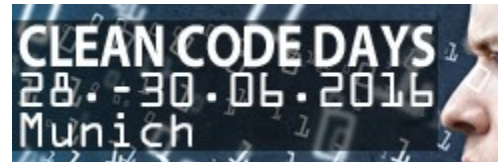


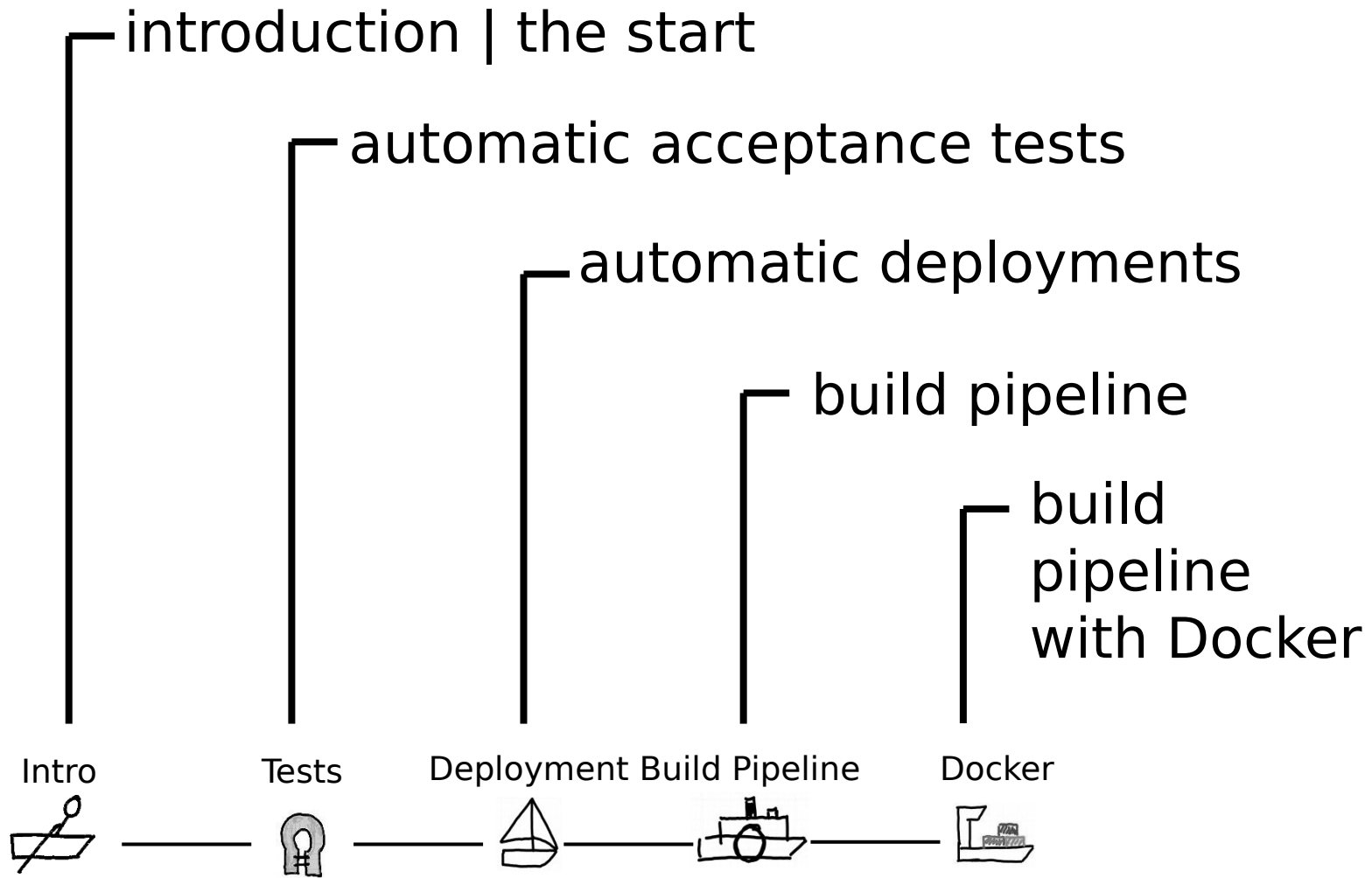
From rowing boats to container ships

a journey to continuous delivery



Tobias Getrost | 1&1 Telecommunication SE

Agenda

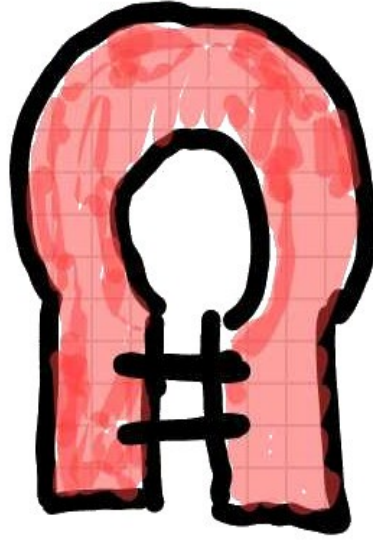
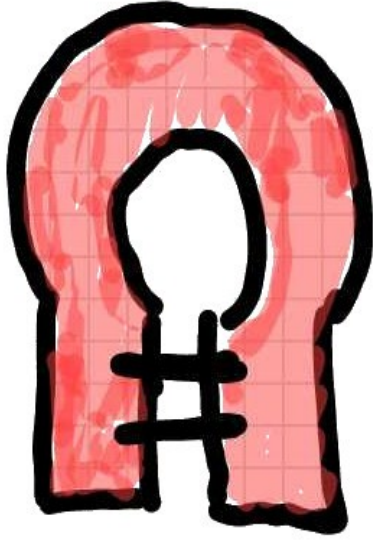


