MANAGING
DISTRIBUTED
SYSTEMS
USING
BOSH

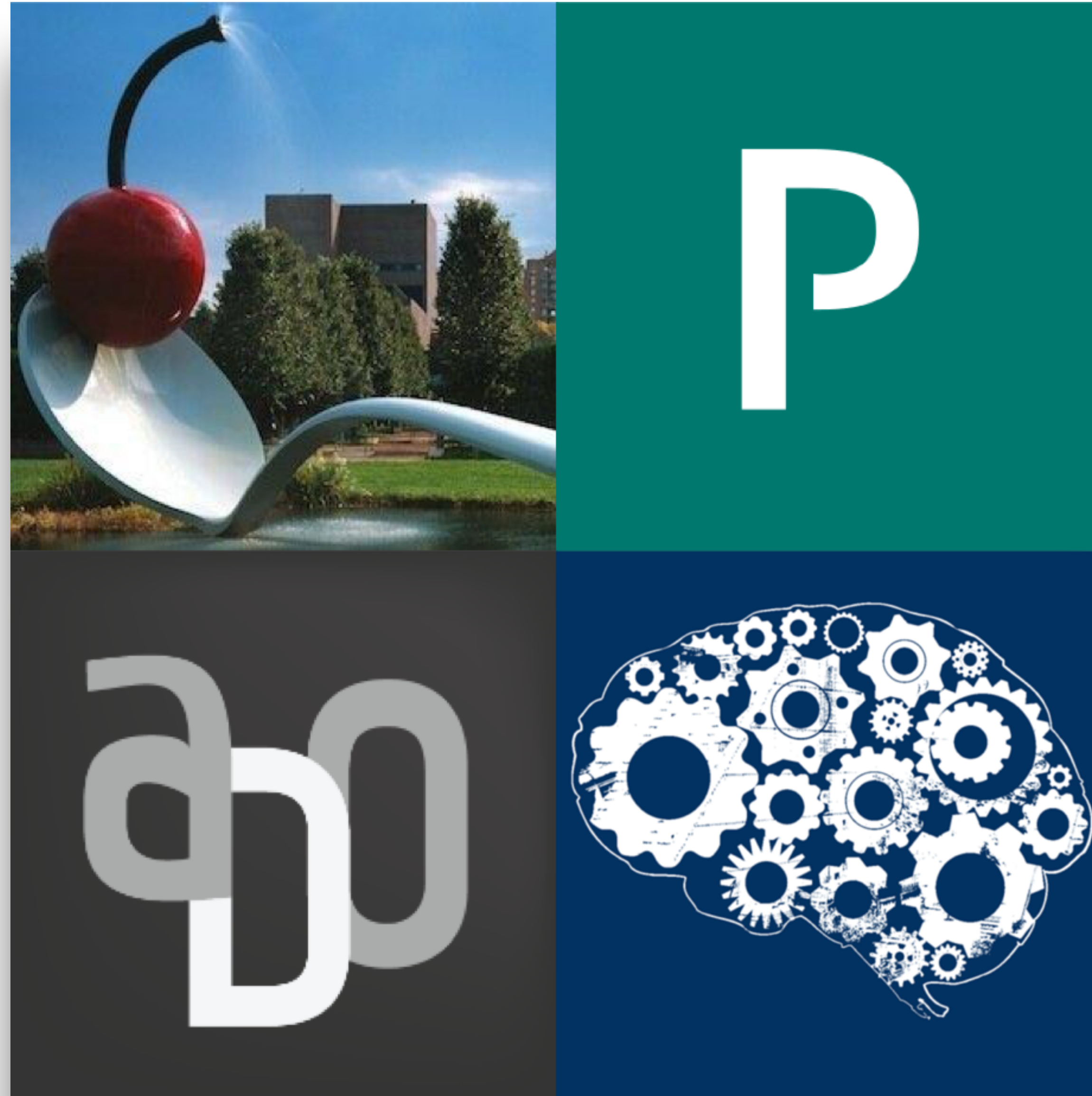https://github.com/bridgetkromhout/bosh-tutorial

