

# A Tour of OpenStack Deployment Scenarios

FOSSCON 2016

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# Elizabeth K. Joseph

- Senior Automation & Tools Engineer at HPE
- Joined the OpenStack Infrastructure Team in 2013, core and root member
- Author of Common OpenStack Deployments, published by Prentice Hall, September 2016

# OpenStack

- Founded in 2010
- Open Source cloud, written in Python
- Vast marketplace of supportive companies in the ecosystem:  
<https://www.openstack.org/marketplace/>

# OpenStack can build clouds that:

- Offer compute power
- Handle storage (object, block)
- Orchestrate bare metal systems

...

And more each release

# Private Compute Cloud with Nova

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# Spinning up an instance (demo)

# Public Compute Cloud with Ceilometer

# Polling service data (demo)

# Block Storage Cloud with Cinder

# Add block storage (demo)

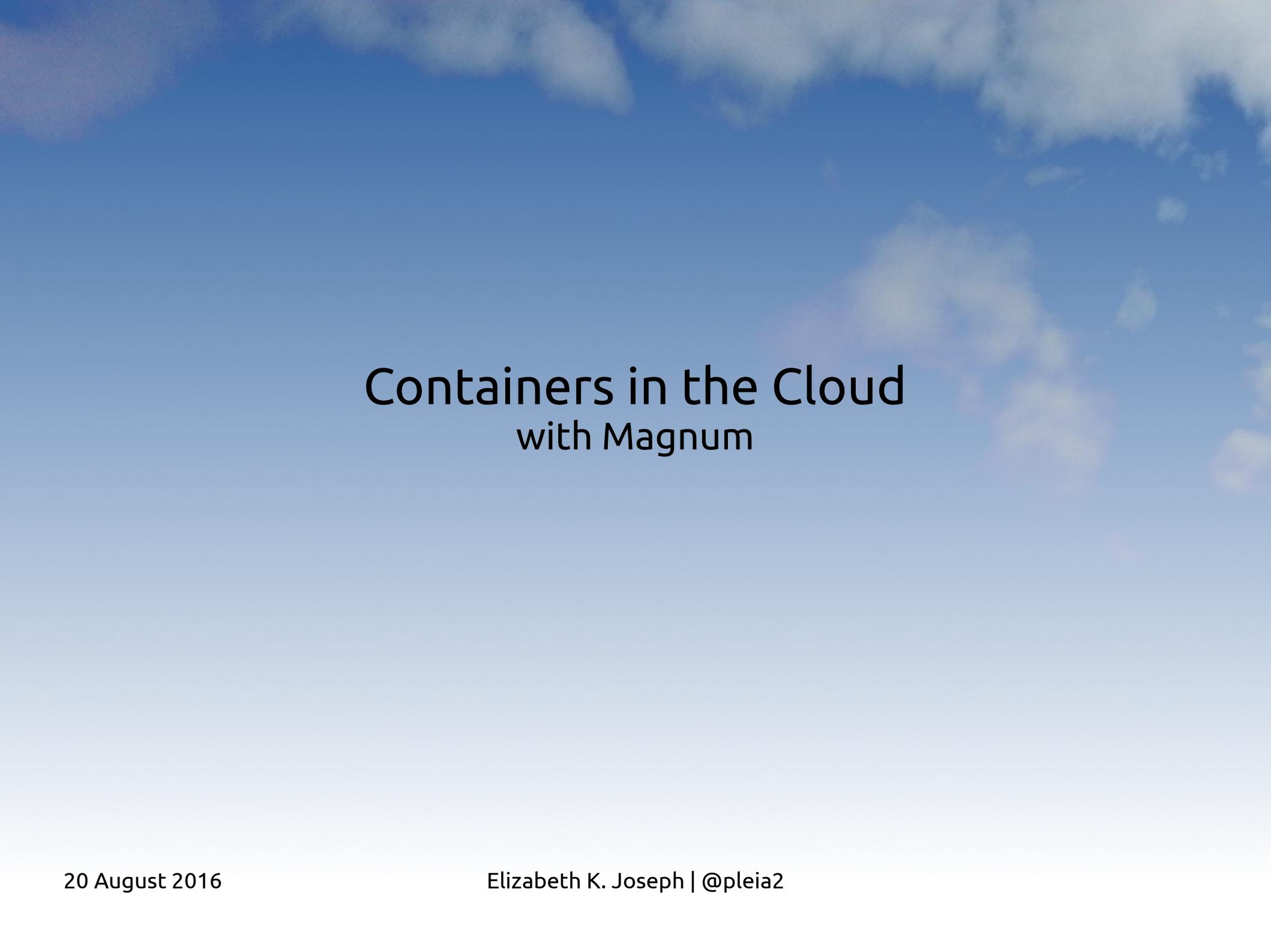
# Object Storage Cloud with Swift

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# Add object storage (demo)

