Apache Aurora in Action

Hands-on Introduction

@ErbStephan | Blue Yonder GmbH | 19.04.2016

Apache Aurora

https://aurora.apache.org

Mesos framework for the deployment and scaling of stateless and fault tolerant services in a datacenter

Apache Mesos

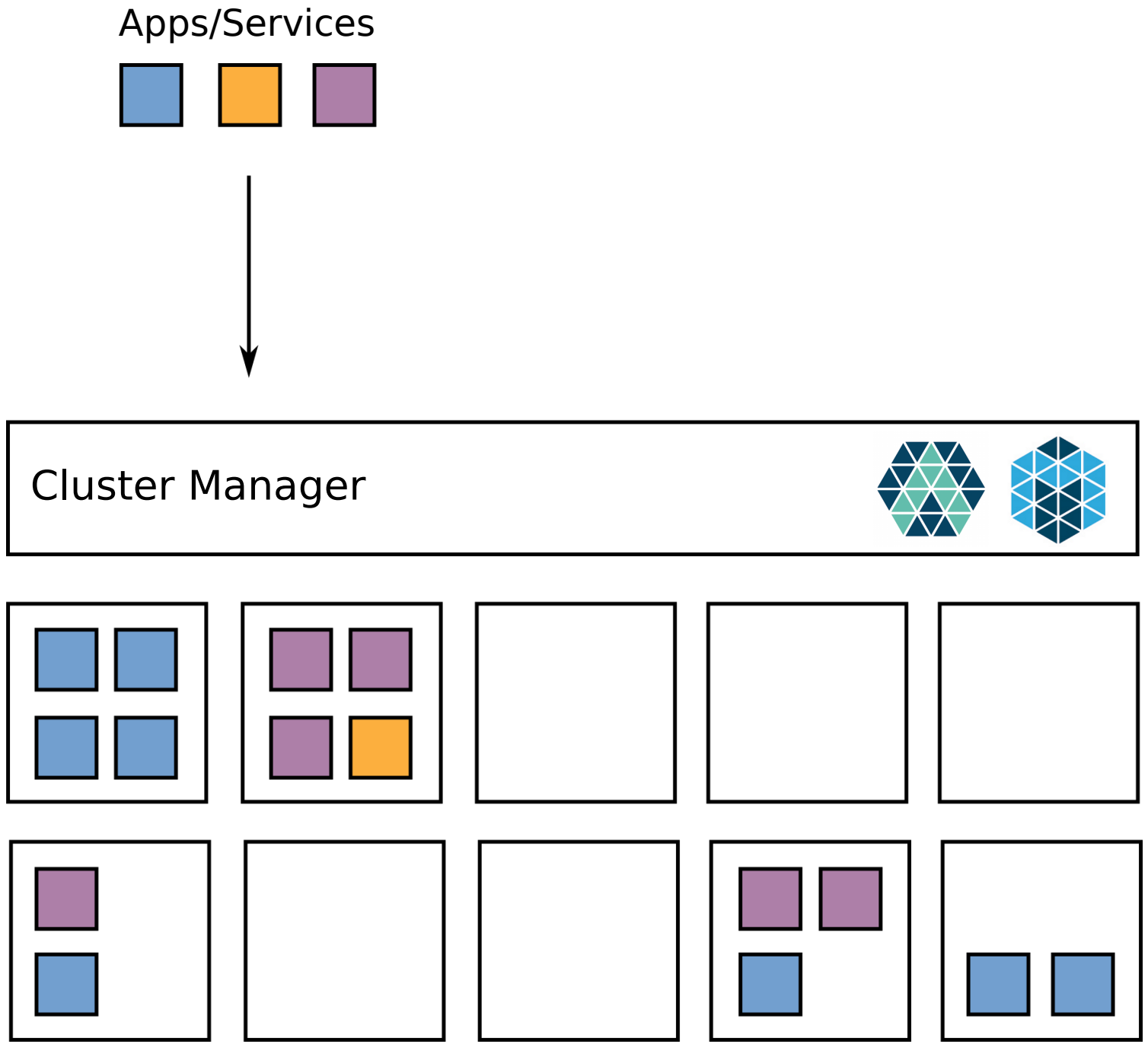
https://mesos.apache.org

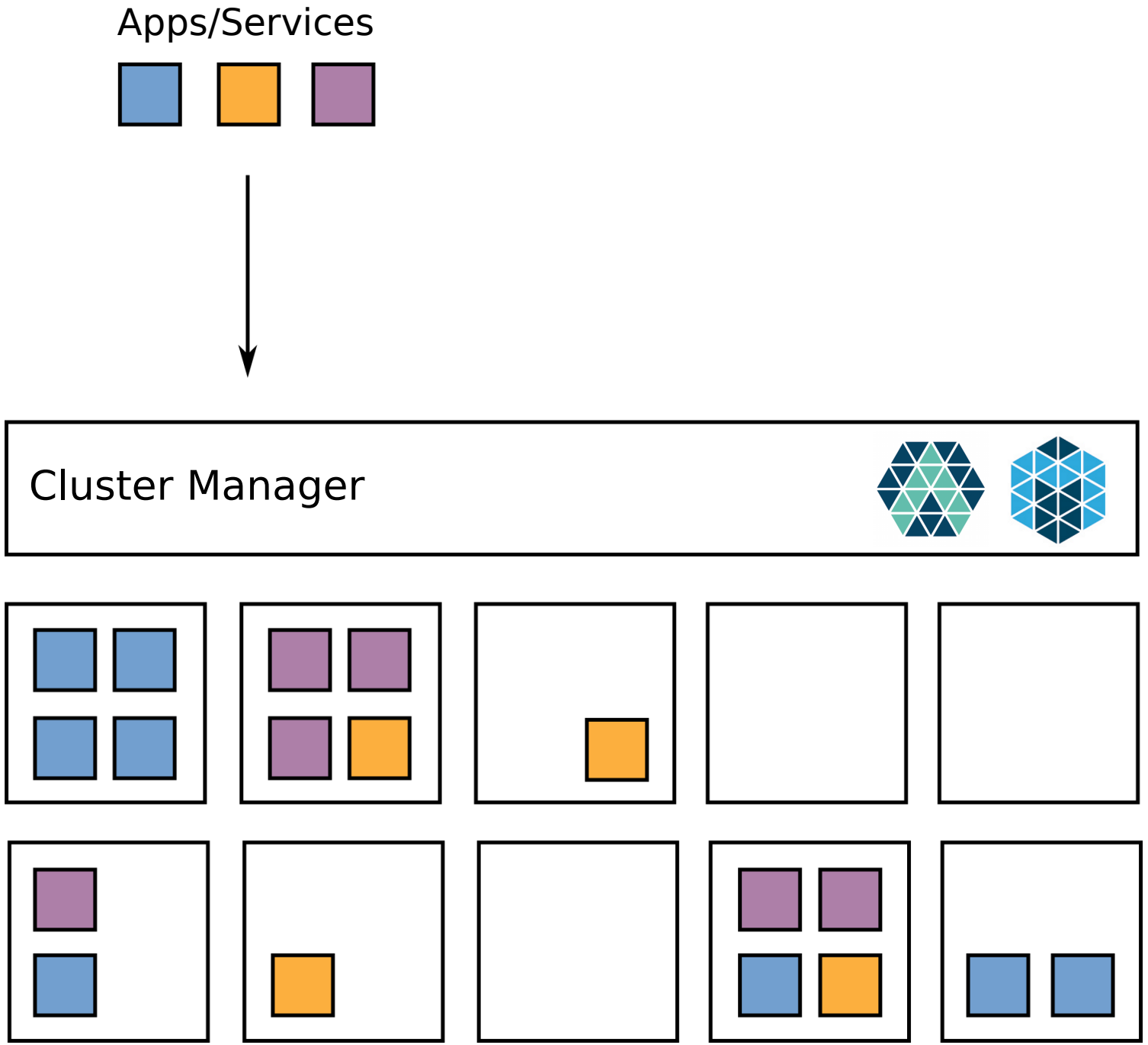
Cluster manager providing fault-tolerant, fine-grained multitenancy via containers