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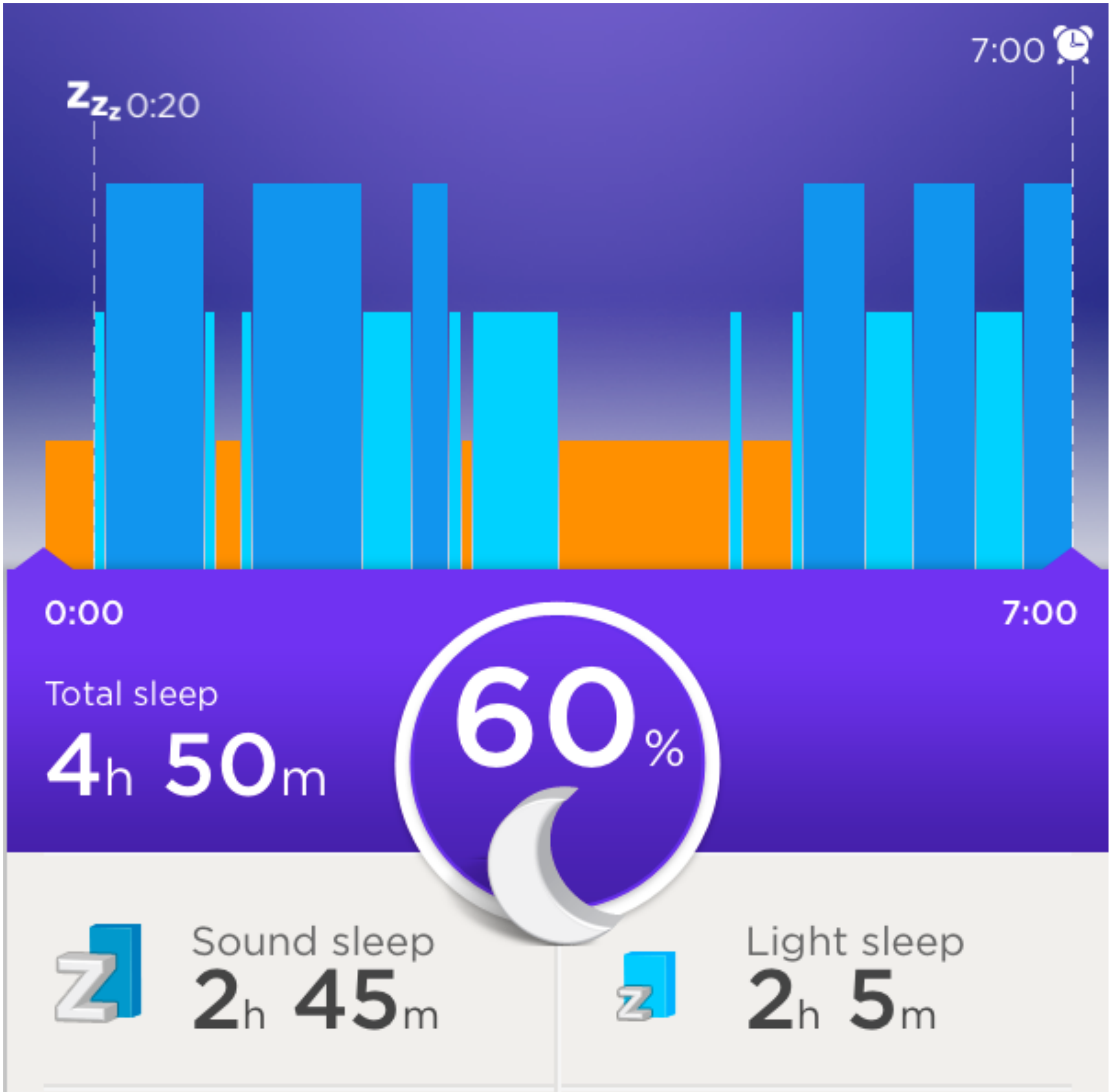