# Bare metal “Cloud” with Ironic



# Containers in the Cloud with Magnum

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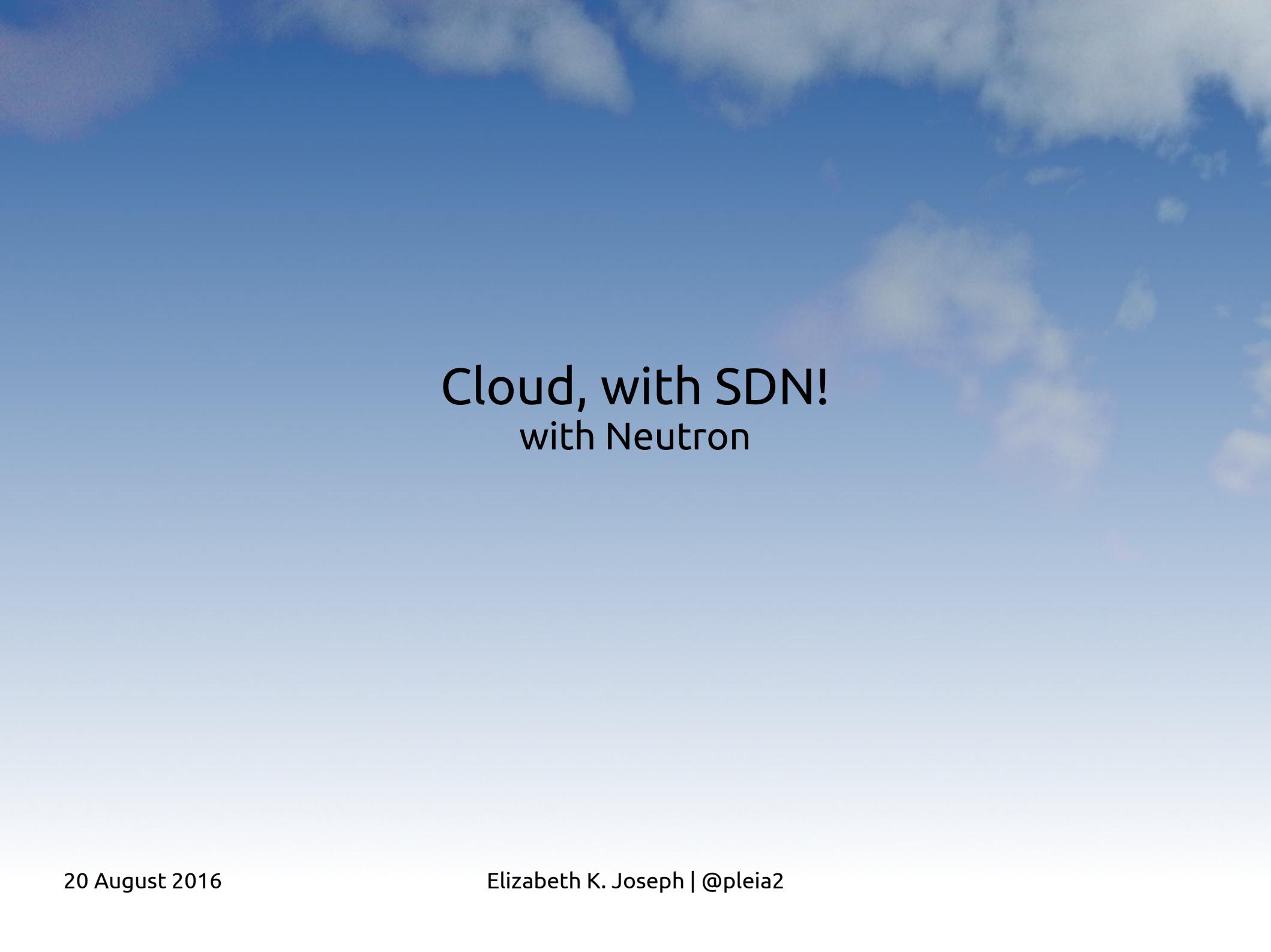
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The background of the slide features a photograph of a clear blue sky with scattered white and light blue clouds, occupying the top two-thirds of the frame.

