

# Annonces DockerCon 2018 - 28 June 2018, Grenoble



Michael Bright,  @mjbright Consulting

Slides & source code at <https://mjbright.github.io/Talks>

# Agenda

Tour de Table - "Connaissez-vous DockerCon?"

Schedule - Labs, Keynotes, Breakouts, Party, Hallway Tracks ...

Keynote Announcements

Breakout Sessions - the best

Cool Hacks

DockerCon Europe, 3-5 Dec, Barcelona

Michael Bright,  @mjbright Consulting

Cloud Native Solution Architect

Trainer: Kubernetes, Serverless, Docker, CloudNative

Past researcher, dev, team lead, dev advocate

British, living in France for 25-years

Docker Community Lead, Python User Group



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[github.com/mjbright](https://github.com/mjbright)

# DockerCon 2018 Schedule

|   | <br>Morning | <br>Afternoon | <br>Evening |
|---|--|--|--|
|  Additional Events |  |  |  |
|  Conference Agenda |  |  |  |
| <b>Pre Conference</b><br>Monday, June 11  | Training   |  |  |
| <b>Day 0</b><br>Tuesday, June 12  | Training   | Registration Opens &<br>Hallway Track &<br>Hands-on Labs   | Welcome Reception  |
| <b>Day 1</b><br>Wednesday, June 13  | Keynote & Breakouts  | Breakouts Sessions &<br>Networking Activities  | After Party  |
| <b>Day 2</b><br>Thursday, June 14   | Keynote & Breakouts  | Breakouts Sessions &<br>Networking Activities  |  |
| <b>Day 3</b><br>Friday, June 15   | Repeats Top Sessions   | Hallway Track &<br>Hands-on Labs   |  |



# DockerCon 2018 Schedule

| t ▾                        | Agenda ▾                                     | Spo |
|----------------------------|--|-----|
| » Agenda                   | Upstream (Moby Project) Discussions          |     |
| » Speakers                 | All week                                     |     |
| » Contribute & Collaborate | DCA exams (Docker Cert. Associate, 175 euro) |     |
| » Hands-on Labs            | Adhoc meeting groups                         |     |
| » Certification            | Paid for workshops (\$300)                   |     |
| » Hallway Track            | Various (inc. Docker Pals)                   |     |
| » Workshops                |  |     |
| » Persona Journey          |  |     |

# Preconference Training Day

2-hour workshops, \$300

Using Istio - Lee Calcote, SolarWinds

Migrating a .Net App to Docker - Steven Follis, Docker

Migrating a Java App to Docker - Sophia Parafina, Docker

Docker Storage Concepts - Derrick Miller/Dan Finneran, Docker

Networking For Swarm And Kubernetes In Docker Enterprise Edition -  
Andy Randall, Docker

Monitoring And Logging - Brian Christner, Docker

Container Troubleshooting With Sysdig - Michael Ducy, Sysdig

Secure, Automated Software Supply Chain - Andy Clemenko,  
Docker

# Day0: Training, Captains, Community Leaders ...

## Docker Captains

vdemeester 🐙 and 5 others Retweeted



**Michael Irwin** @mikesir87 · 18 Oct 2017

Captains, assemble! #dockercon #dockerselfie



3 17 42

## Community Leaders

Adrian Mouat and 1 other Retweeted



**David Friedlander** @i\_am\_davidf · Jun 13

Our #docker community leaders are just awesome! They surprised @kbajza13 with birthday flowers and a signed mug. #DockerCon



1 5 26

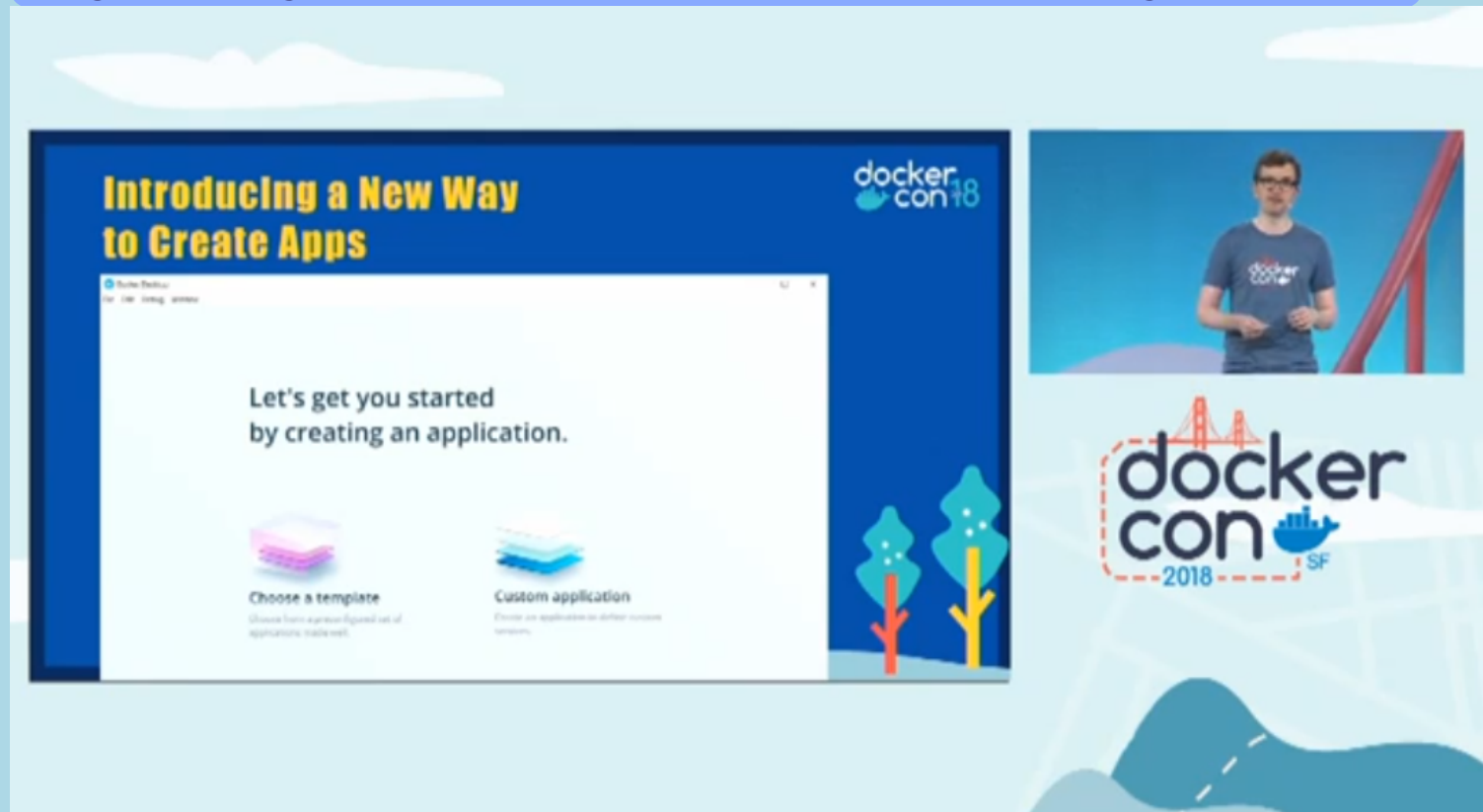
# Day1: KeyNote/Breakouts, Community Theatre

