



# Agiles Deployment in einem streng regulierten Bankenumfeld

Martin Kaderabek  
Reinhard Schilling

## Who we are

### sIT Solutions

- IT solutions provider for Erste Bank and Sparkassen in Austria
- Turnover 300 m, Employees 900

### Martin

- ~20 years in IT Development in banking sector: Java/JEE → Software Architect → OpenShift
- Specialised in software development and operation

### Reinhard

- ~20 years in IT Infrastructure in banking sector: OpenVMS → Linux/Solaris → Cloud Architect
- Specialised in IT automation for 10 years

# The Vision

- 1 Self Service for Developers
- 2 DevOps
- 3 Microservices
- 4 Time to market

# Security / Compliance Requirements

1

Deployments must be:  
comprehensible, documented, reproducible

2

Separation of environments:  
development, acceptance, production

3

Multi-Tenancy

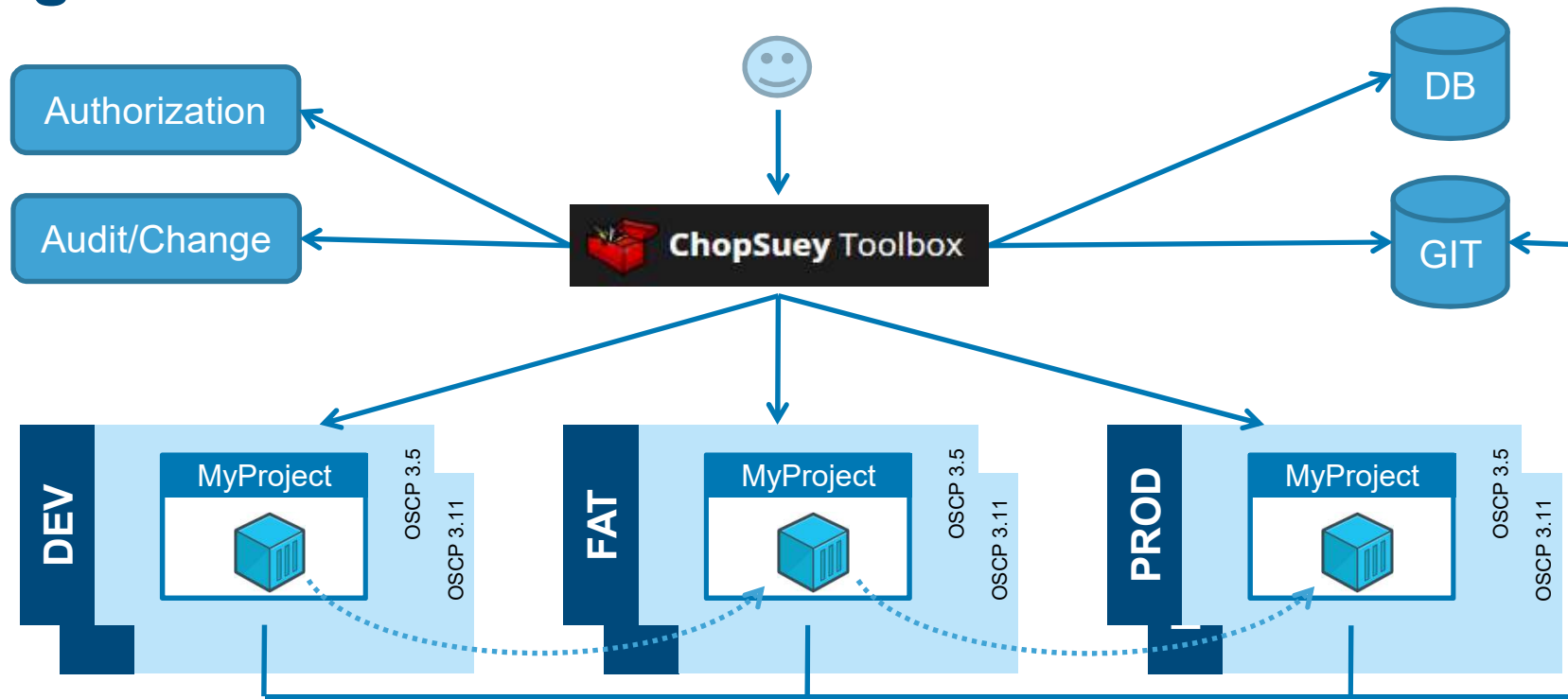
4

No docker on workstations

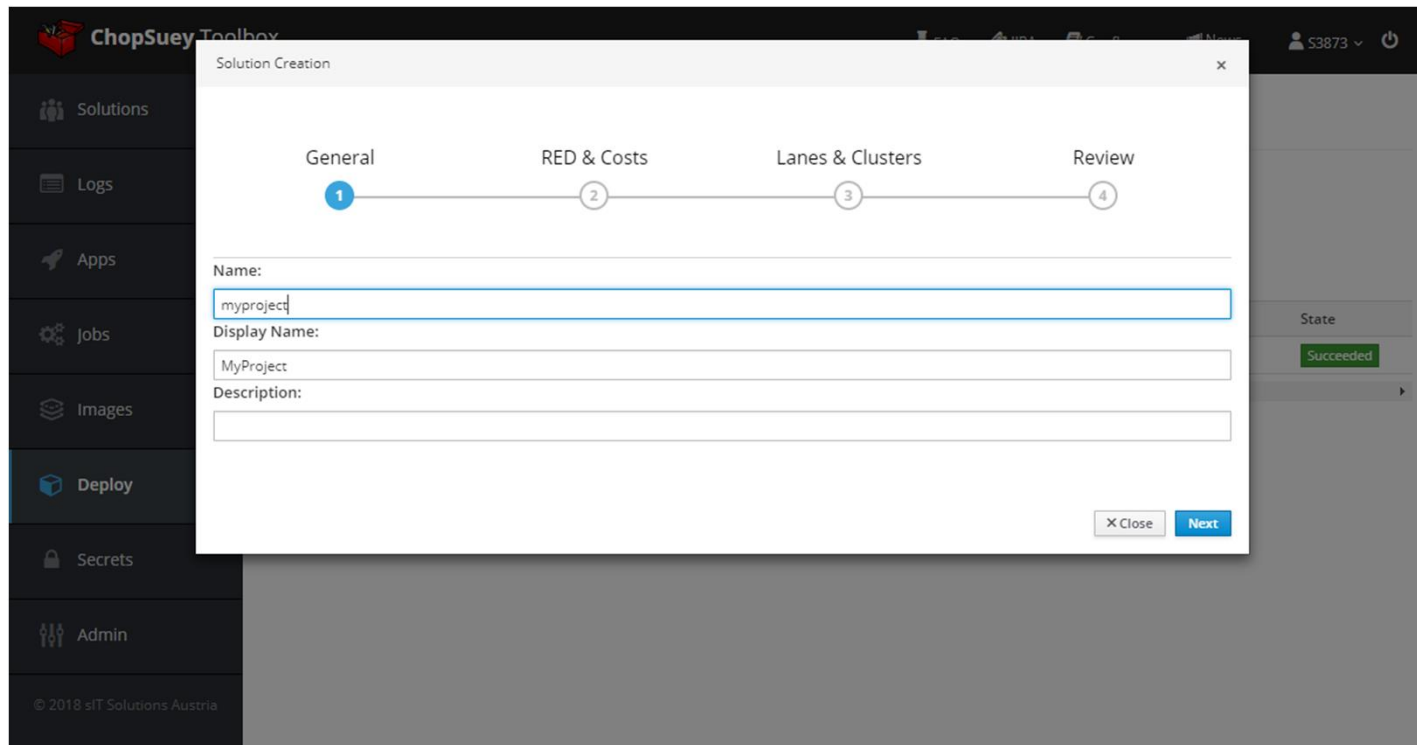
# Reality

- 1 Developers are not allowed to modify objects in OpenShift directly
- 2 Staging of deployments over clusters
- 3 Integration into existing processes and tools: change, authorization & permission, ...
- 4 Self written frontend named “ChopSuey Toolbox”

