



**KubeCon**



**CloudNativeCon**

**Europe 2019**



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Europe 2019

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# Writing kubectl Plugins

## Develop, Package and Distribute

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# Outline



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- What are kubectl plugins?
- Why you should use kubectl plugins?
- How to develop kubectl plugins?
  - demo!
- How do kubectl plugins work?
- Best practices for writing kubectl plugins
- Plugin manager for kubectl plugins
  - demo!
- Packaging and distributing a plugin
  - demo!
- How you can participate

# Kubernetes



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An abstraction layer for cloud  
infrastructure

A framework for declarative APIs  
and distributed control



**Infrastructure  
extensibility**

**API extensibility**

# What?



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An **extension mechanism** that lets you write  
**your own kubectl subcommands**



# Join us for a deep dive on plugins



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<https://sched.co/MPa2>