## 2hr Keynote:

The image is a composite of three elements related to Docker Con 2018:

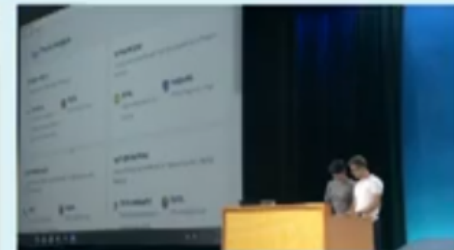
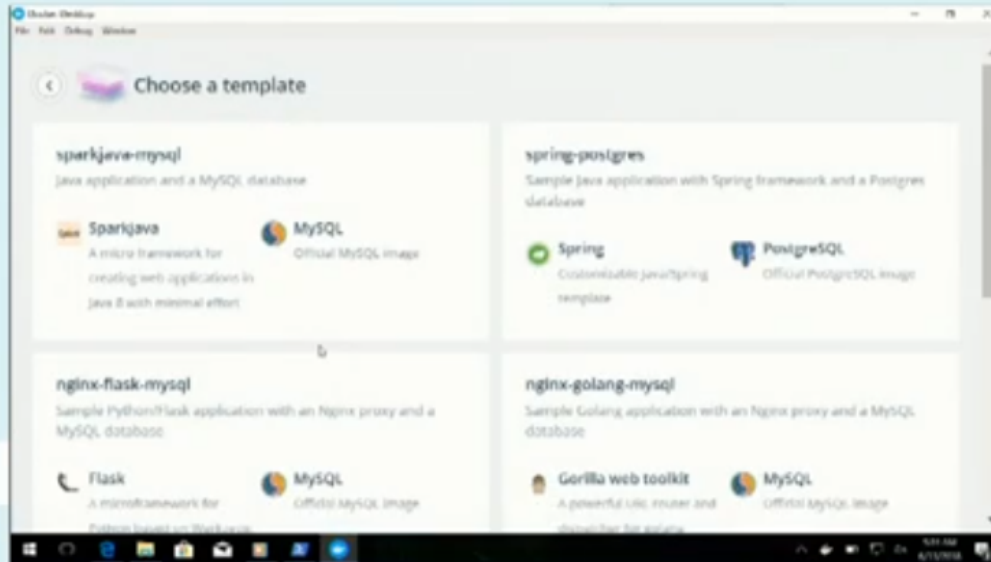
- Left Panel:** A blue presentation slide titled "Docker Today: Containers are..." in yellow text. The slide features a diagram with four diamond-shaped boxes at the bottom labeled "LINUX" (with a penguin icon), "WINDOWS" (with a Windows logo icon), "DATACENTER" (with a server rack icon), and "CLOUD" (with a cloud icon). These boxes are connected by a horizontal line. A vertical line extends from the center of this horizontal line to a circular icon above it, which contains a server rack icon. The "docker con 18" logo is in the top right corner of the slide.
- Top Right Panel:** A photograph of a man in a dark jacket standing on a stage, gesturing towards a screen.
- Bottom Right Panel:** The "docker con 2018 SF" logo, which includes a red dashed outline, a red bridge icon (resembling the Golden Gate Bridge), and the text "docker con 2018 SF".

# Day1: KeyNote/Breakouts, Community Theatre



**SIGN UP FOR Docker Desktop BETA**

# Day1: KeyNote/Breakouts, Community Theatre



# Day1: KeyNote/Breakouts, Community Theatre

## The Promise of Choice

**Any App, Any Infrastructure – One Platform** docker con 18

Traditional Microservices Edge & IoT ISV Big Data ML & AI Blockchain Serverless

**Docker Enterprise Edition**

Mainframe Cloud VM Bare Metal Edge Device

docker con 2018 SF



# Day1: KeyNote/Breakouts, Community Theatre

## Partnership



- 2014  
Beginning of Partnership
- 2016  
Windows Server Containers
- 2017  
Enterprise Edition for  
Windows Server