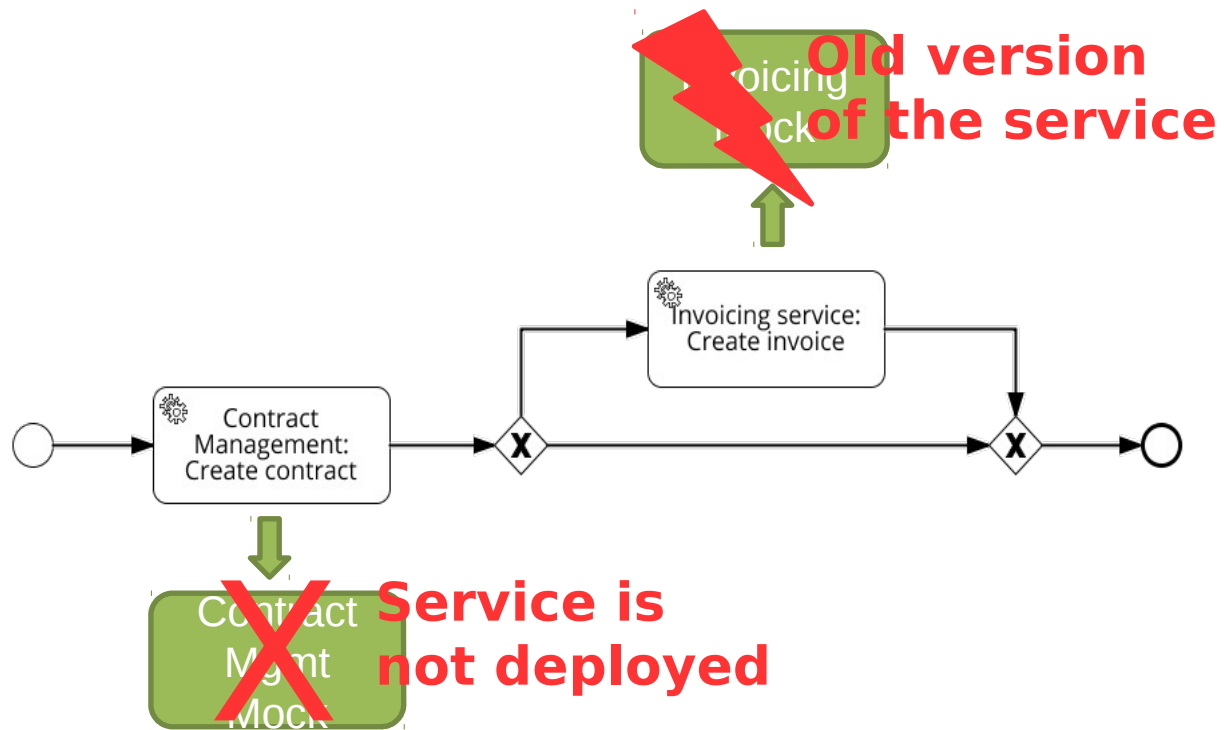


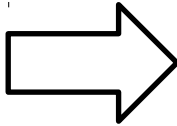
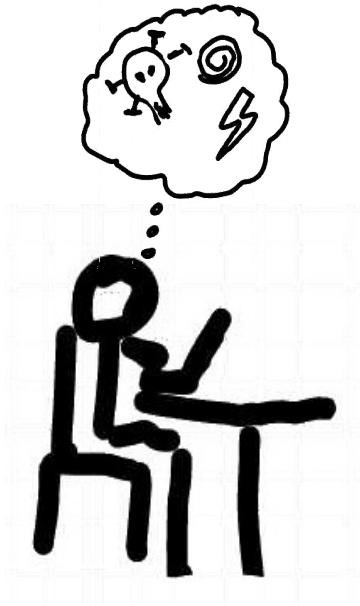
“Reliable Software Releases through Build, Test and Deployment Automation”