Apache Aurora

https://aurora.apache.org

„distributed supervisord“


Apps/Services
Cluster Manager


Apps/Services
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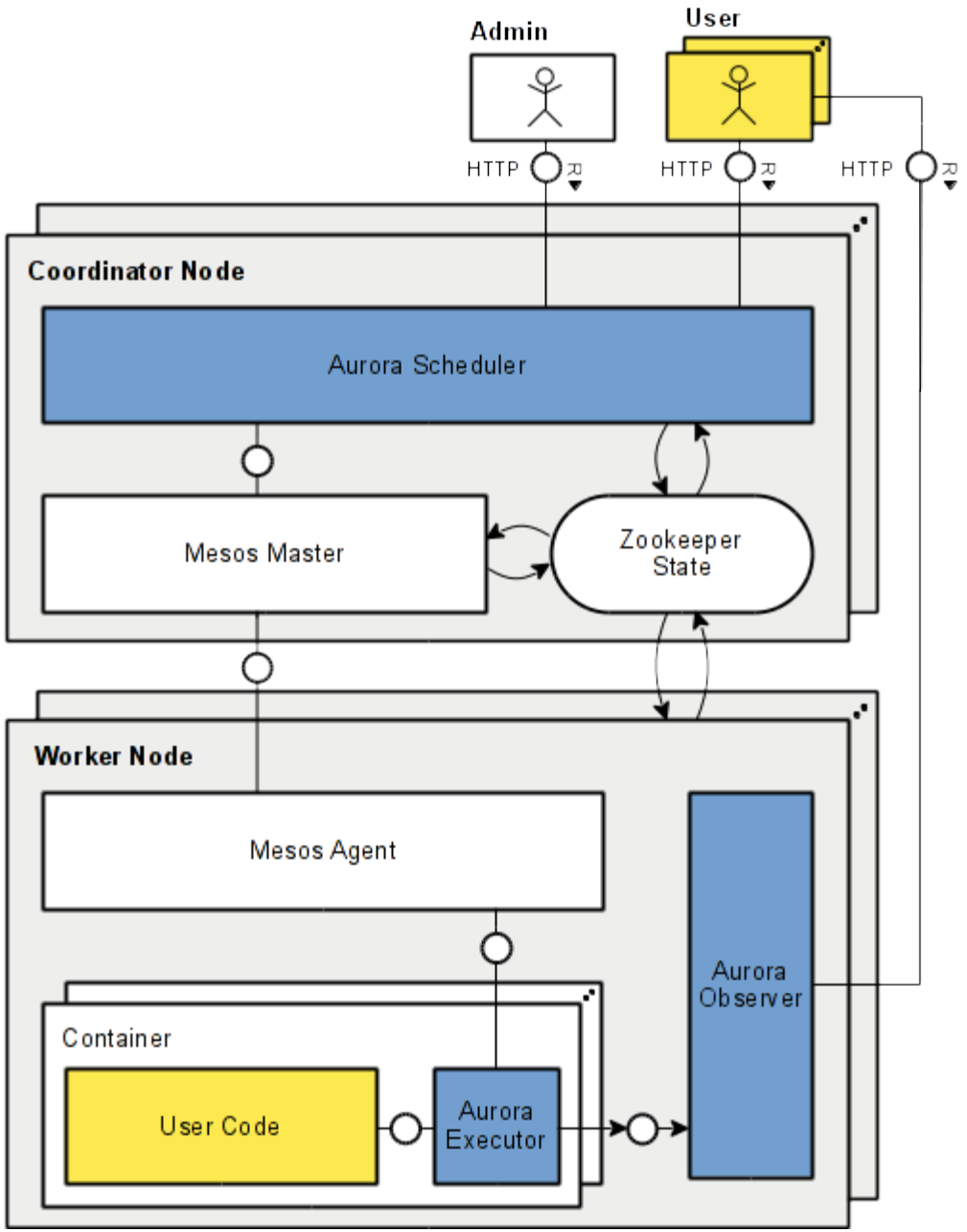
Admin
User
HTTP
HTTP
HTTP
Coordinator Node
Aurora Scheduler
Mesos Master
Zookeeper
State
Worker Node
Mesos Agent
Container
User Code
Aurora
Executor
Aurora
Observer

Jobs

- www-data/devel/toyserver

Tasks (job instances)

- www-data/devel/toyserver/0
  (www-data-devel-toyserver-0-5706d058-60c7-40ae-8115-d71206e291ed)
- www-data/devel/toyserver/1
  (www-data-devel-toyserver-1-b6f51ef0-820b-4640-8971-607b0309b246)

Processes (per task)

- install
- serve (wsgi flask app)

Questions?

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https://github.com/StephanErb/aurora-expedition

Image by Joakim Berndes

If you think of
• literature when you hear **Kafka**
• mythology when you hear **Cassandra**
• animals when you hear **Zookeeper**
… then have a nice day.
If you think of distributed systems, then join us!
www.blue-yonder.com
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