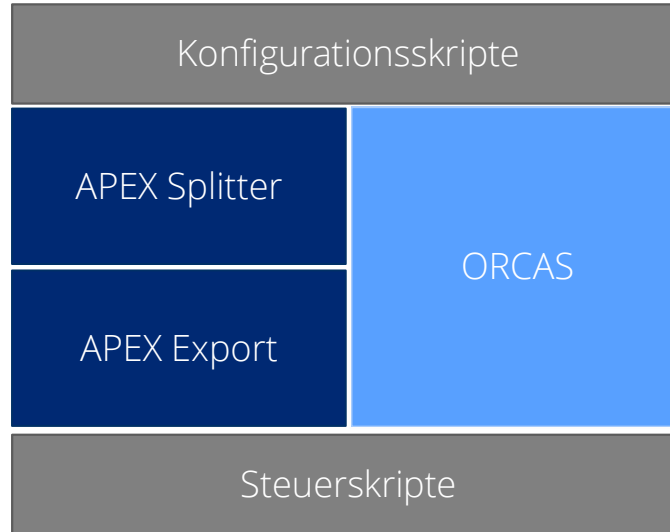




# Die Herausforderung



# Der Lösungsansatz



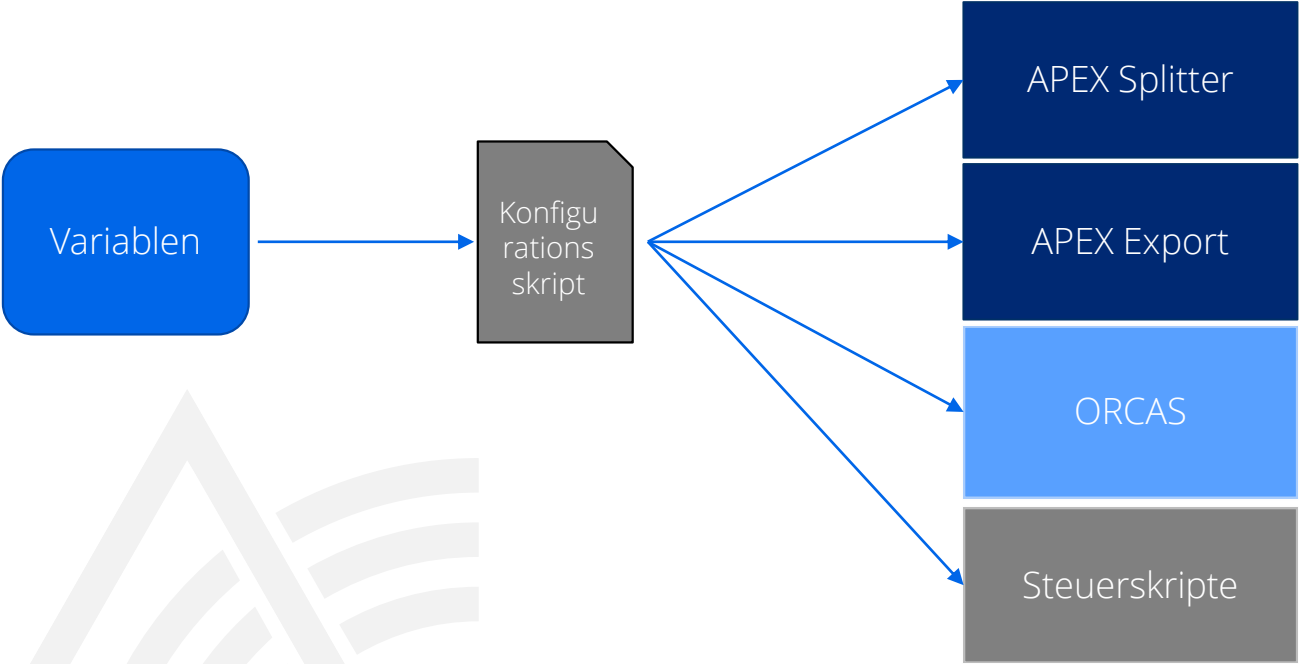
# Der Lösungsansatz

Variable Name	Value
DBHOST	Hostname of your database
DBNAME	A name for the tnsnames.ora
DBPORT	Port of your database
DBSID	SID of your database
SCHEMA	Name of the source schema
SCHEMAPW	Password of the source schema
WORKSPACE	Name of your APEX workspace. Case Sensitive!
APEXAPPID	The ID of your APEX application
APEXAPPNAME	The name of your APEX application
EXPORTPATH	The Path under which the export files will be stored. Standard is /home/apple
<i>FULL_DEPLOY_MODE</i>	<i>Schema creation mode</i>

```
docker run -e DBHOST=dev -e DBNAME=dev ...
```