J. Humble, D. Farley: Continuous Delivery

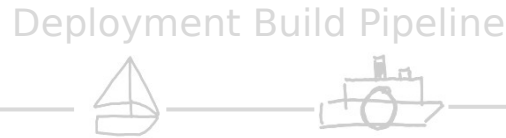


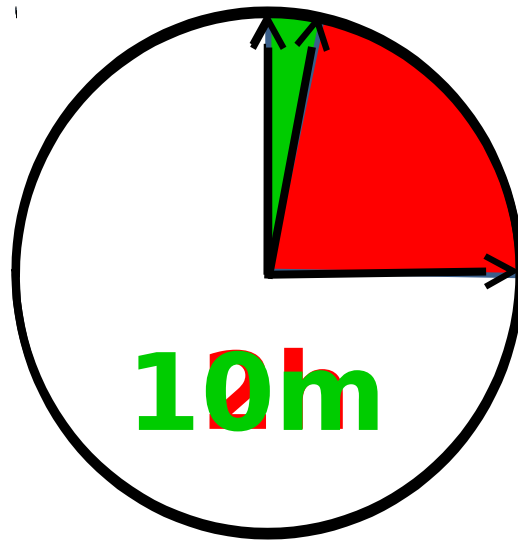


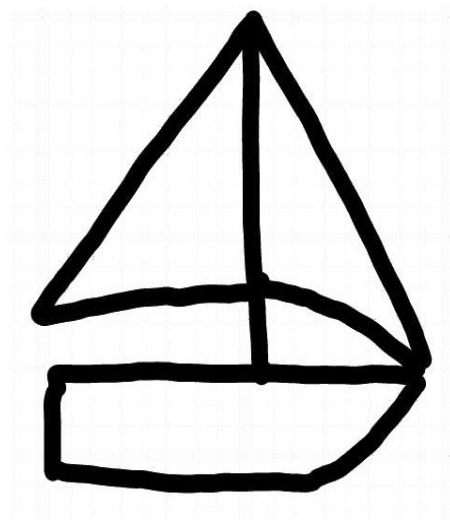


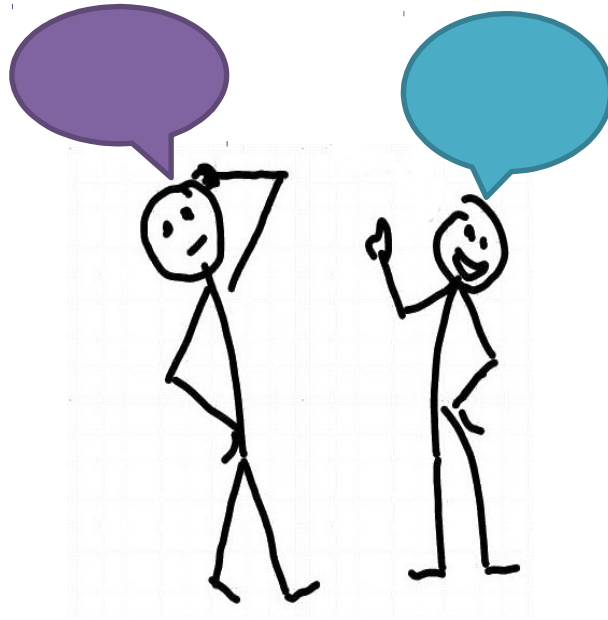


HAP.AddOnType	HAP.BandwidthConsultation
HAP.BandwidthVerificationService	HAP.CandisCorrelationService
HAP.Cart	HAP.CCSFacade
HAP.ConsumerProcessesCommon	HAP.DuplicateRequestBlockService
HAP.FeasibilityCheckCallbackAPI	HAP.FeasibilityCheckCommon
HAP.FeasibilityCheckMessageMapper	HAP.GenProvisioningValueService
HAP.germ	HAP.LetterOfIntentProcess
HAP.OrchestratorProcess	HAP.OvernightStatistics
HAP.Preclearing	HAP.PreclearingCallbackService
HAP.ProcessMonitor	HAP.SerializablePSSItems
HAP.ServiceRegConclearbossSlot2	HAP.ServiceRegConclearbossSlot3
HAP.TariffProxy	HAP.timqaschubs
HAP.UseCaseMapper	