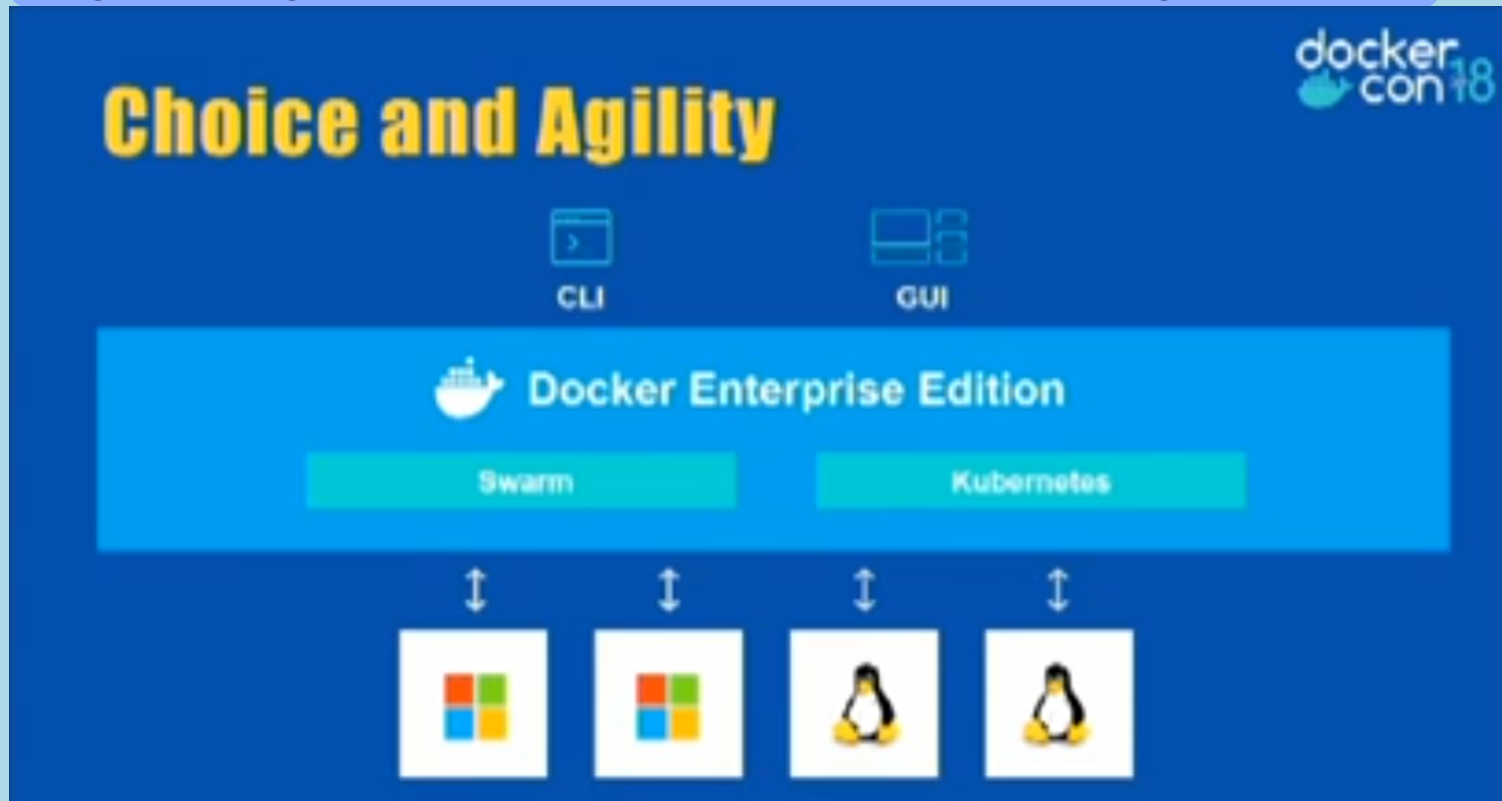
docker  
con18



docker  
con  
2018 SF



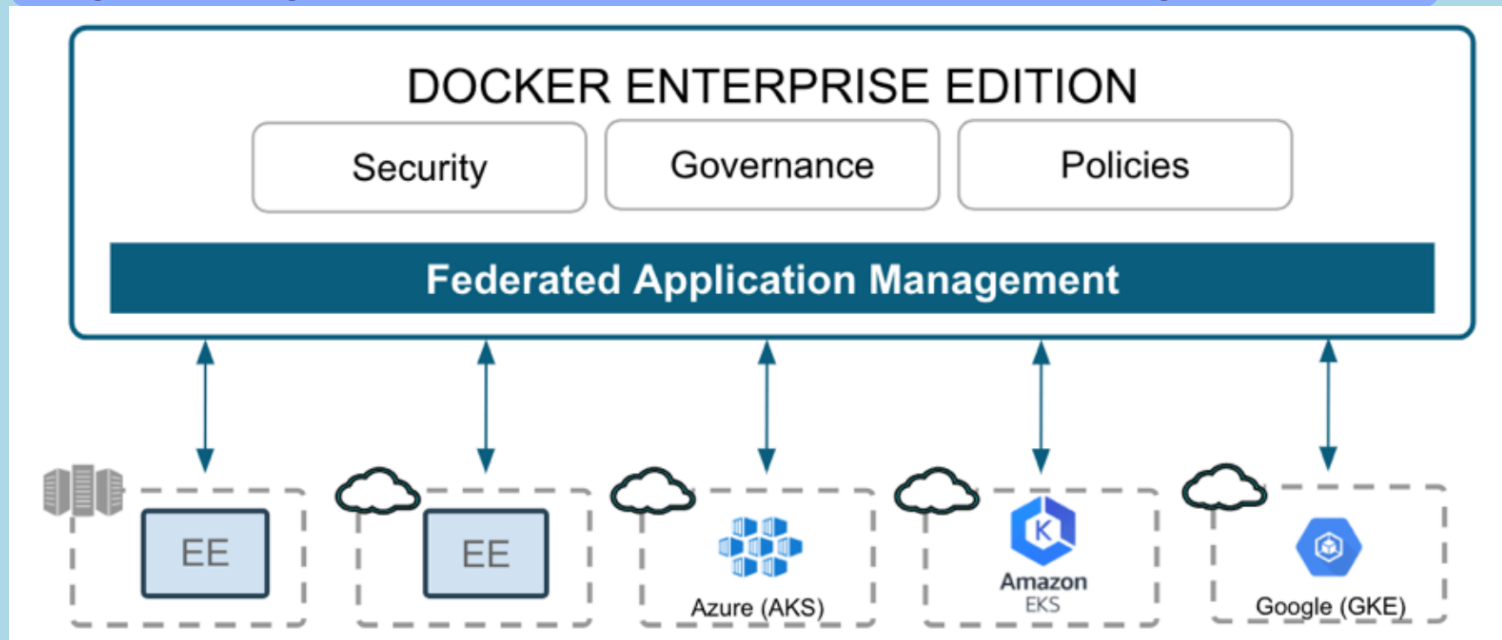
# Day1: KeyNote/Breakouts, Community Theatre



