



# KubeCon

— North America 2017 —

## Watch This!

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# Kubernetes, on my ARM! ;)



# Cluster Setup

- kubeadm created cluster
  - 2 nodes, running in VirtualBox VMs on my laptop
- weave used for networking (has ARM binaries)
- on watch, kubeadm joined to the above cluster
  - can also run kubectl commands via ssh on watches

# DEMO TIME

- Live demo
  - kubeadm join to the cluster
  - kubectl create a hello-world pod

# Running a custom version of AsteroidOS

- AsteroidOS: open-source operating system for smart watches
  - <https://asteroidos.org/>
    - <https://asteroidos.org/install/> list of watches it runs on
  - Project uses OpenEmbedded / Yocto recipes
    - [https://www.openembedded.org/wiki/Main\\_Page](https://www.openembedded.org/wiki/Main_Page)
    - <https://www.yoctoproject.org/>

# Watch Details

- LG G Watch Urbane product page
  - <http://www.lg.com/us/smart-watches/lg-W150-lg-watch-urbane>
- Watch Specs
  - Processor: 4 Core ARM; Qualcomm Snapdragon 400, 1.2GHz
  - RAM: 512 MB
  - Storage: 4GB eMMC
- AsteroidOS page for this watch
  - <https://asteroidos.org/install/bass/>

# Thanks for listening!!!

- Rippy contact info
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  - **Kubecon:** Want to chat? Catch me at the NetApp booth or around the conference.