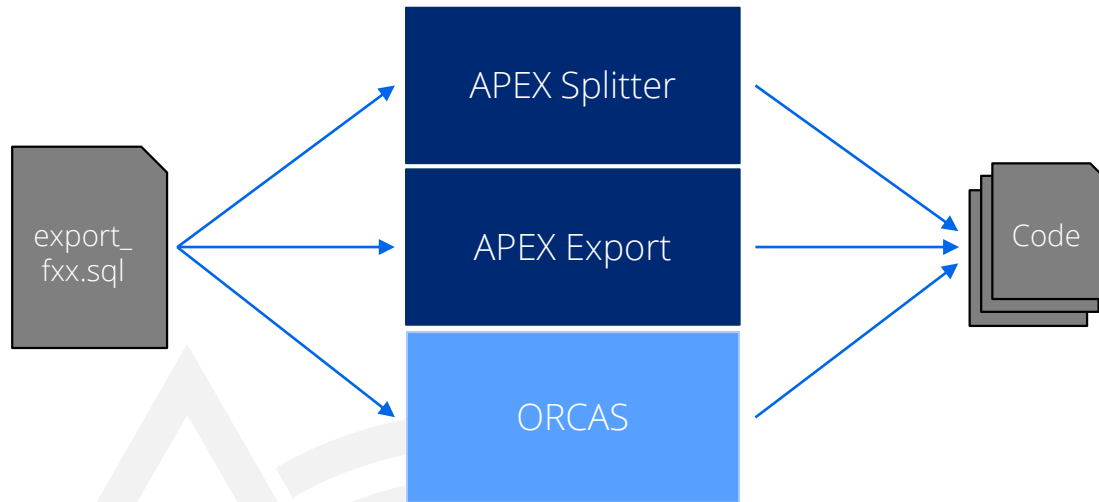
```
docker run -e DBHOST=test -e DBNAME=test ...
```

# Der Lösungsansatz



# Der Lösungsansatz

- Steuerung von APEX Export und ORCAS über ein Steuerskript

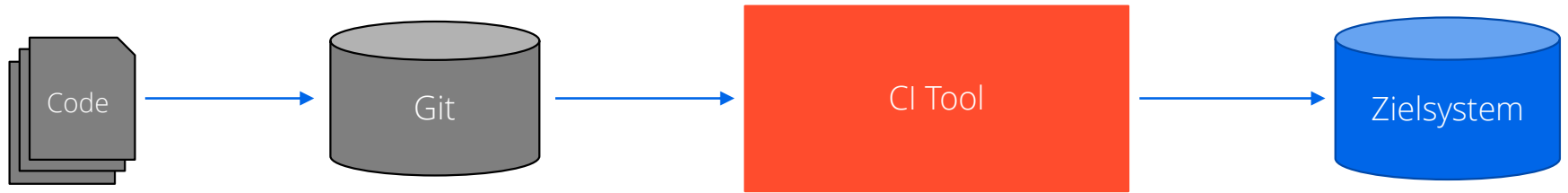


# Manuelles Deployment

- Über das Skript `deploy.sh` möglich
- Aufwand in der Build und Package Phase (`git pull` usw.)
- Skript muss manuell angestoßen werden