## SIGN UP FOR Docker Enterprise BETA

- Choice of app definition (k8s or compose yaml)
- Choice of Linux/Windows containers
- Choice of Swarm/Kubernetes orchestrator/cli
- Kubernetes on Docker EE/Windows Server

# Day1: KeyNote/Breakouts, Community Theatre



**SIGN UP FOR Docker Federation BETA**

**Demo : Docker EE**

Moved on-premises staging cluster to production cloud

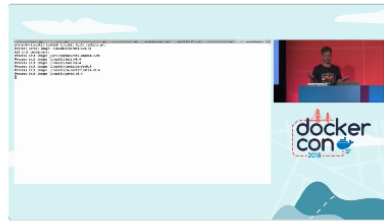
Replicated from East- to West-coast

# Day1: Breakouts

## Black Belt



Docker Platform Internals: T...



A Vision of Persistence



Istio: Managing, Securing, an...



Kubernetes Extensibility



Kubernetes with Docker



Container Orchestration fro...



Java in a World of Containers



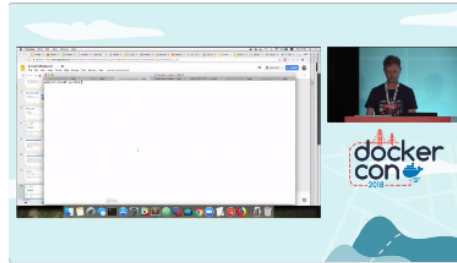
Windows Container Security

# Day1: Breakouts

## Contribute & Collaborate



Contributing 101



Docker Platform Internals SIG



Cloud Native Projects SIG Se...



Container Innovation SIG Ses...

# Day1: Breakouts

## Docker, Docker, Docker



Docker Storage: Designing a...



Networking in Docker Enterp...



Troubleshooting Tips from D...



Docker Enterprise Edition: A...



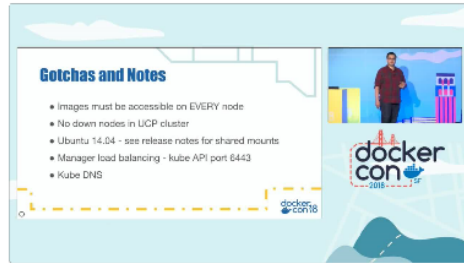
Docker for Developers on M...



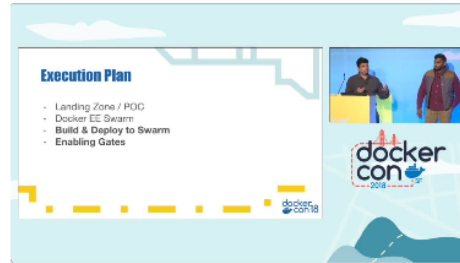
How To Build Your Container...

# Day1: Breakouts

## Docker in Production



Docker on Docker: Leveragin...



Faster, Safer and 100% User-...



Disruption from Within- Inn...



How to Accelerate Docker Ad...



All Roads Lead to the Cloud:...

# Day1: Breakouts

## Innovation



Panel Discussion - Serverless



Accessible High Performance...



Docker and IoT: Controlling “...



Democratizing Machine Lear...



Docker, Microservices, and t...



Best Practices and Standards...



Packaging Software for the D...



Accelerating Development V...



Automated Hardware Testin...

# Day1: Breakouts

## Transform



A Strong Belief, Loosely Held...



Digital Transformation with...



The Complexity to "Yes" in A...



Shaving my Head Made me a...



5 Practices for Better, Cheap...



Diversity is Not Only About E...



Building a Docker Center of...



#bigwhale: An Unexpected J...



# Day1: Breakouts

## Using Docker



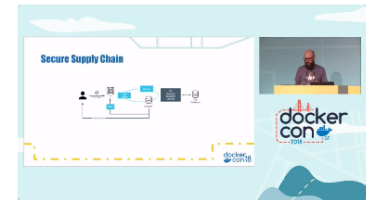
Demystifying Container Con...



Gordon's Secret Session: Ku...



Proactive Ops for Container...



Production SecOps with Kub...



Tips and Tricks of the Docker...



Don't have a Meltdown! Prac...



Message-Based Microservic...



5 Patterns for Success for Ap...



Building Your Production Tec...



Creating Effective Docker Im...