# Database Cloud with Trove

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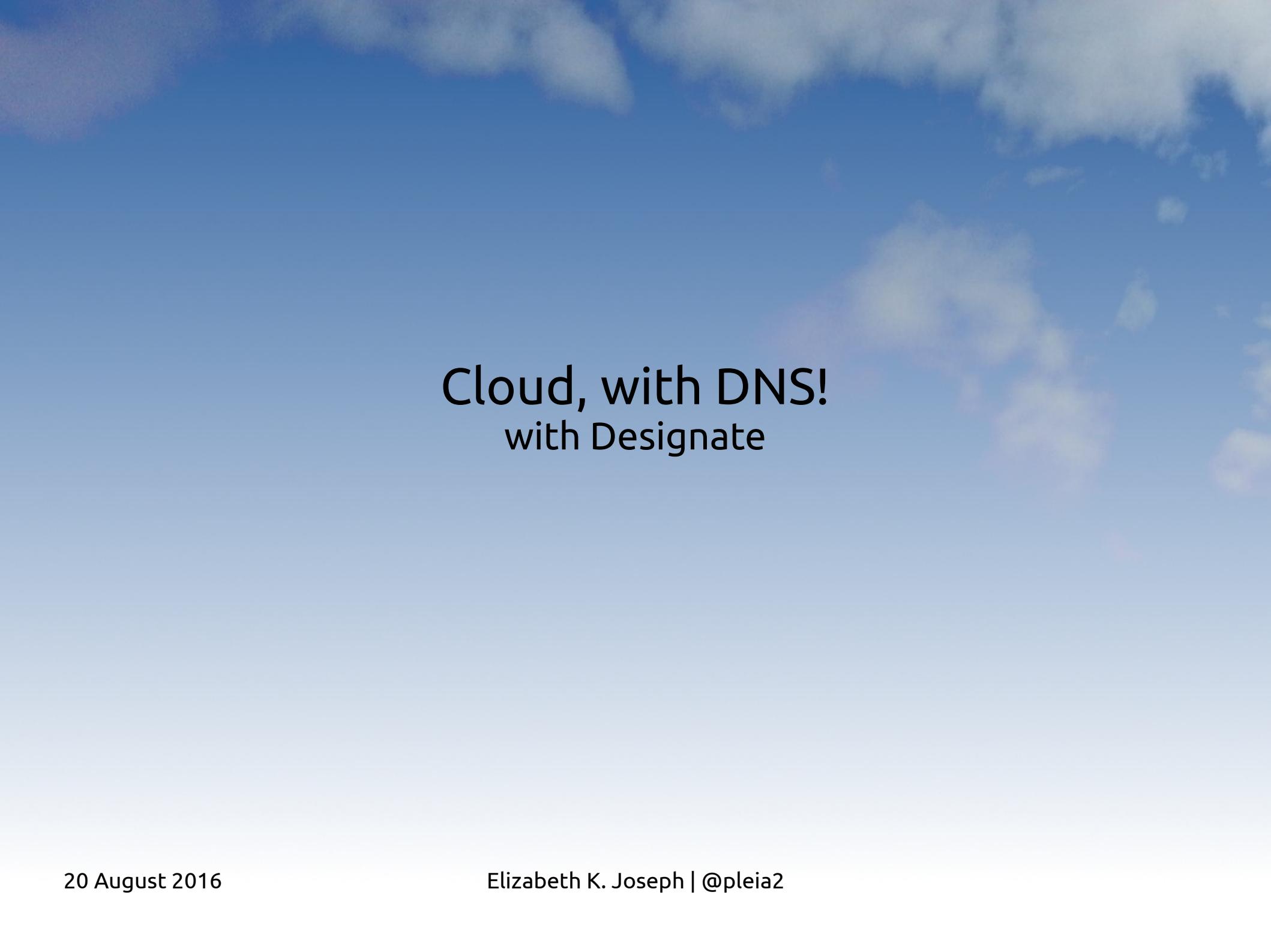
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The background of the slide is a photograph of a clear blue sky with scattered white and light grey clouds.

# Cloud, with SDN! with Neutron

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# Cloud, with DNS! with Designate

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# More OpenStack Services

Project Navigator:

<https://www.openstack.org/software/project-navigator/>

OpenStack Project Teams:

<http://governance.openstack.org/reference/projects/>

# Vendor Support and Hybrid Clouds

# Questions?

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Try demos at home/office, see:

<http://princessleia.com/presentations/fosscon2016.txt>

Common OpenStack Deployments

<http://deploymentsbook.com/>

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