

# Cisco COS Automated Deployment Overview

Cisco Cloud Object Store

Cisco AS

October 2017

# Agenda

V2PC architecture

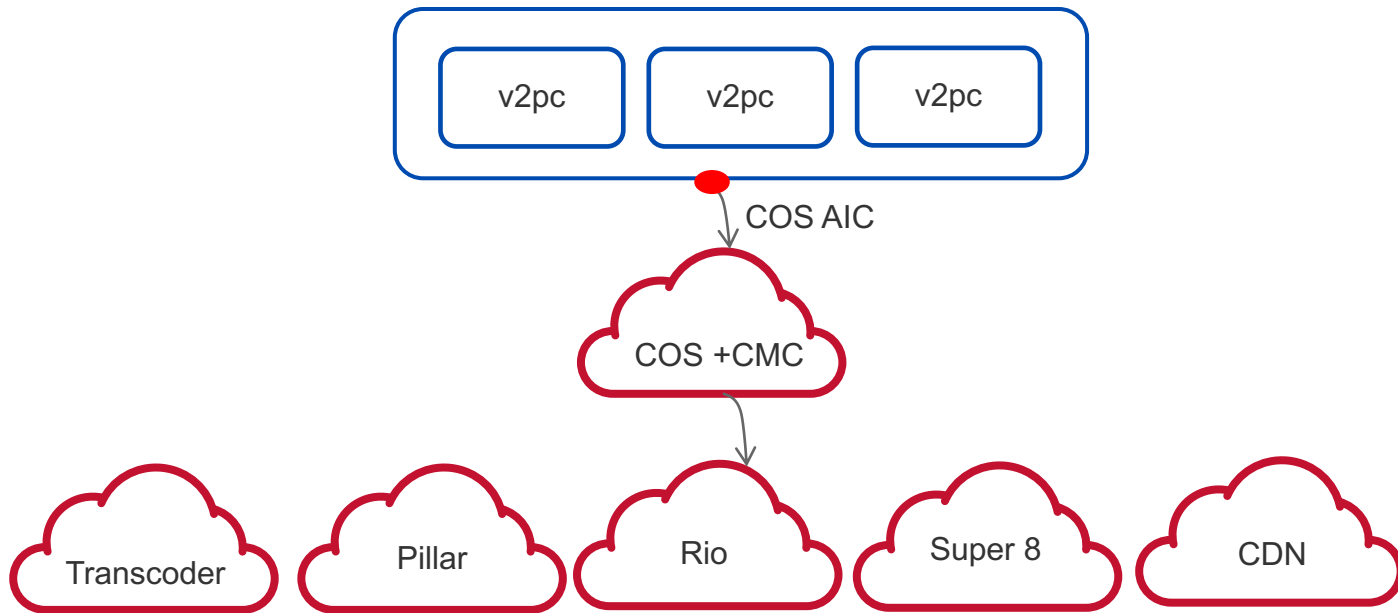
Overview of Cisco COS deployment

Overview of Vaquero workflow

Overview of AS Automation script for Vaquero

Samples.

