

Sample Proposals for DockerCon

Black Belt Talk

Black Belt talks are presented by container Ninjas. Attendees of this track are looking for advanced technical deep dives they haven't seen before. These sessions are code and demo heavy and light on the slides – show, don't tell.

A descriptive title tells attendees what your talk is about.

The abstract lets attendees know the topics that the talk will cover. Use bullet points to highlight specific details.

The outline describes the flow of the talk and key points.

It's important that attendees leave your session with clear takeaways. List what attendees will learn from the talk including examples or GitHub repositories.

Title: Kernel load-balancing for Docker containers using IPVS

Abstract: Many companies use expensive proprietary hardware and software to provide load-balancing and routing for their users and services. I'm going to demonstrate how the same feature set can be achieved or even exceed current performance using an open-source technology, which has been a part of the mainline Linux kernel for over a decade – IPVS. Specifically, you'll see how IPVS can be used to automatically configure load balancing and routing for Docker containers using a simple Go daemon and a Docker plugin.

Outline: Specifically, you'll see how IPVS can be used to automatically configure load balancing and routing for Docker containers using a simple Go daemon and a Docker plugin.

Key Takeaways:

- Attendees will have full unrestricted access to all the code I'm going to write and open-source for the talk, specifically:
 - IPVS REST API Go-based daemon
 - Docker plugin
- Learn about IPVS kernel technology, it's use-cases, performance and feature-set.
- Learn how to set up production-class high-performance load balancing and routing for their docker-based infrastructure
- <http://github.com/blackbelt/examples>

Use Case Sessions

Use case talks are about practical applications of Docker. Attendees are looking for solutions and your experience implementing Docker. Use case sessions are heavy on technical detail and implementation advice. Make sure your company is ok with you sharing some of your infrastructure setup details.

The title states the topic and references a well known brand.

The abstract builds from the description and adds details of implementation decisions that attendees can take away.

The outline describes the flow of the talk with added details from examples.

Attendees will learn about components and the process of integrating them into a system.

Title: Enabling Microservices @ Orbitz

Abstract: In this talk we will discuss how we enabled decomposition of one of our 250+ system components into a continuously deployed microservice cluster. This talk includes building a standardized Docker server composed of various local companion services alongside the Docker daemon including:

- dynamic service discovery via Consul,
- a log relay to a centralized Elasticsearch cluster,
- forwarding/batching of Dropwizard metrics to Graphite.

Outline: We will cover our Jenkins driven automated pipeline for building Docker images and rolling deployments via Ansible using static placement on existing infrastructure while prototyping dynamic placement using Docker + Apache Mesos.

Key Takeaways:

- How to build a standardized Docker server using Jenkins.
- How to use Ansible to deploy containers
- Implement orchestration using Docker and Apache mesos

Wildcard Talk

Anything goes in wildcard as long as it's Docker related. Culture, community, tech trends, business or innovative talks are a perfect fit for the wildcard track. Wildcard talks are all about informing, inspiring and delighting attendees.

The title stands out by taking a different spin on an everyday activity.

The abstract defines the problem and expands on the title giving the attendee a preview of what the talk is about.

The outline describes the content of the talk and provides additional details.

Attendees are introduced to new concepts and how to apply them in practical situations.

Title: How to talk to humans: a different approach to soft skills

Abstract: Developers are trained to communicate to things with a goal in mind. When you're talking to a computer, you type in your code and it responds by giving you back what you want. Simple and straightforward. When talking to people? Not always the case. Why? Because talking to people requires a special set of skills - namely, empathy and a little bit of storytelling. In an industry filled with brilliant minds, great ideas and mass disruption, so few of the best and brightest know how to tell their compelling story. This talk teaches you how.

Outline: The style of communication that developers use isn't always the best way to tell their story. Communicating with other people requires empathy and framing the discussion to make it easier for other people to understand. This talk will review communication styles, understanding the role of empathy and how to tell a compelling story.

Key Takeaways:

- Understanding different styles of communication
- Framing the narrative to specific audience
- How tell a compelling story

Accompanying Video Samples

Have a video of a talk you've given? Please include a link to it when submitting a proposal. This is very helpful to the Community Review Committee (CRC).

If you don't have video of a previous speaking engagement to include, you always have the option of creating a short recording so the CRC can get a sense of your presentation style. Don't worry about recording quality—how you say it is what matters. Bonus points for creativity!