# Day1: Party !!

♥ Victor Coisne and 2 others liked

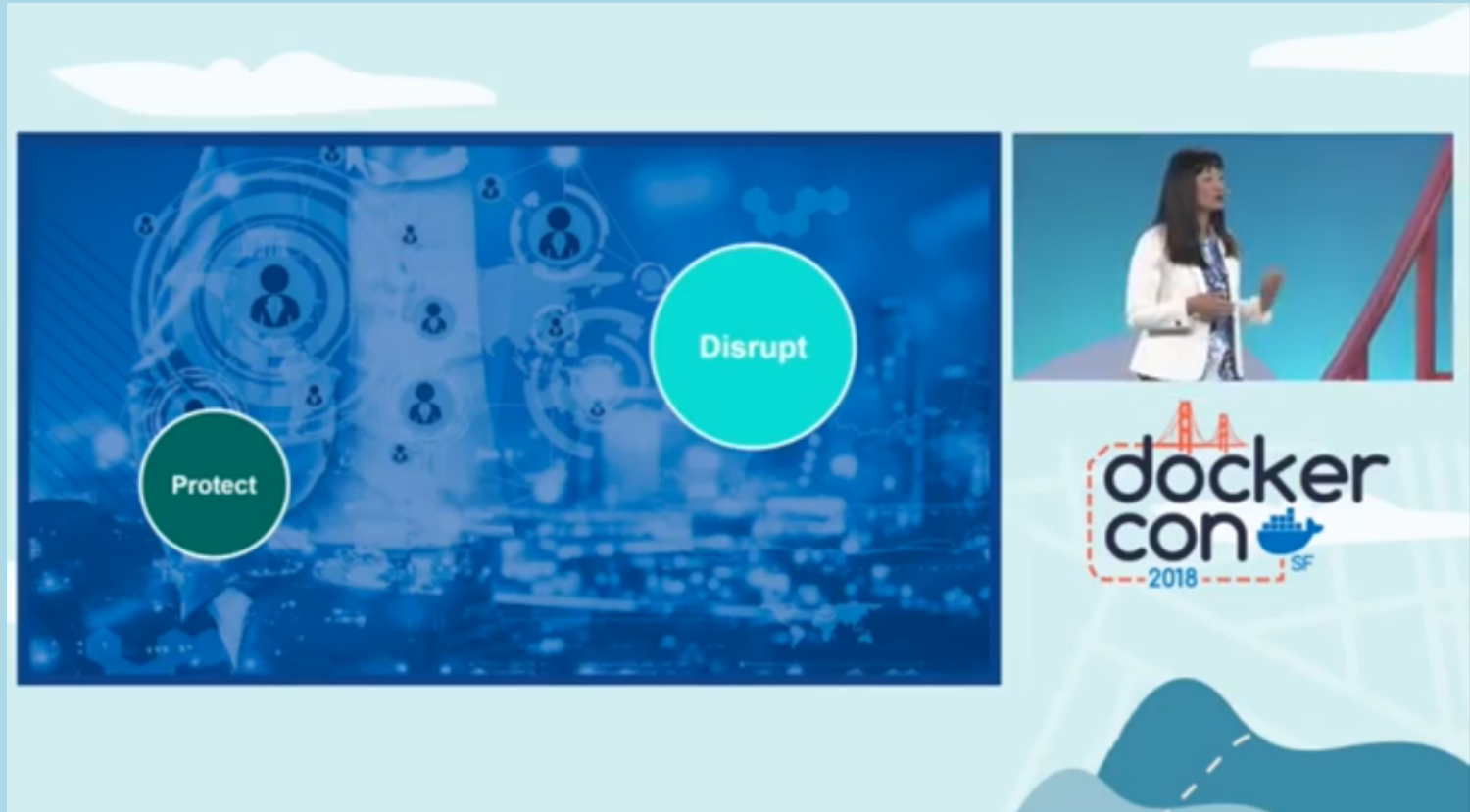


[Sam](#) @samuelkarp · Jun 13  
[#DockerCon](#) conference **party**



# Day2: KeyNote/Breakouts, Cool Hacks

1hr Keynote:



## Day2: KeyNote/Breakouts, Cool Hacks

### 1hr Keynote:



- Liberty Mutual

## Day2: Cool Hacks

### Cool Hack 1 - NASA/John Hopkins Applied Physics Lab - DART

Christopher Heistand presented how they use Docker to perform hardware testing for the DART Satellite mission. DART is an attempt to "*Save the World*" by shooting down asteroids before they can hit earth.



## Day2: Cool Hacks

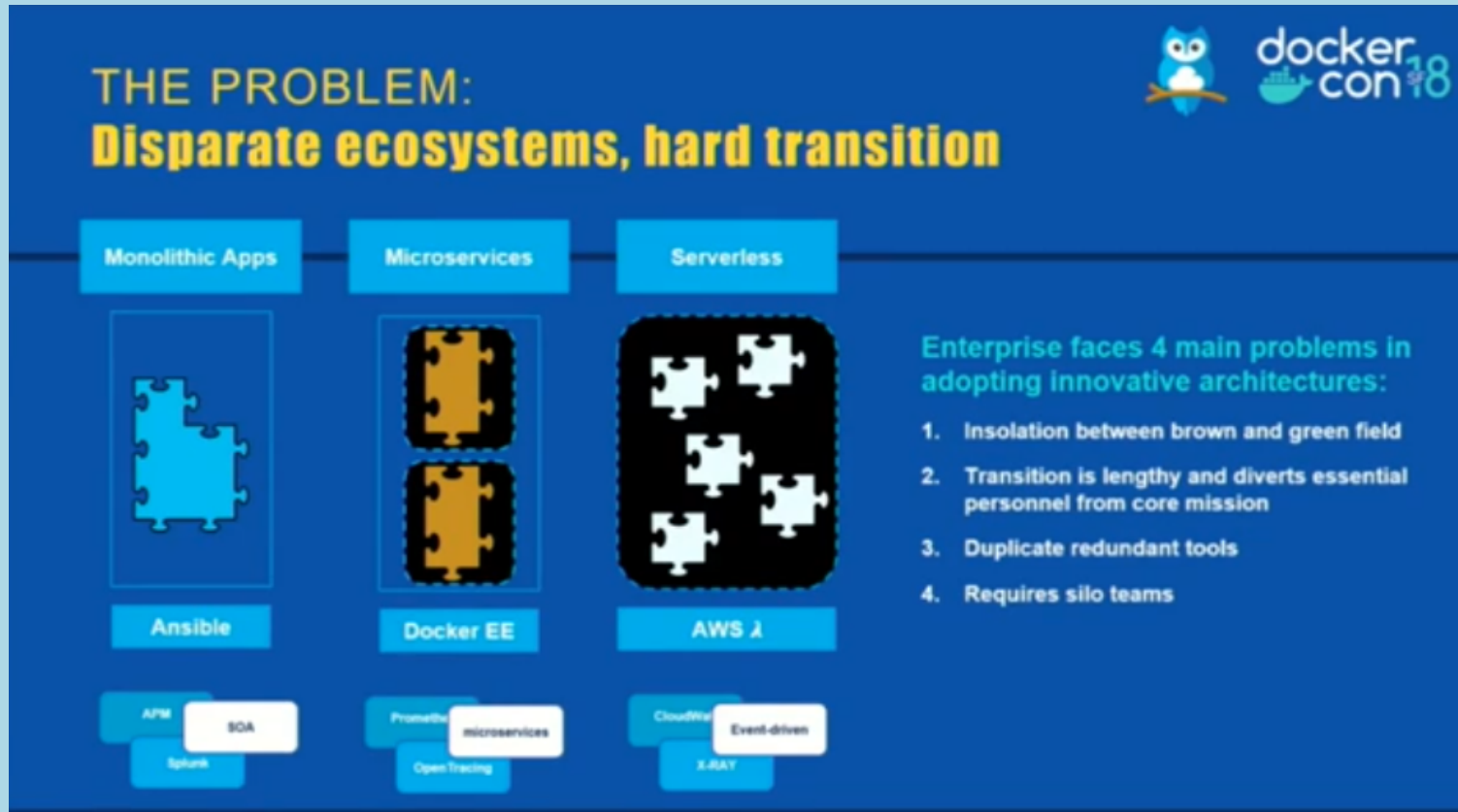
### Cool Hack 2 - Google - Machine Learning with KubeFlow