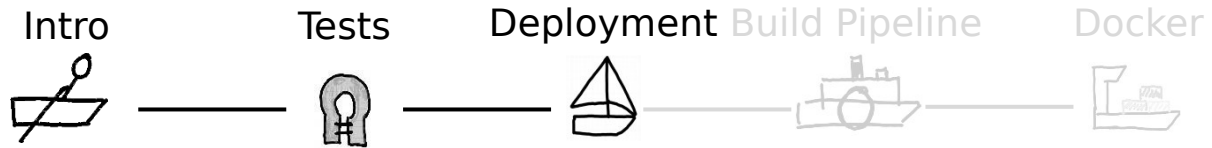








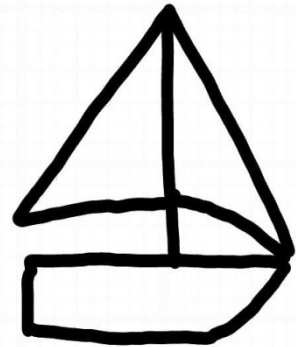
Talk to each other



Talk to the stakeholders early
e.g. IT team

Automatic deployments

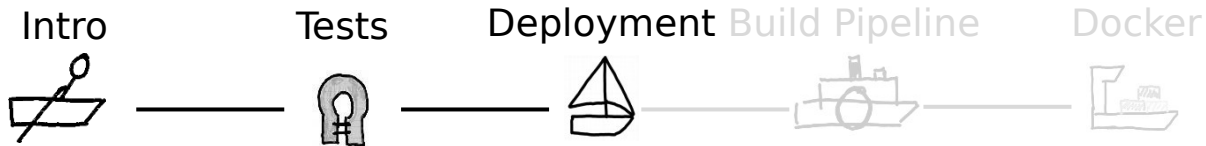
Use the same tools for ALL stages

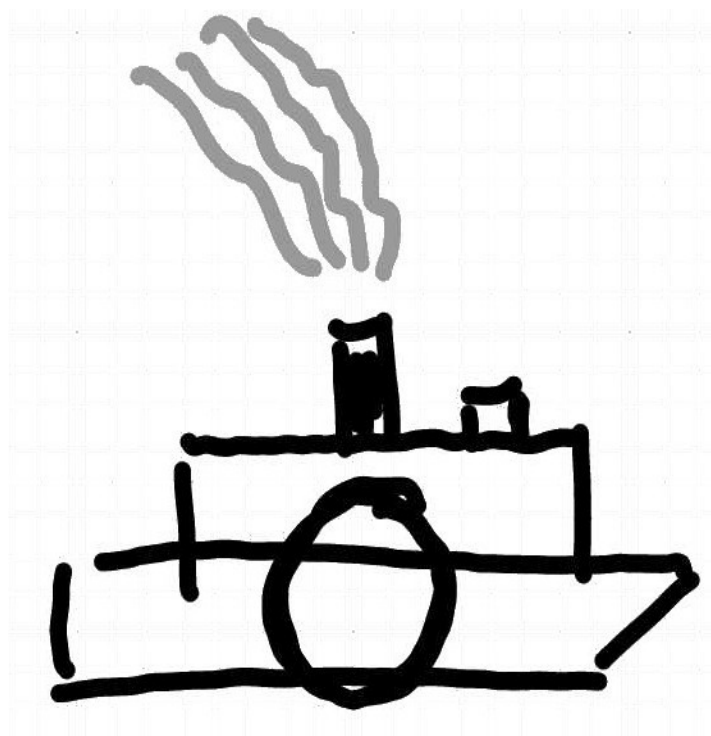


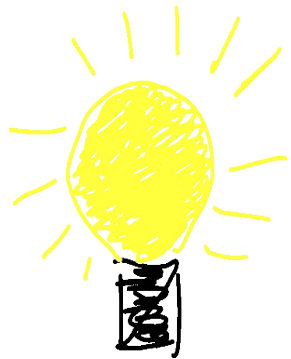
Track your deployments
(what was when deployed)

Lessons learned & good practices

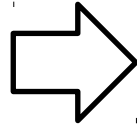
Automate the configuration, too



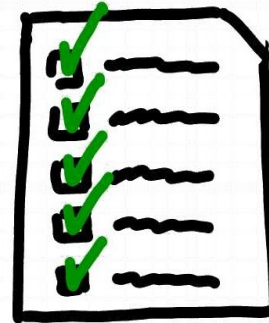
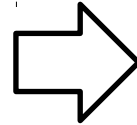




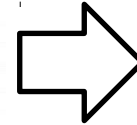
idea



implement



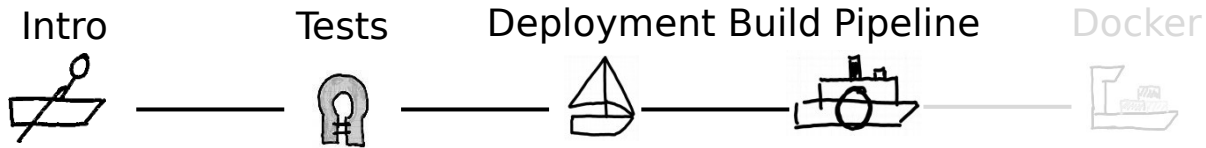
test

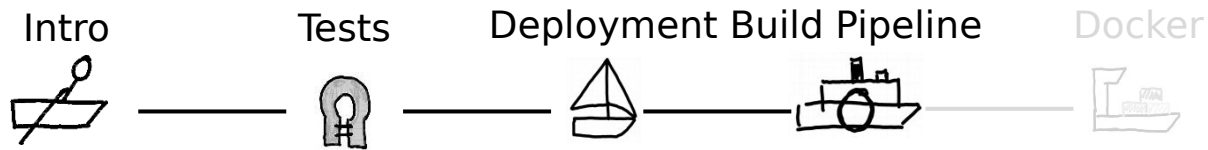
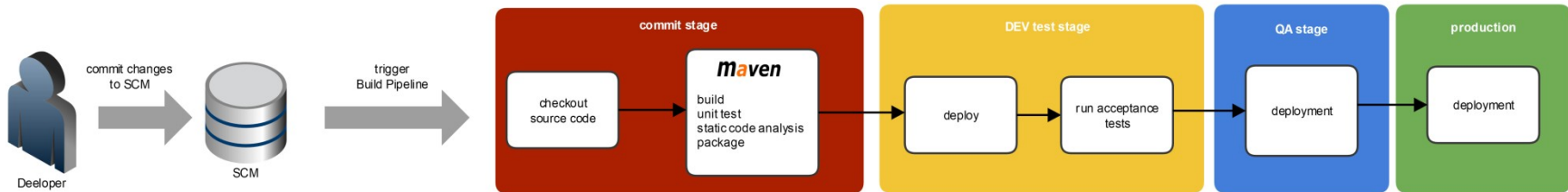