# v2pc Architecture overview

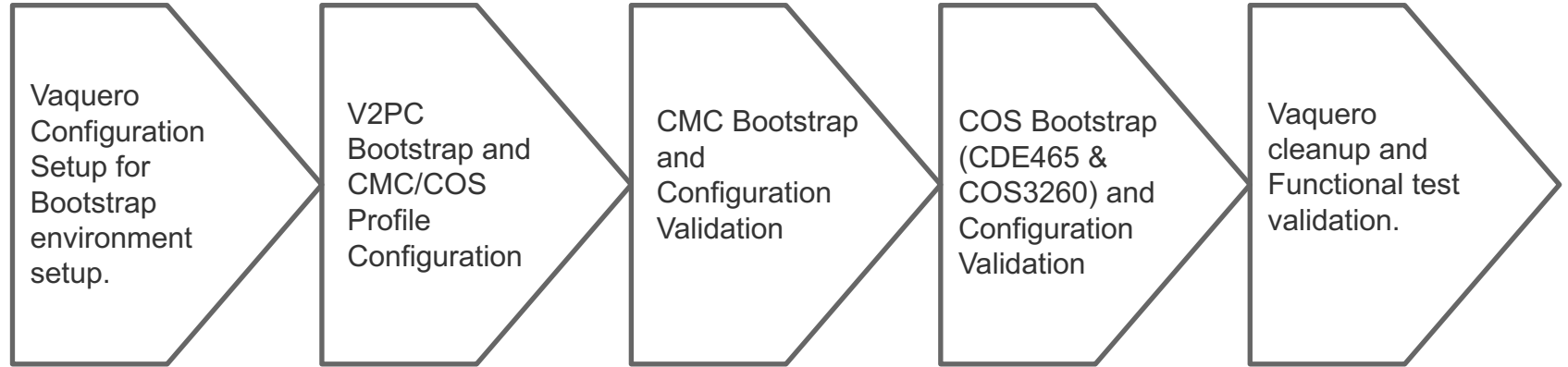


v2pc : Virtualized Video Platform Controller

CMC: COS Metadata Cluster

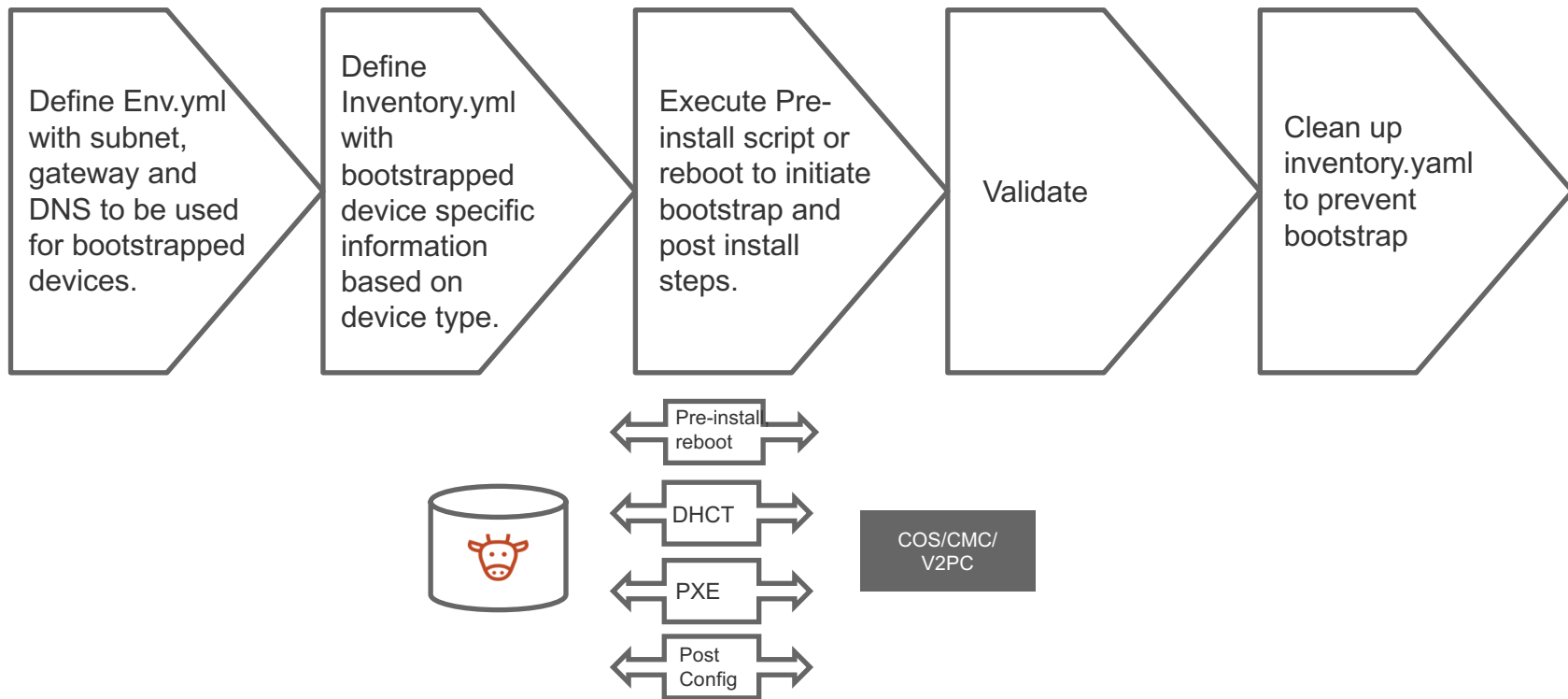