# High Level Architecture



# New Project (Demo)



## Create Image

- 1 Create “application” repository in git
- 2 Add application artefacts
- 3 Configure builder image
- 4 Build the Image via Toolbox



# Build Image (Demo)

**ChopSuey Toolbox**

FAQ JIRA Confluence News 53873

Solutions

Logs

Apps

Jobs

**Images**

Deploy

Secrets

Admin

© 2018 sIT Solutions Austria

Images

Owned Basis

Solution myproject Image webdemo

Clusters Version

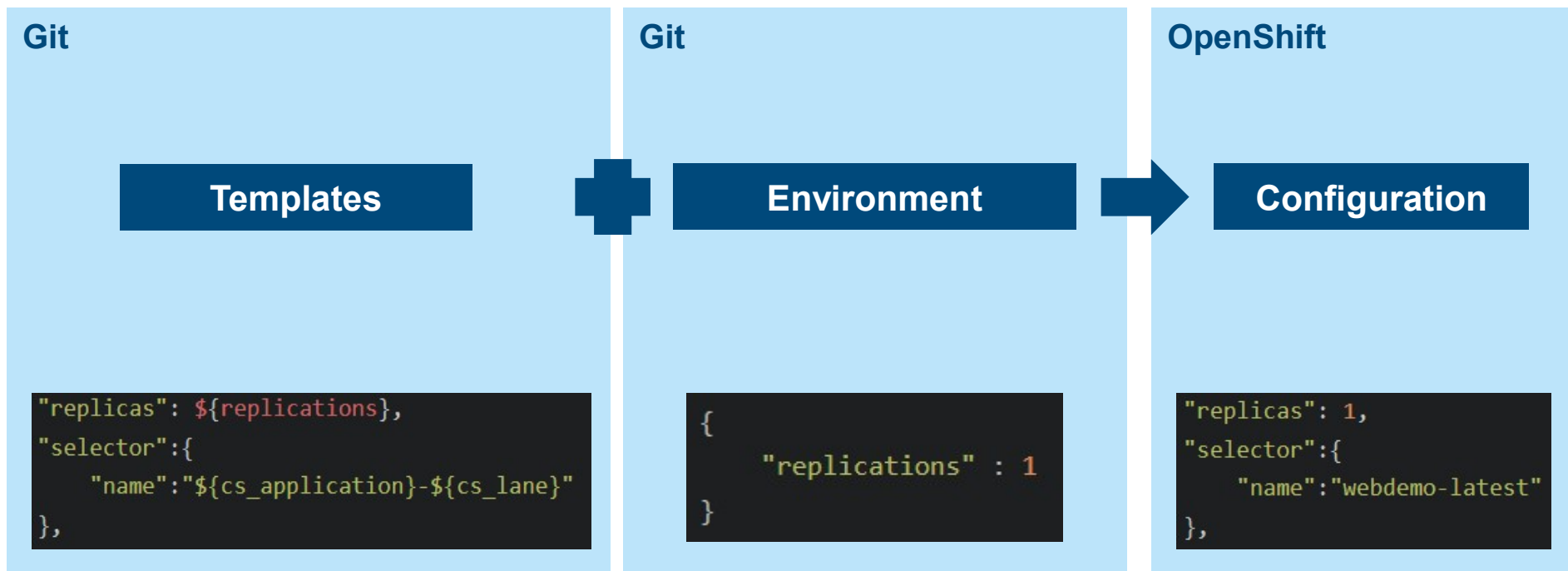
microd

Repository Version	Image Version	Build Status	Build Nr.	Message	Created
cs-version/v1.0.0	Building	Running	1	Merge branch 'master' into 'cs-version/v1.0.0'	