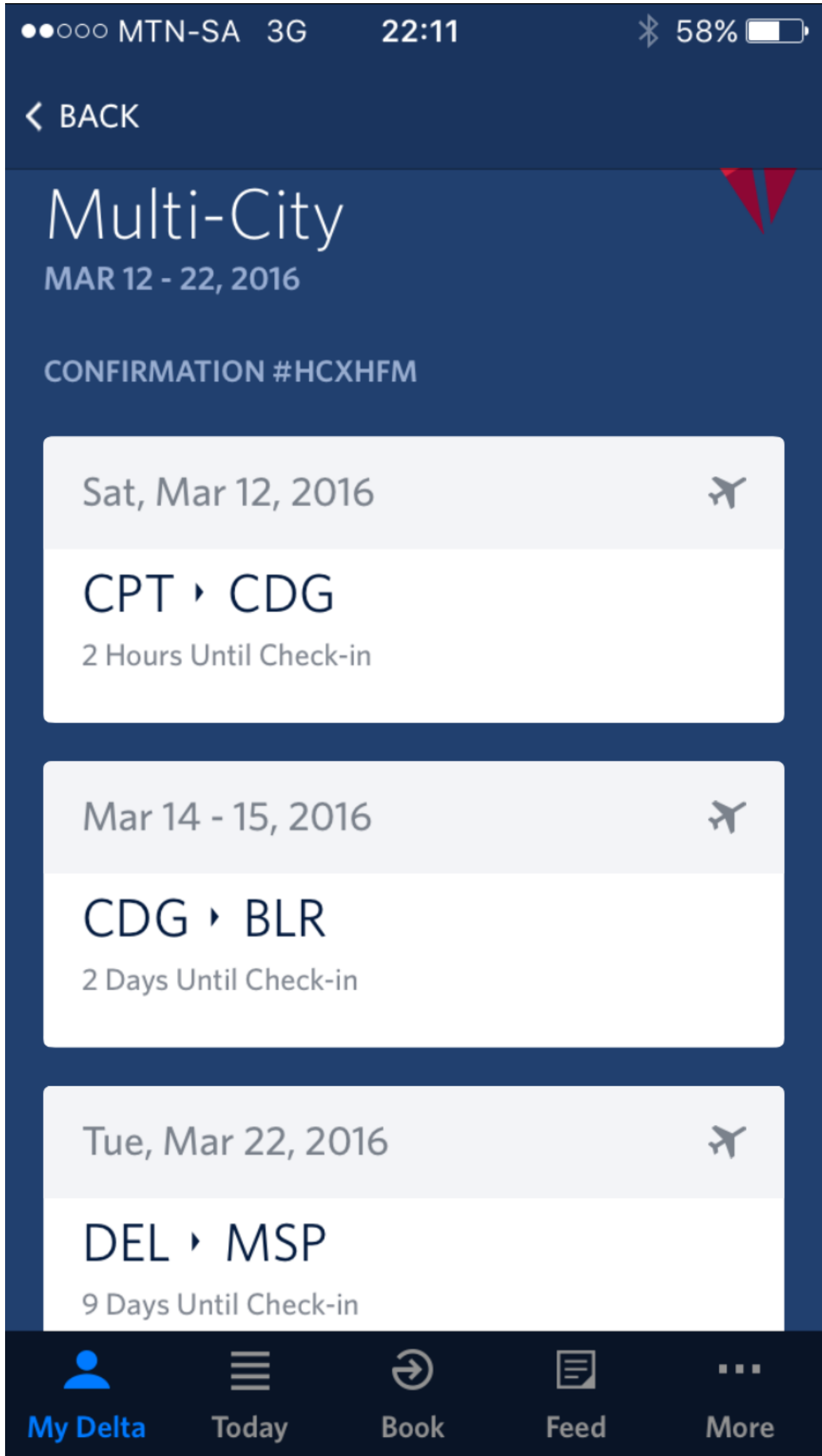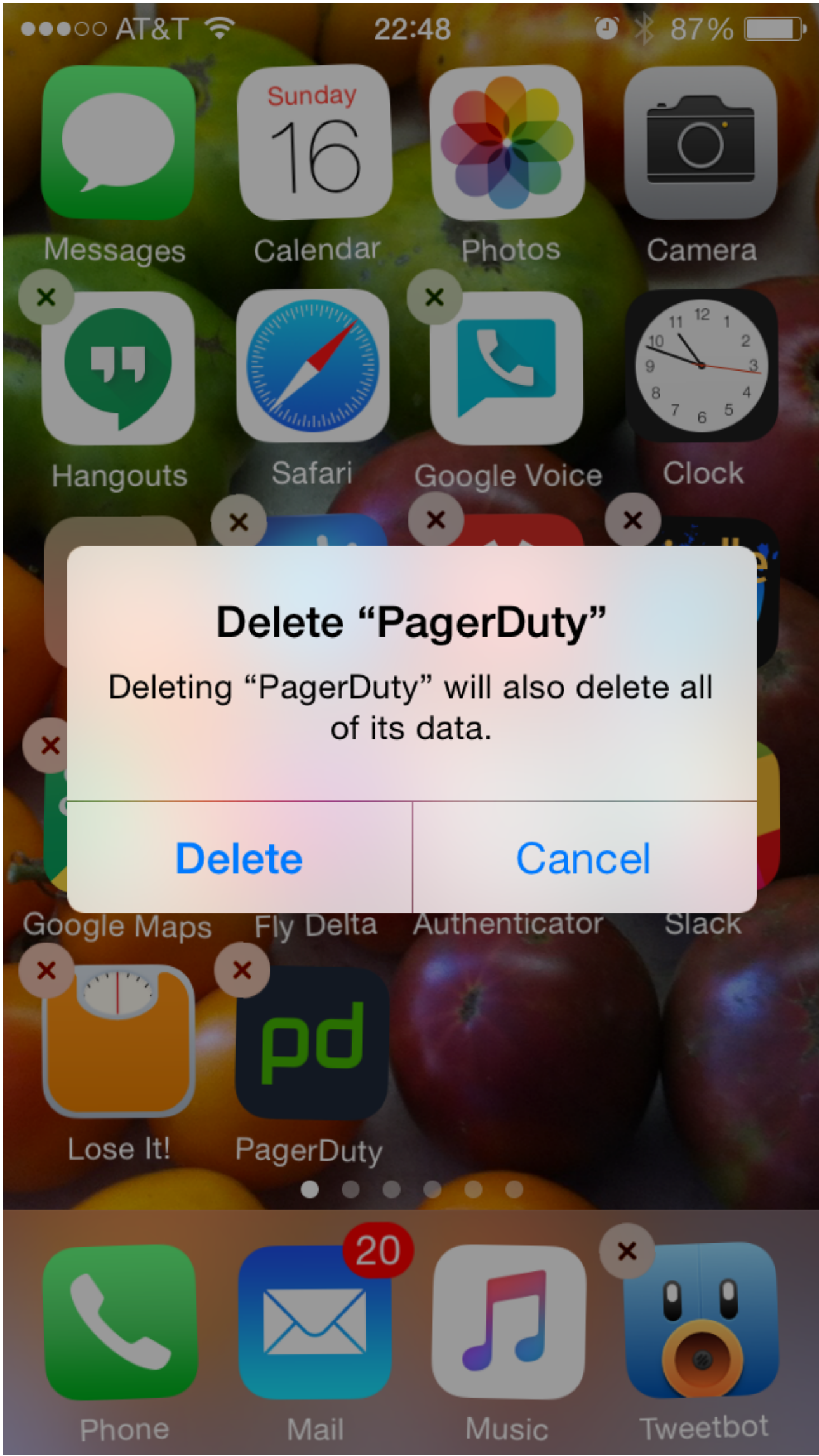# Bridget Kromhout