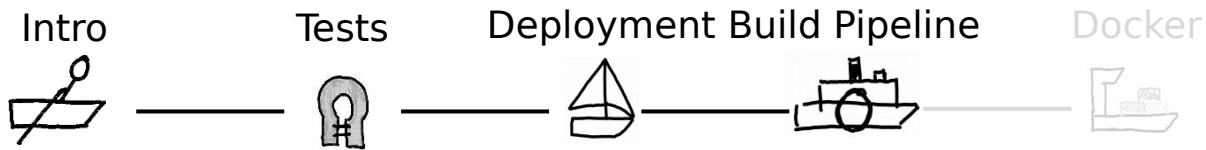
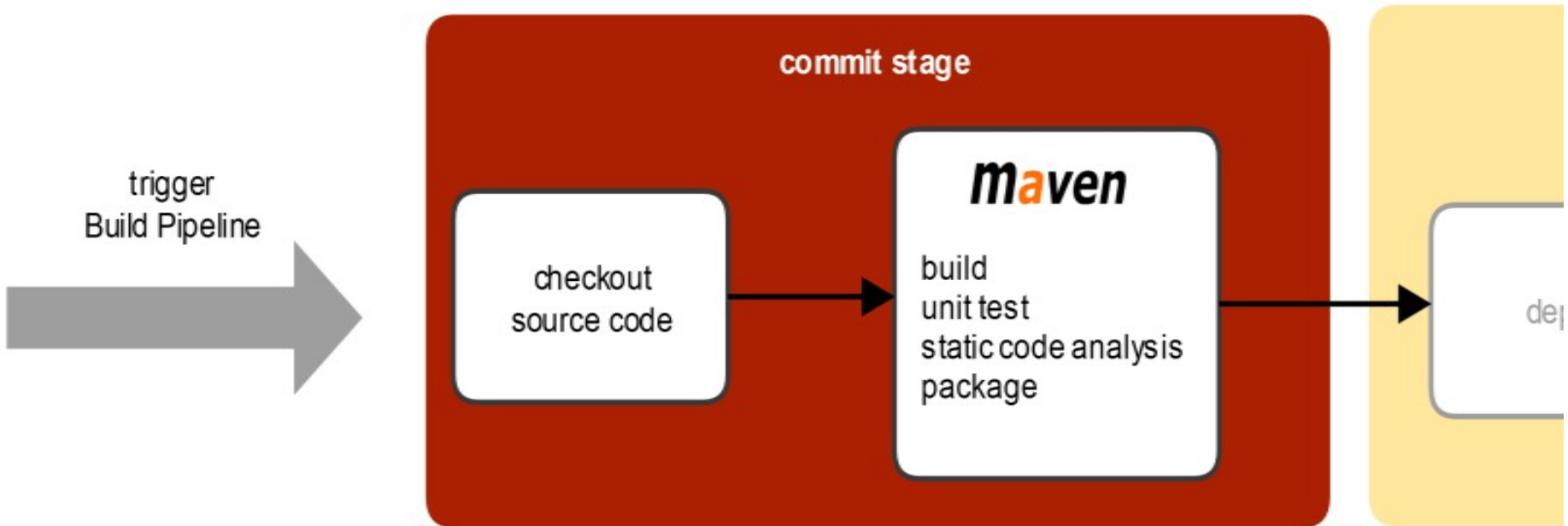
go live