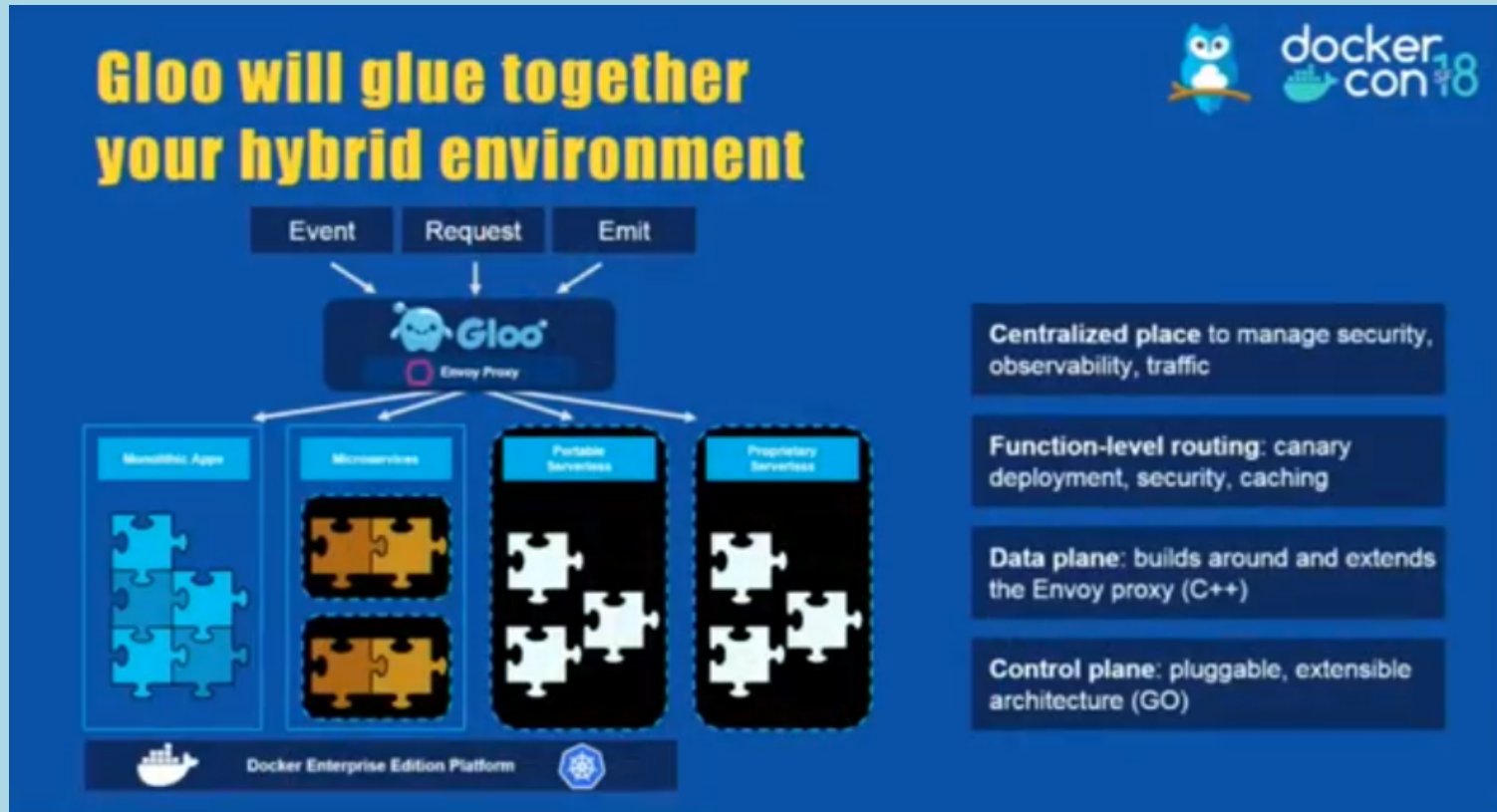
## Day2: Cool Hacks

### Cool Hack 3 - Idit Levine, Solo.io - Gloo



## Day2: Cool Hacks

### Cool Hack 3 - Idit Levine, Solo.io - Gloo





# The Top 5 Announcements

Docker debuts federated application management across hybrid/multi-cloud infrastructure

1

Kubernetes Support for Windows Server containers under Docker EE

2

Template-based workflows for Docker Desktop to extend containerization to a broader range of enterprise developers