LIVES:
Minneapolis,
Minnesota

WORKS:
Pivotal

PODCASTS:
Arrested
DevOps

ORGANIZES:
devopsdays

@bridgetkromhout

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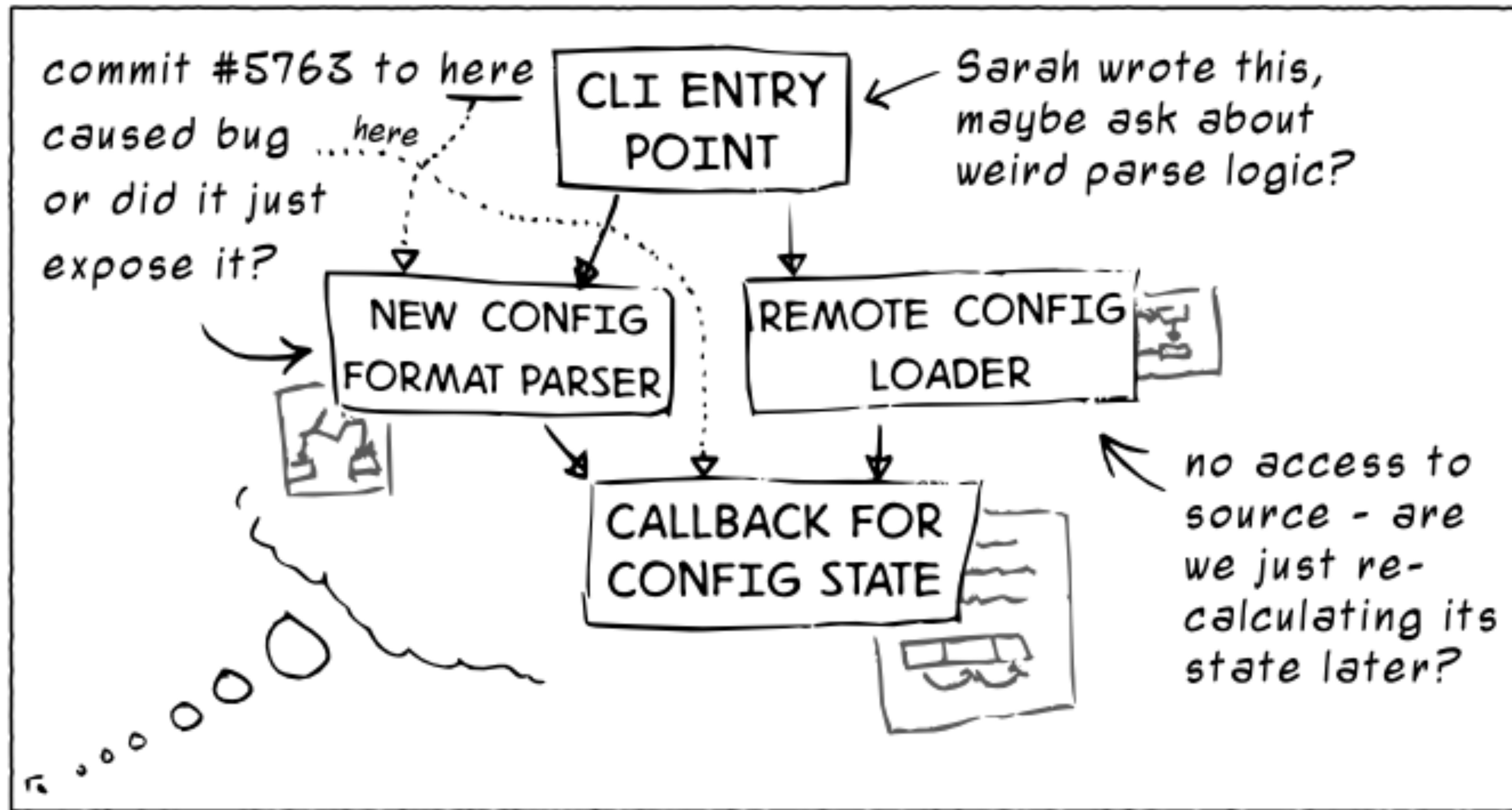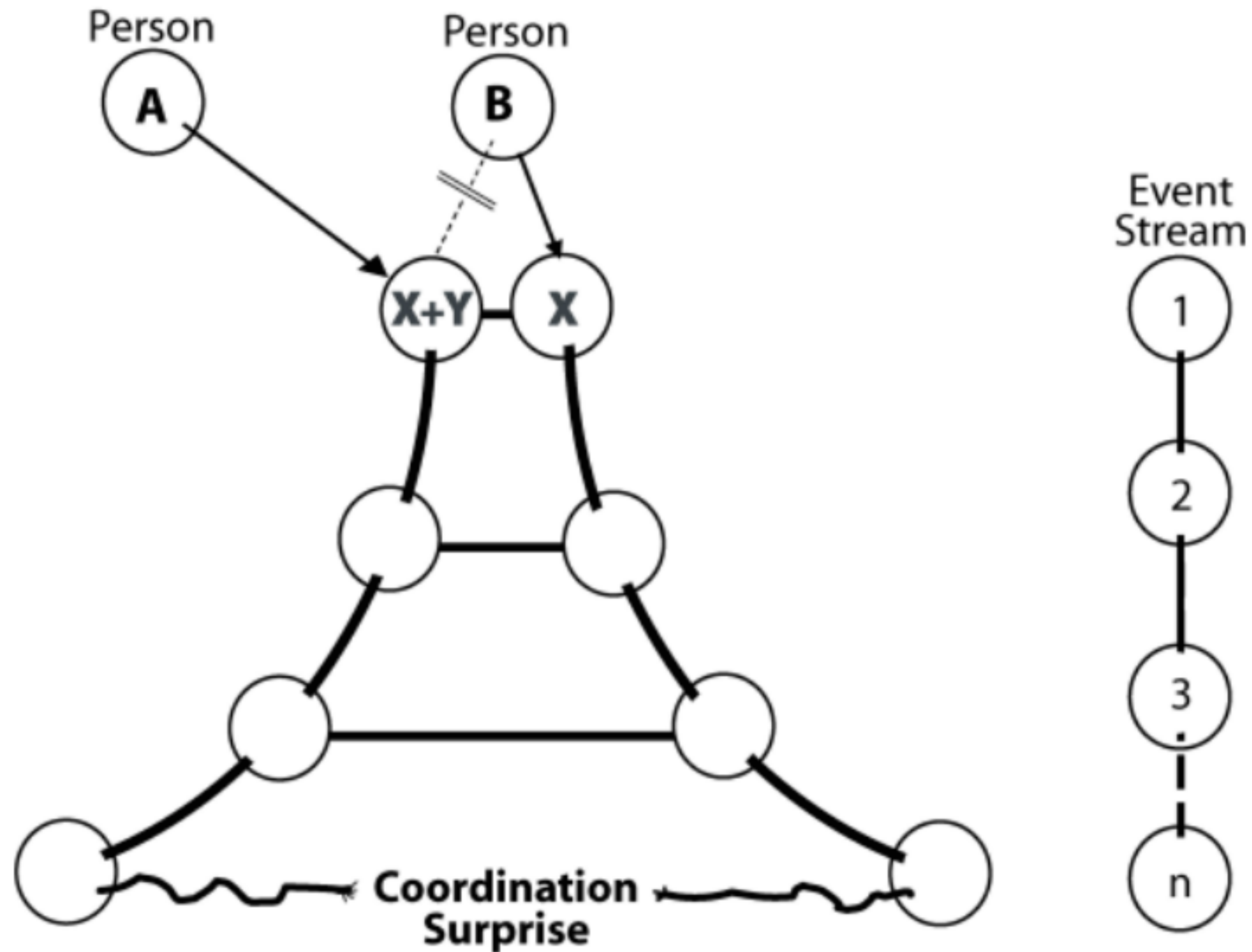# Traded oncall... ...for more travel (Similar effect on sleep)