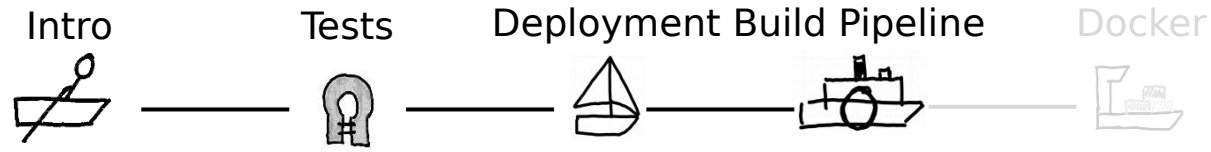
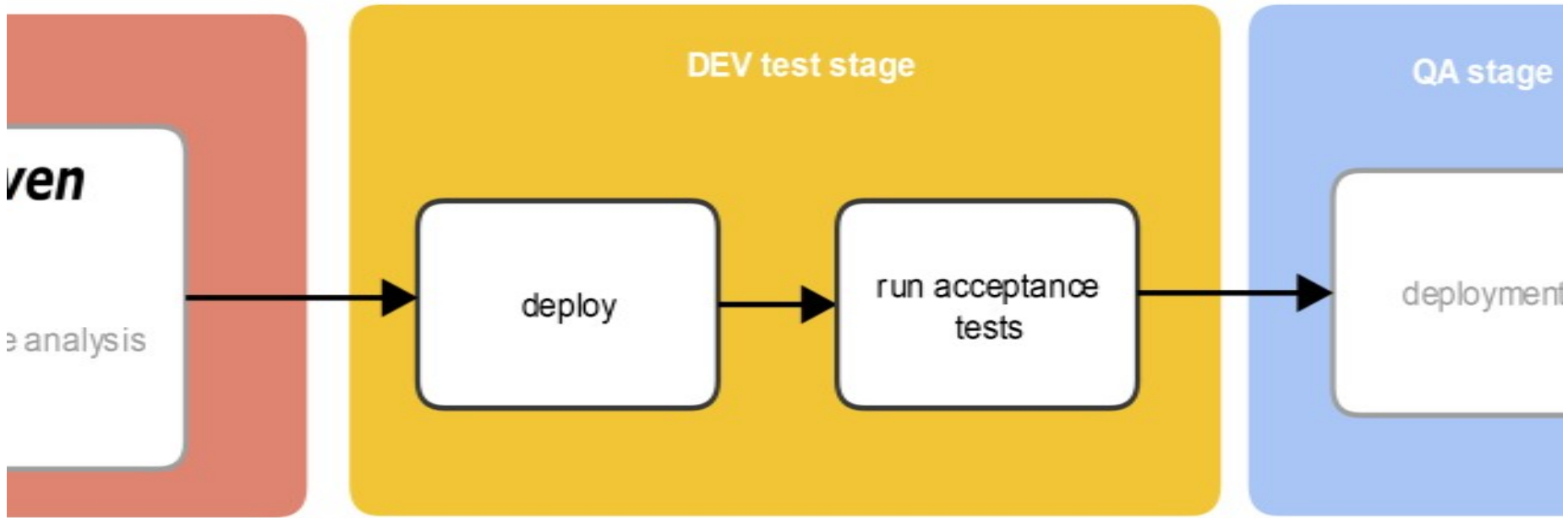


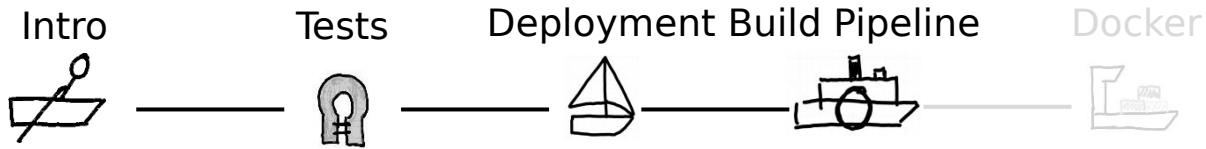
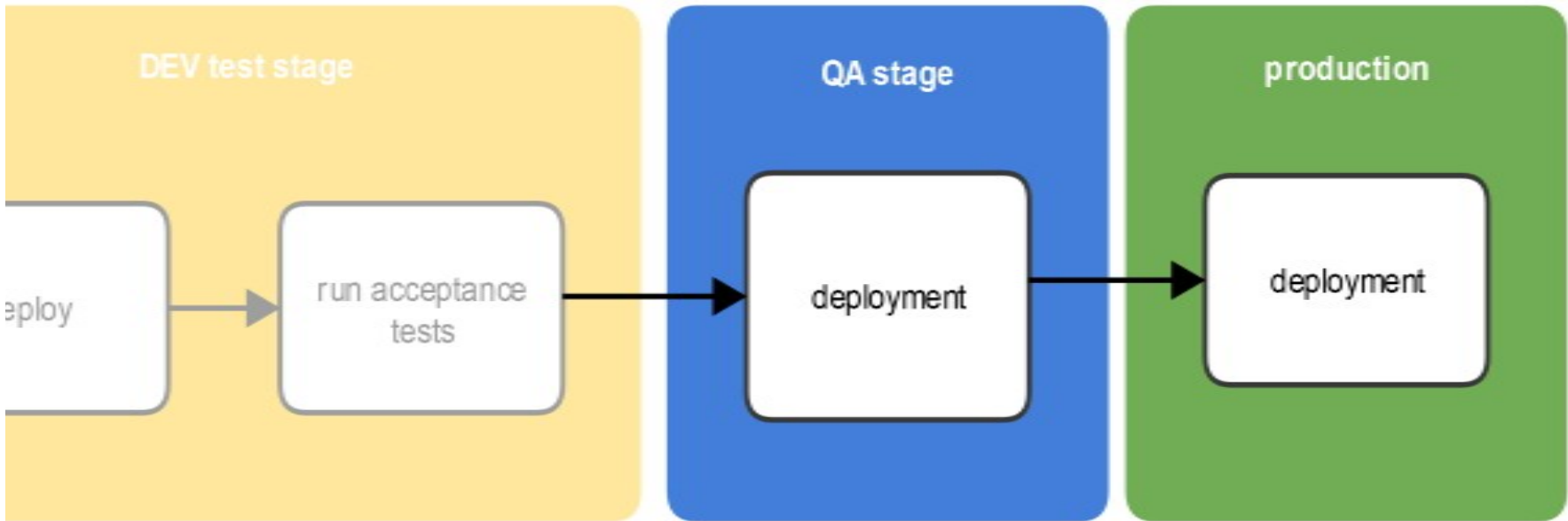
cycle time