3

Making Compose Easier with to use with the Application Packages

4

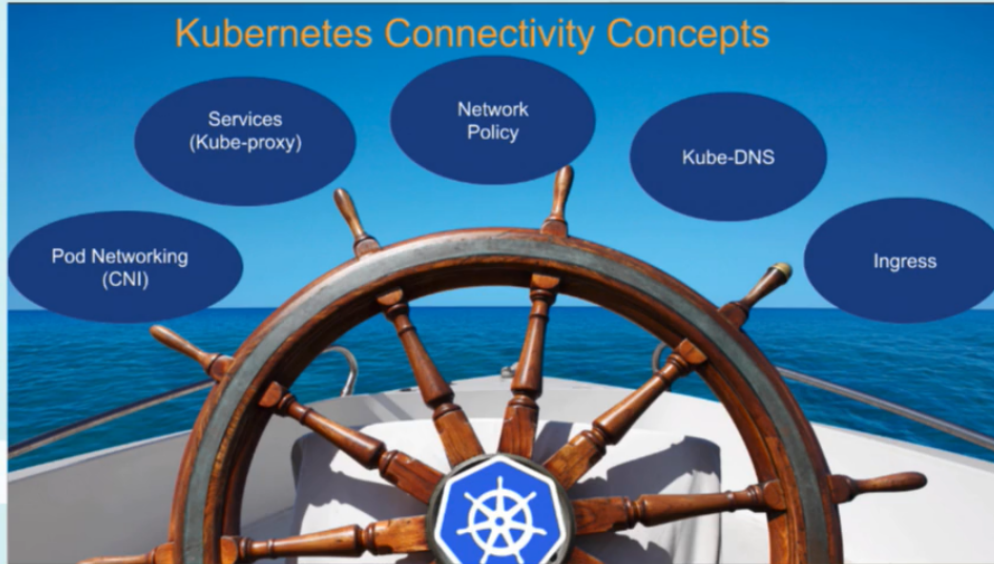
Docker, Inc identified 9 different Serverless frameworks for Docker EE, out of which 6 of them are already confirmed - OpenFaaS, nuclio, Gestalt, Riff, Fn and OpenWhisk

5

src:

<http://en.community.dell.com/techcenter/b/techcenter/archive/2018/06/26/top-5-most-exciting-dockercon-2018-announcements>

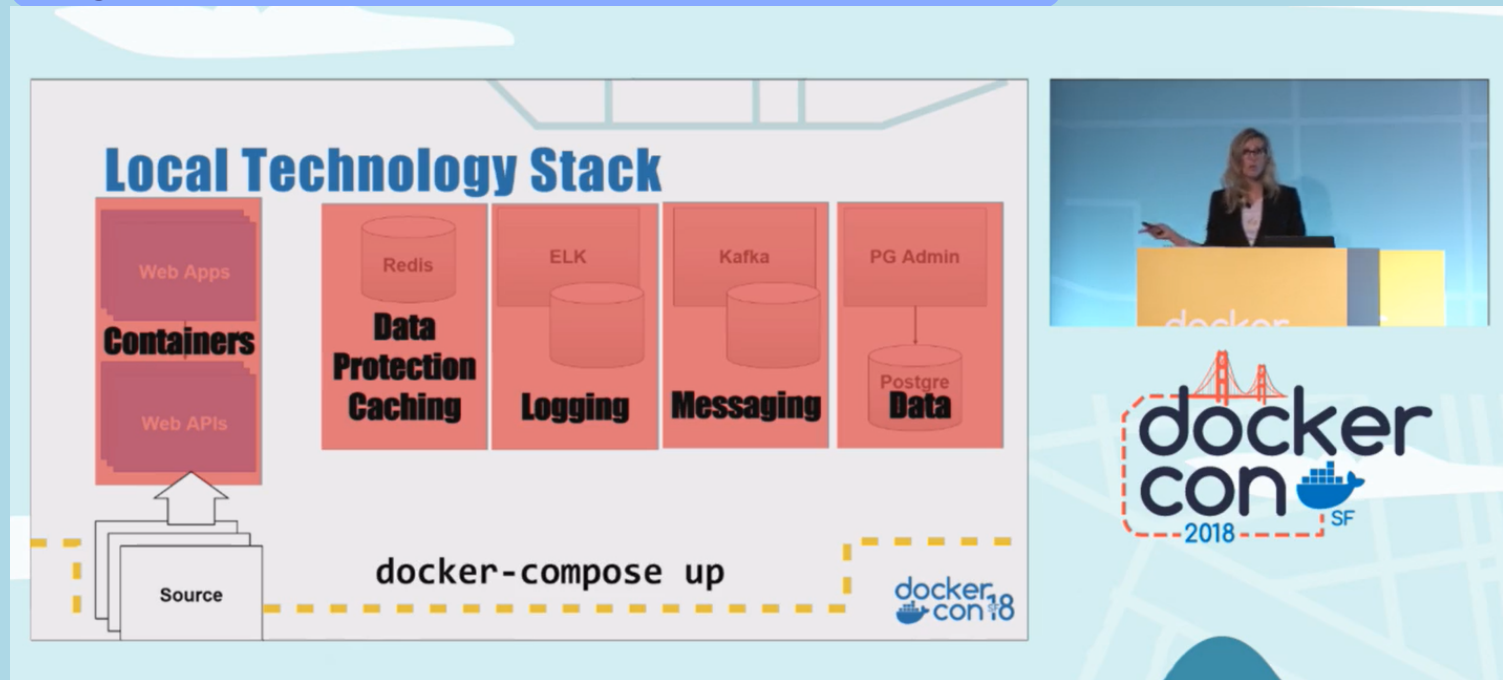
## Day3: Rerun of best presentations



"Demystifying Container Connectivity with Kubernetes in Docker"

