



Kubers



# Outline

Teammates

Overview

Demo topology

Next steps

# Teammates

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# Overview

## Motivation

- Traffic loss during key components upgrade
- Trivial and tedious work for version control
- No friendly dashboard

## Solution

- Warm restart of control plane
- Docker upgrade and rollback
- Managed by Kubernetes

# DEMO TOPOLOGY

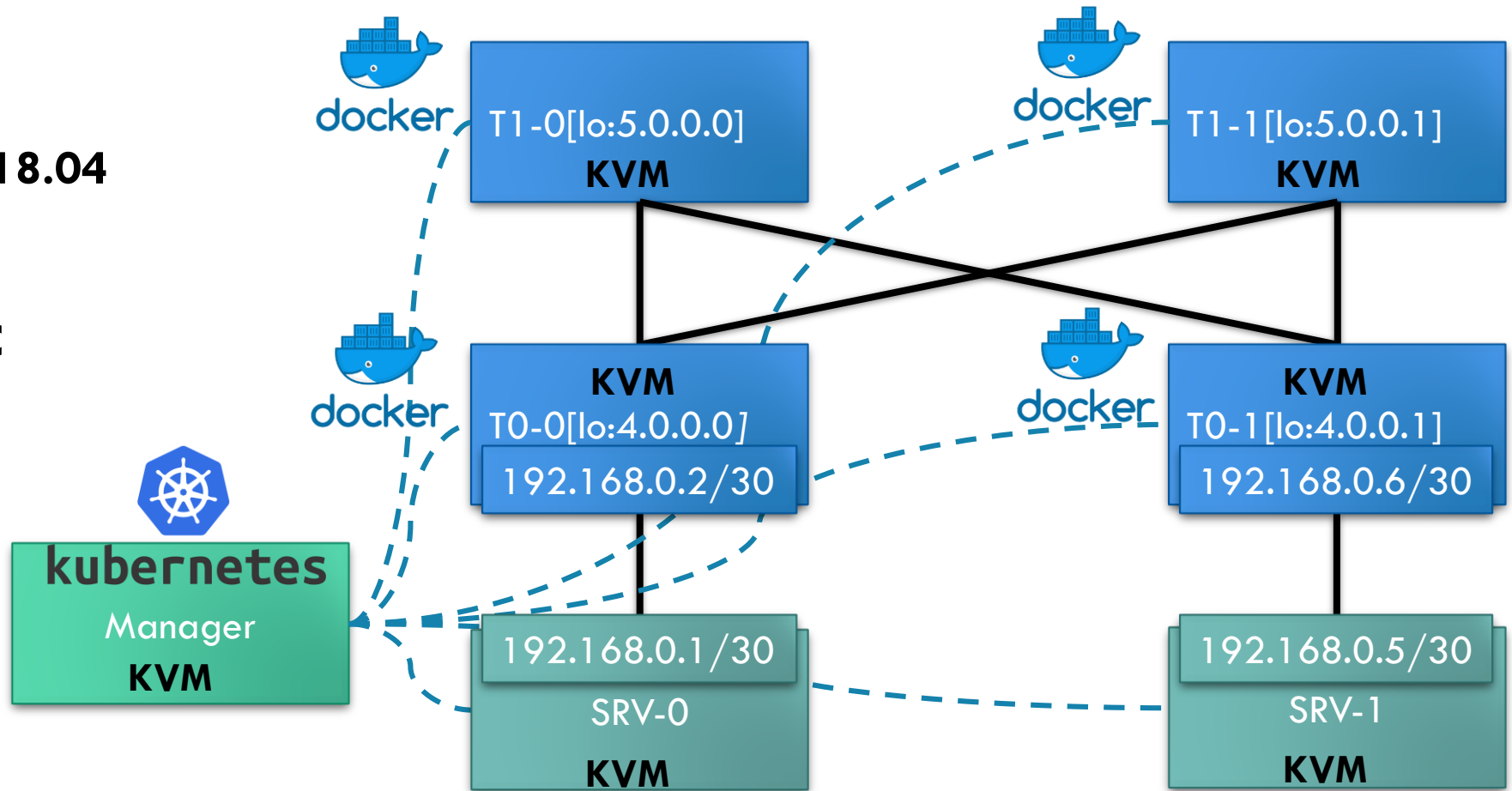
Cloud: **Azure**

Host OS: **Ubuntu 18.04**

Emulator: **KVM**

Switch OS: **SONiC**

**Dockers** in SONiC



Traffic is running SRV0 <-> SRV1



Demo

# Next steps

Kubernetes to  
manage all  
dockers on SONiC

Upgrade at scale  
and health check  
+ roll-back

Monitoring tools  
integration