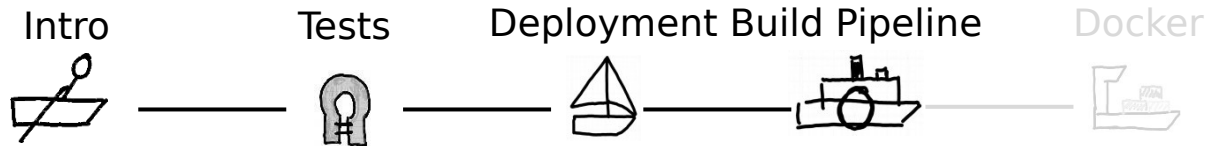


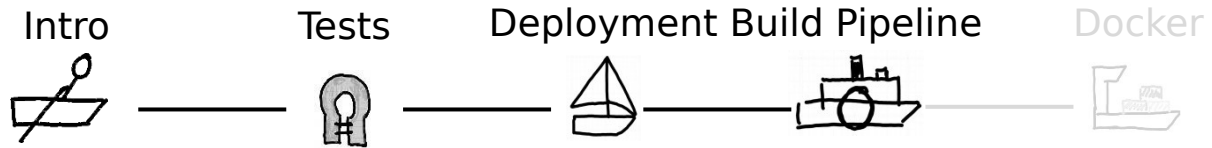


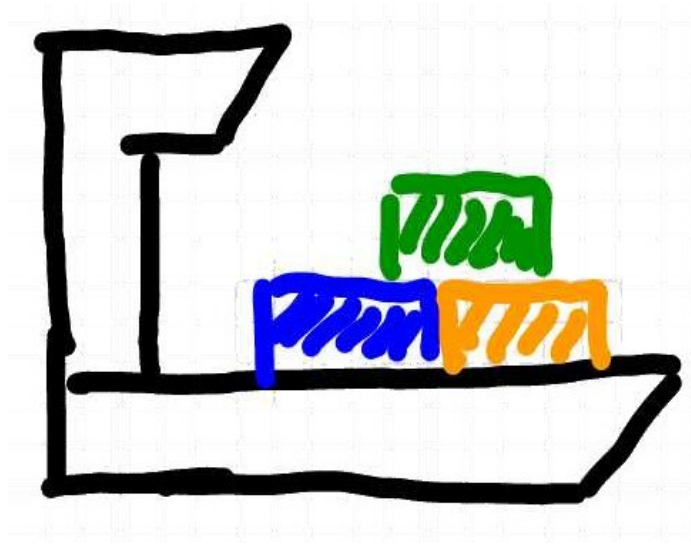


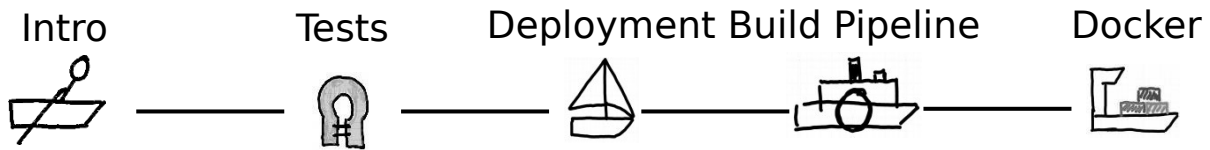
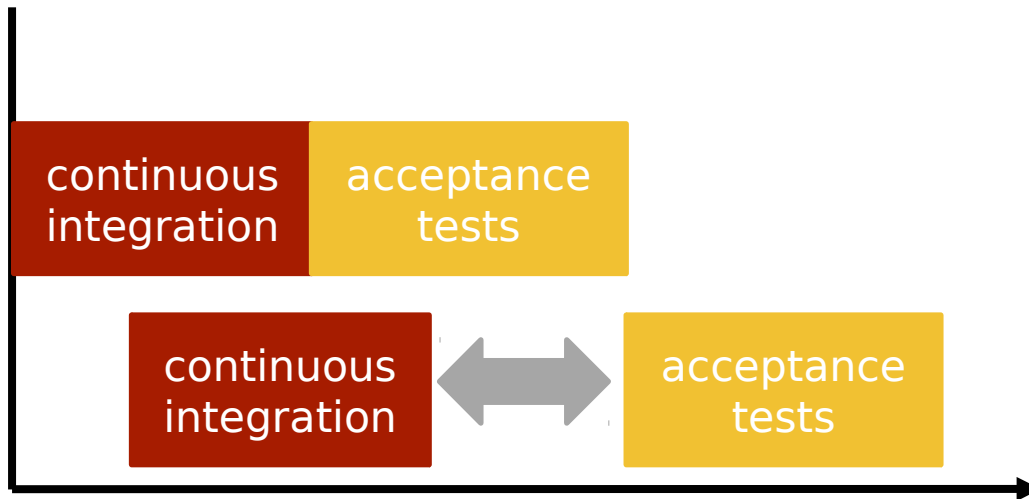
Jenkins pipeline plugin