Nicola Kabar & Karthik Prabhakar

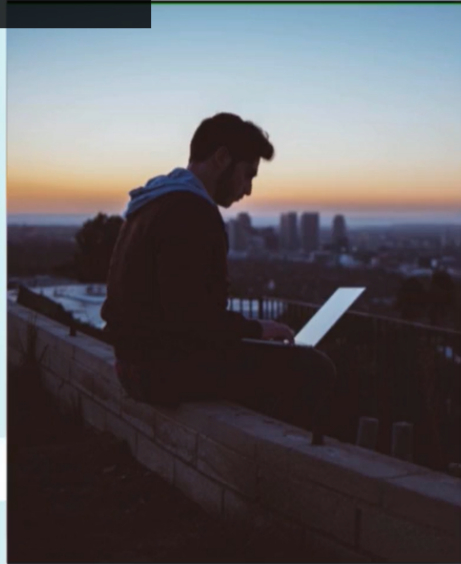
## Day3: Rerun of best presentations



"Message-Based Microservices Architectures Driven with Docker "

Michele Leroux Bustamante

## Day3: Rerun of best presentations



### Persistence Implementations

- Per container storage
- Shared storage (same host)
- Multi-Host shared storage



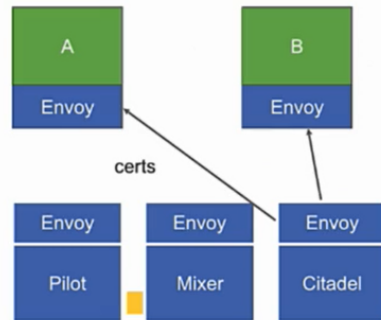
"Docker Storage: Designing a Platform for Persistent Data"

Dan Finneran

## Day3: Rerun of best presentations

### How does it work?

4. Deploy Citadel to assign identities and enable secure communication



"Istio: Managing, Securing, and Observing Microservices"

Lin Sun & Zack Butcher

## Day3: Rerun of best presentations

### Tricks of the Captains

- A hodgepodge of tricks from members of the Docker Captains Programme
- And other luminaries of microservices and containers



docker  
con18



"Tips and Tricks of the Docker Captains"

Adrian Mouat



# DockerCon Europe 2018



CCIB in Barcelona, Spain

December 3-5, 2018

Pre-Register

Early Signup Pricing: €710

# DockerCon Europe 2018



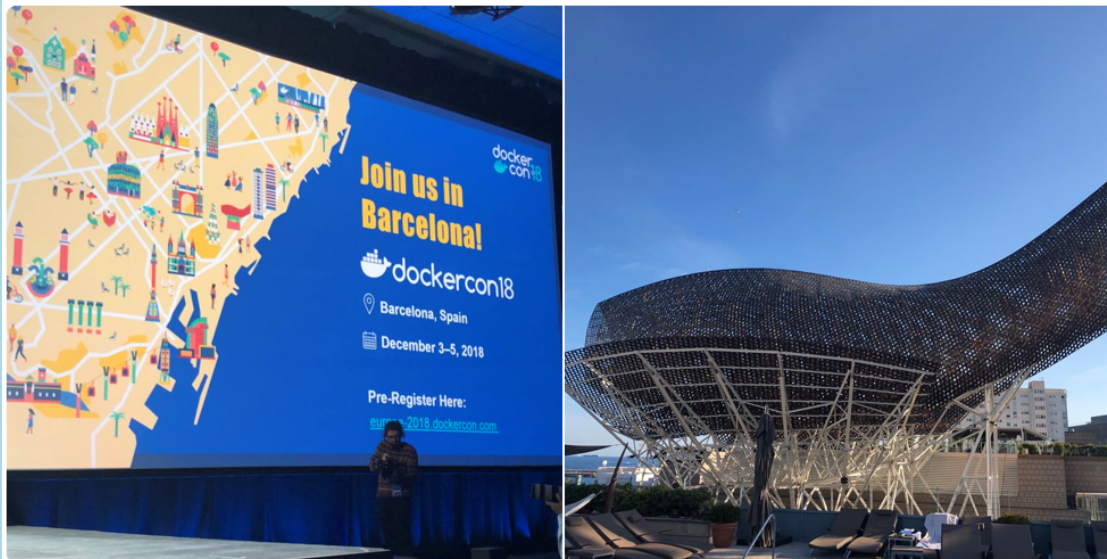
**Steve Singh** ✓

@SteveSSingh

Following



Beautiful city of Barcelona is clearly our kind of city. Look forward to seeing our customers, partners, and community at [#DockerCon](#) in December



12:59 PM - 17 Jun 2018



# DockerCon Europe 2018 Schedule



Morning



Afternoon



Evening

Pre Conference

Monday, December 3

Training starts

Registration Open

Welcome reception

Day 1

Tuesday, December 4

Keynote & Breakouts  
Sessions

Breakouts Sessions &  
Networking Activities

After Party

Day 2

Tuesday, December 5

Keynote & Breakouts  
Sessions

Breakouts Sessions &  
Networking Activities

 Additional Events

 Conference Agenda

# Resources

|   |   |
|---|---|
| The Docker Blog<br>(of course!)                           | <a href="https://blog.docker.com/">https://blog.docker.com/</a>   |
| DockerCon<br>Keynote/Cool<br>Hack Videos                  | <a href="https://www.youtube.com/watch?v=RnWXOAplvjY&amp;list=PLkA60AVN3hh96Ef6GljWoGpXPG23rN7">https://www.youtube.com/watch?v=RnWXOAplvjY&amp;list=PLkA60AVN3hh96Ef6GljWoGpXPG23rN7</a>   |
| DockerCon<br>Breakout<br>Session Videos                   | <a href="https://dockercon2018.hubs.vidyard.com/">https://dockercon2018.hubs.vidyard.com/</a>   |
| Top 5 Most<br>Exciting<br>Dockercon 2018<br>Announcements | <a href="http://en.community.dell.com/techcenter/b/techcenter/archive/2018/005-most-exciting-dockercon-2018-announcements">http://en.community.dell.com/techcenter/b/techcenter/archive/2018/005-most-exciting-dockercon-2018-announcements</a> |
| A Look Back at<br>DockerCon San<br>Francisco              | <a href="http://56k.cloud/blog/a-look-back-at-dockercon-san-francisco/">http://56k.cloud/blog/a-look-back-at-dockercon-san-francisco/</a>   |

# Merci ! - Questions ?



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