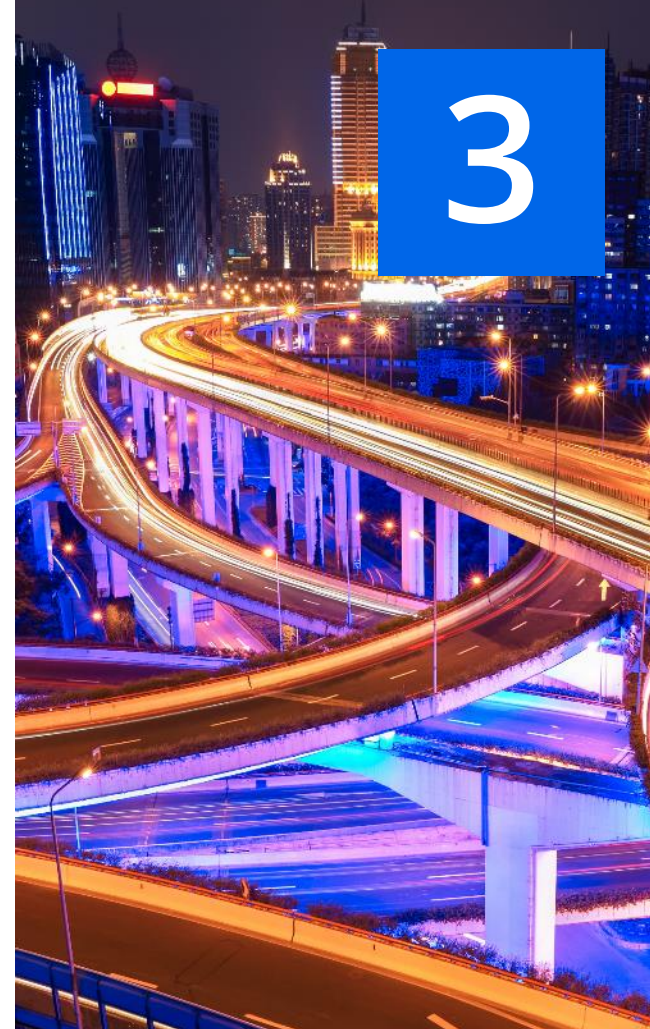


# Automatisches Deployment

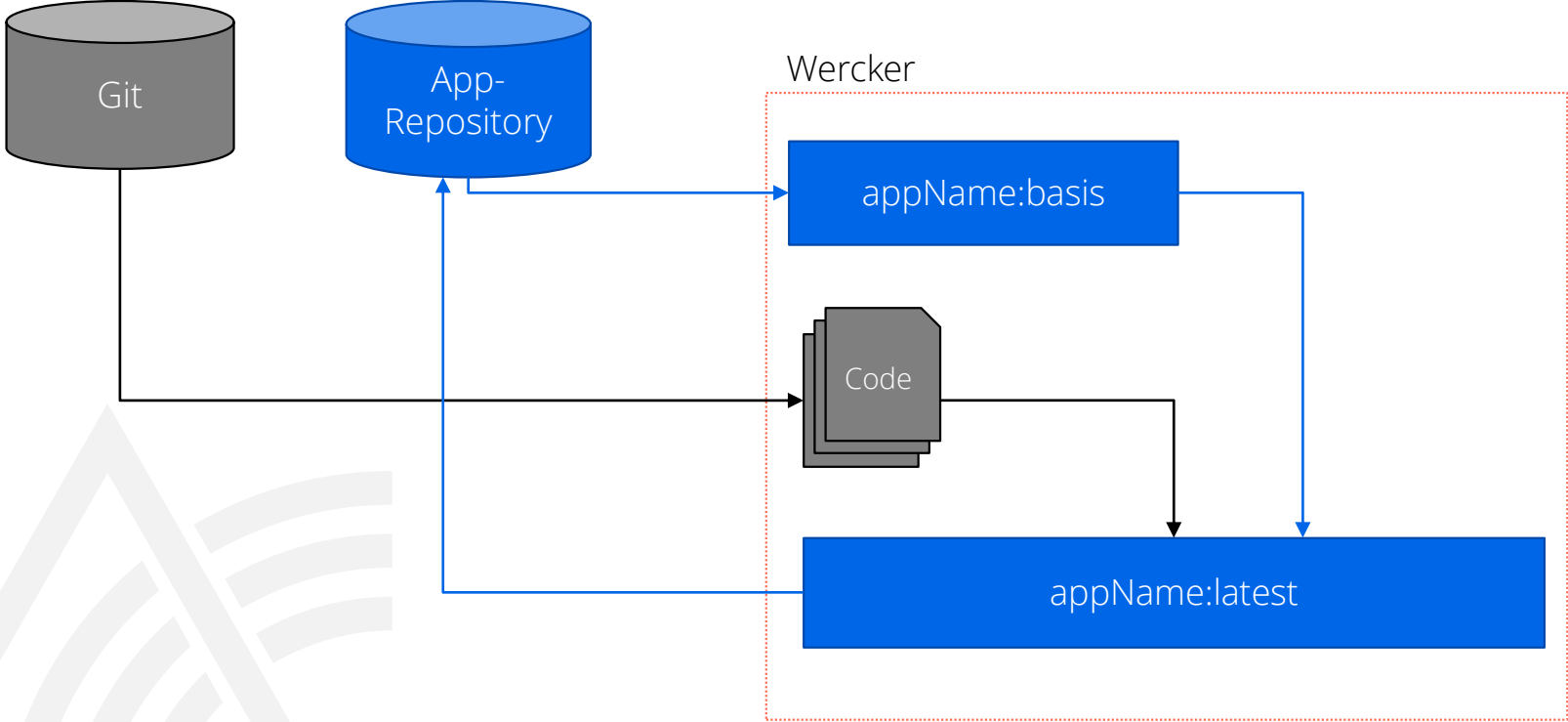


# OCCS meets APEX

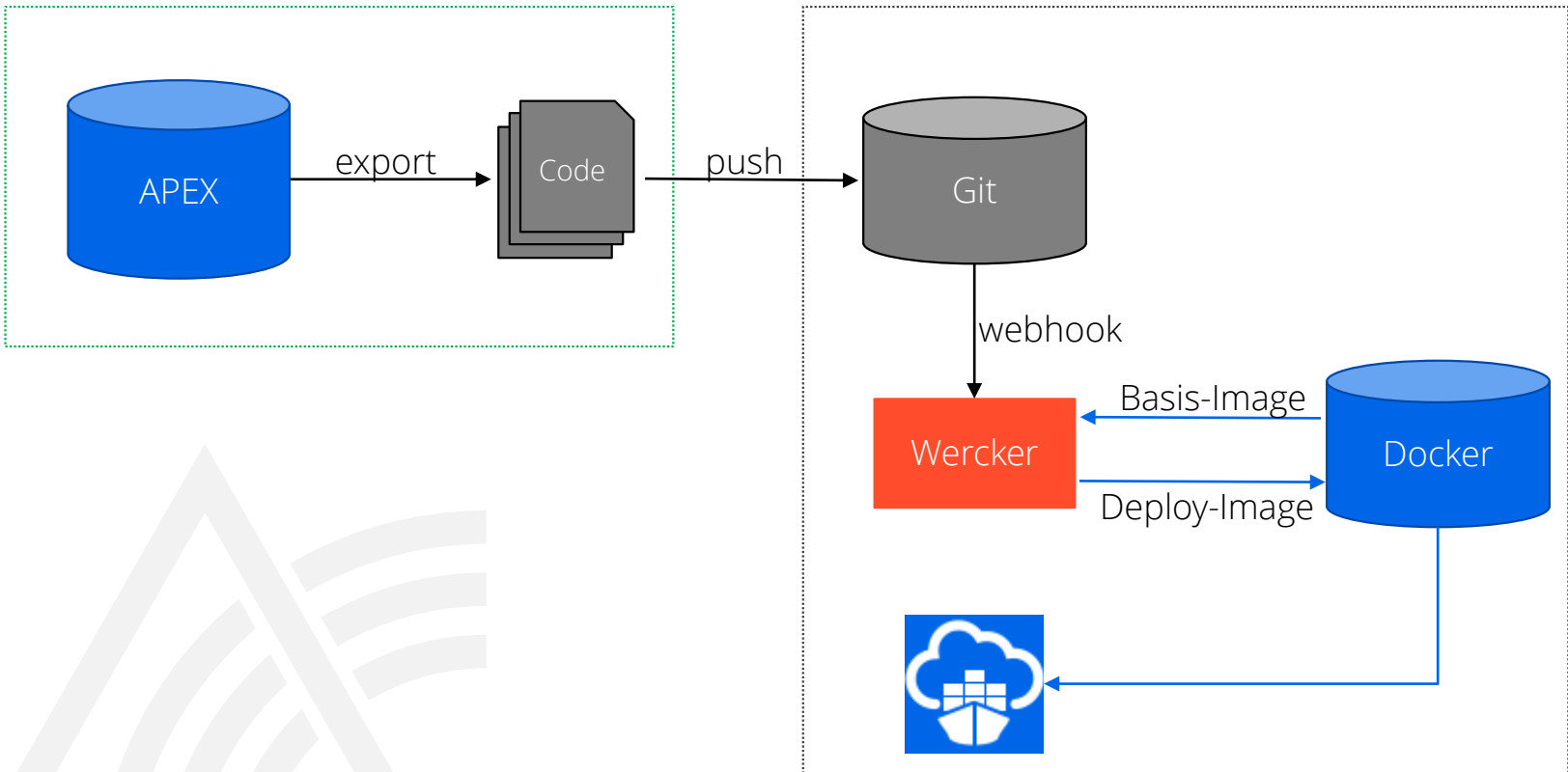
- Erläuterung des Prinzips
- Live-Demo



# Erläuterung des Prinzips



# Erläuterung des Prinzips





# Fragen und Antworten

- CD/CI wo ist der automatisierte Test?
- Bekannte Probleme?
  - APEX generierte Packages
  - Vorgenerierte APEX Tabellen
- SID ist veraltet, kann man einen Service Name angeben?

# **APEX** *connect* by DOAG

**24. - 26. April 2018**  
**in Düsseldorf**

[apex.doag.org](http://apex.doag.org)





# Quellen

- <http://blog.wercker.com/automate-your-firebase-deploy-with-wercker>
- <https://www.docker.com/what-docker>
- <https://thecattlecrew.net/2015/08/04/erste-schritte-mit-orcas-oder-continuous-delivery-fuer-die-datenbank-leicht-gemacht/>
- <http://opitzconsulting.github.io/orcas/de/>
- <http://apexormore.blogspot.de/2017/11/how-to-create-continuous-delivery.html>



Keep curious! Stay connected!



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