- Groovy DSL
 - flexibel
 - pipeline as code
- supports stages
- Docker support



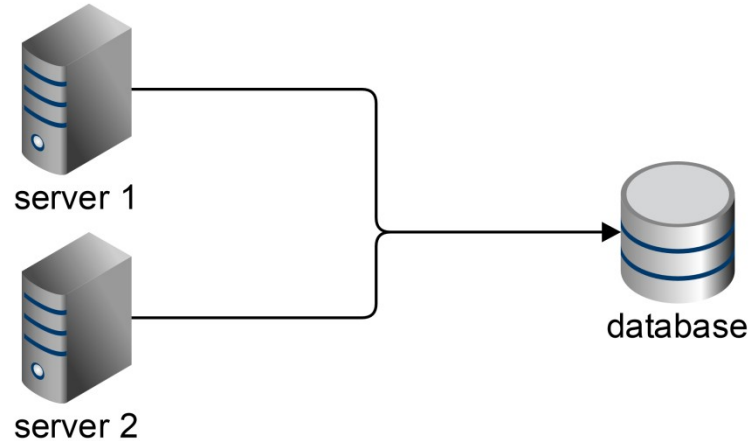






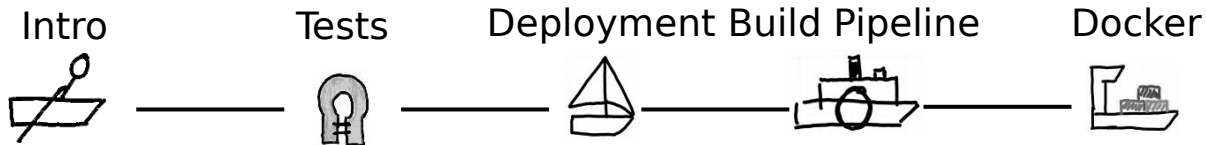
```
srv1 = docker
  .image('wildfly')
  .run("--name s1 " +
    "--link db:db")
```

```
testImg
  .inside('--link s1:s1 ' +
    '--link s2:s2')
{
  // tests
}
```



```
srv2 = docker
  .image('wildfly')
  .run("--name s2 " +
    "--link db:db")
```

```
dbContainer = docker
  .image('postgres:9.4')
  .run("--name db")
```



always stop your containers

```
try { /* ... */  
} finally {  
  con?.stop()  
}
```

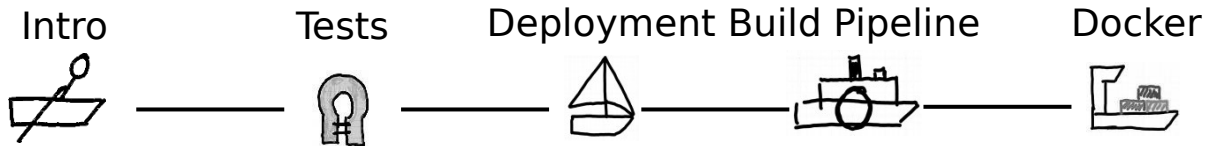
Save log files and data before stopping the container

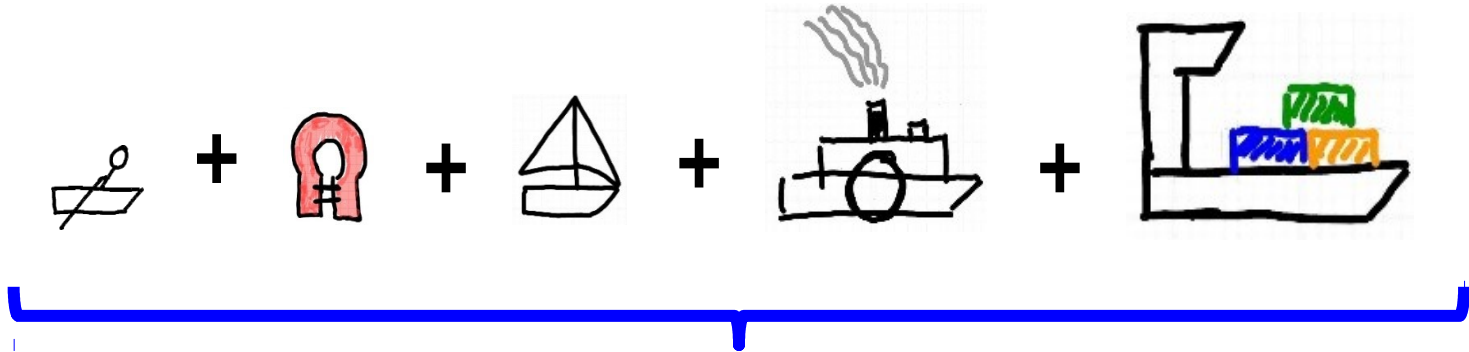


wait until the container has started

Pipelines using containers
lessons learned

Use unique names for your containers or none





Continuous delivery

**WE ARE
HIRING**

1&1

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