## Create OpenShift configuration

- 1 Create “origin” repository in git
- 2 Add configuration artefacts
- 3 Configure environment differences
- 4 Deploy the application via Toolbox

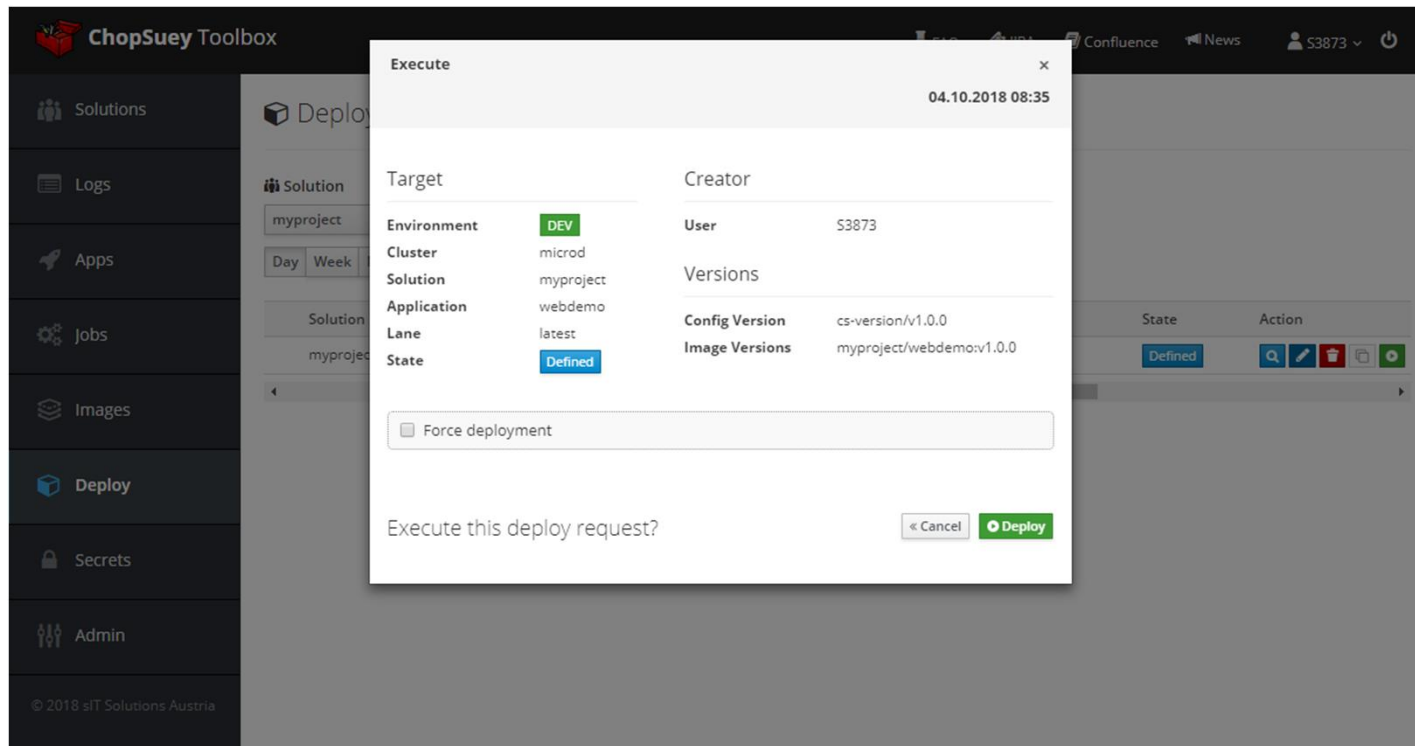
# Template Processing



## What are Lanes?

- 1 A naming pattern
- 2 Deploy an application multiple times in the same project in different versions

# Deploy Application (Demo)



## Lessons learned?

1

The Team rules

2

Stay up to date with OpenShift

# Questions?