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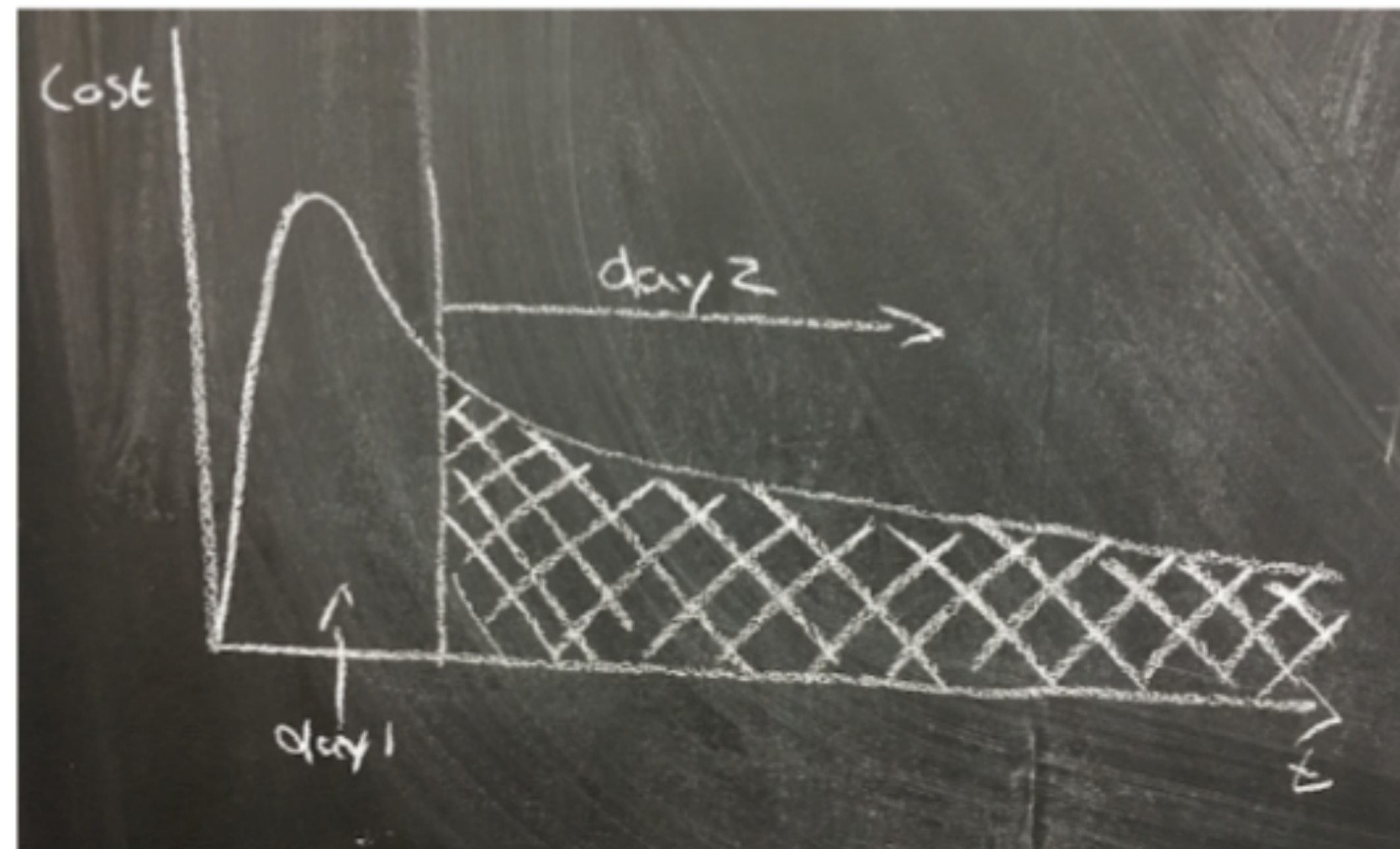@BRIDGETKROMHOUT

Image credit: Jason Heeris

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Common Ground and Coordination in Joint Activity
Klein, Feltovich, Bradshaw, Woods (2004)

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BOSH is an open source tool for **release engineering**, **deployment**, **lifecycle management**, and **monitoring** of distributed systems.

Credit: Pivotal
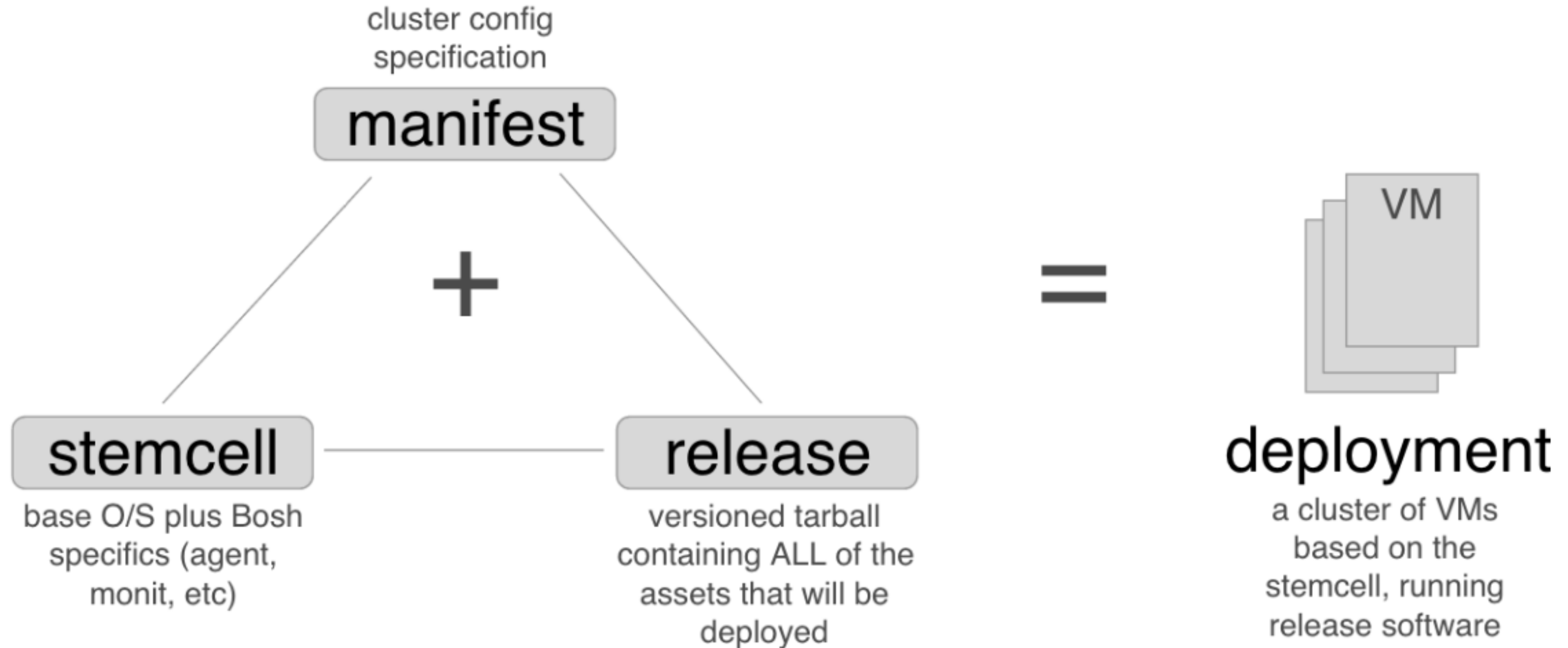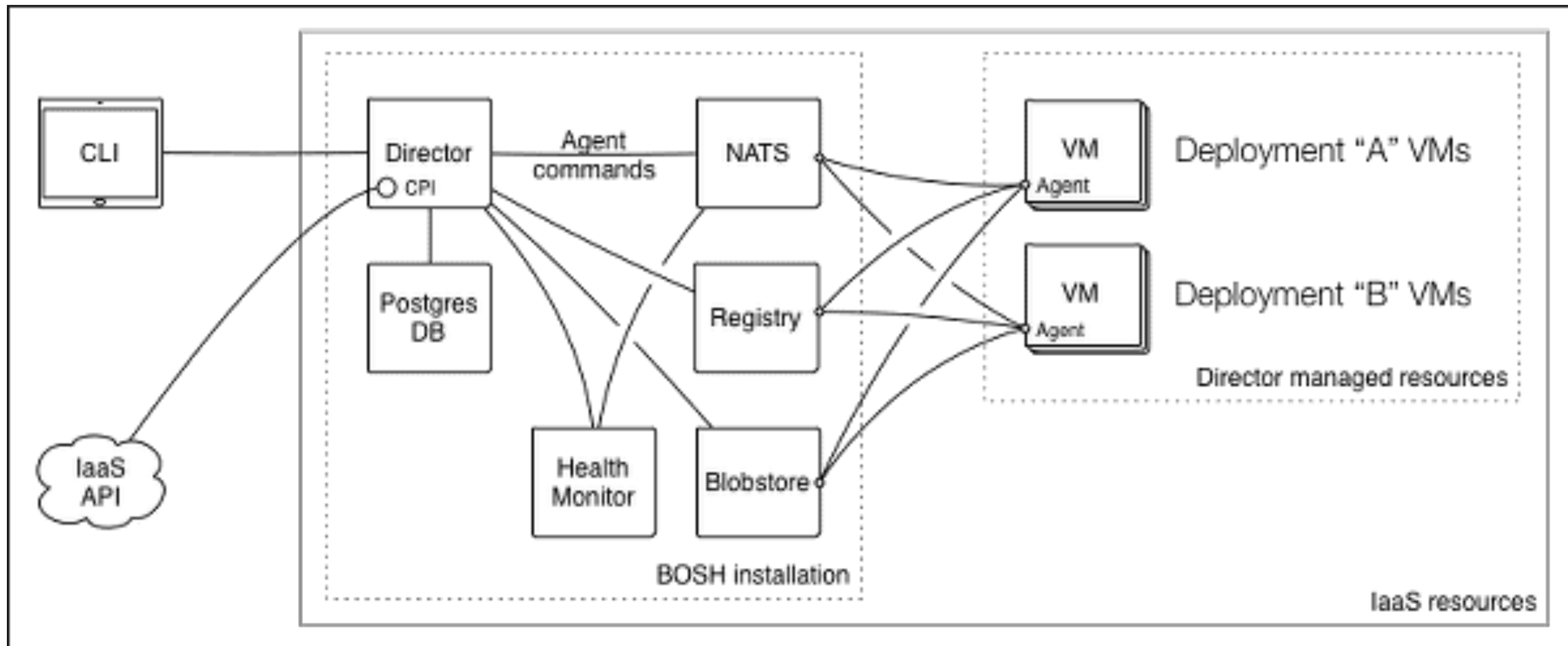
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Cloud Provider Interface - control IaaS

- current_vm_id
- create_stemcell
- delete_stemcell
- create_vm
- delete_vm
- has_vm?
- reboot_vm
- set_vm_metadata

- configure_networks
- create_disk
- delete_disk
- attach_disk
- snapshot_disk
- delete_snapshot
- detach_disk
- get_disks

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Credit: Pivotal

cluster config
specification

manifest

+

stemcell

base O/S plus Bosh
specifics (agent,
monit, etc)

release

versioned tarball
containing ALL of the
assets that will be
deployed

=

VM

deployment

a cluster of VMs
based on the
stemcell, running
release software

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Credit: bosh.io

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Let's try it!
Launch an EC2 instance
running bosh cli & bosh-lite director:

https://github.com/bridgetkromhout/bosh-tutorial

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