AIC: Application Instance Controller

# High level overview of Cisco COS deployment





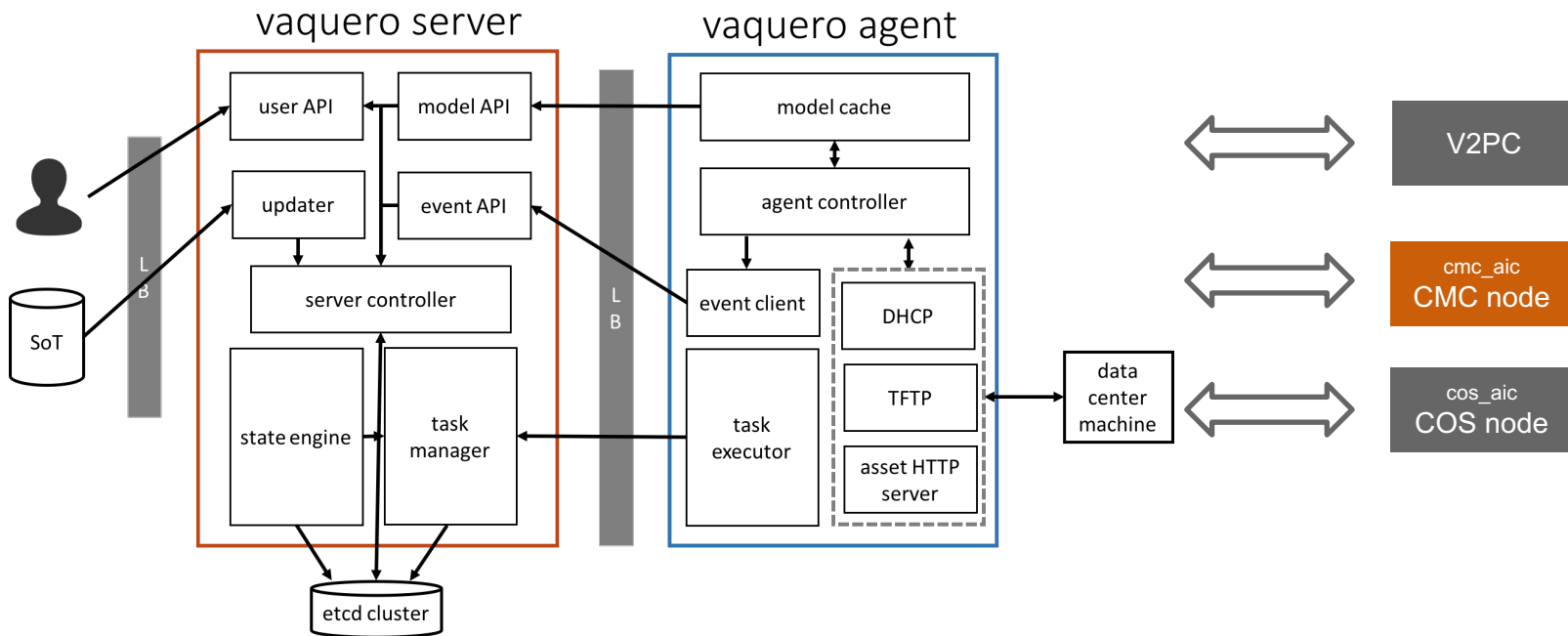
# Vaquero workflow overview on Cisco COS deployment





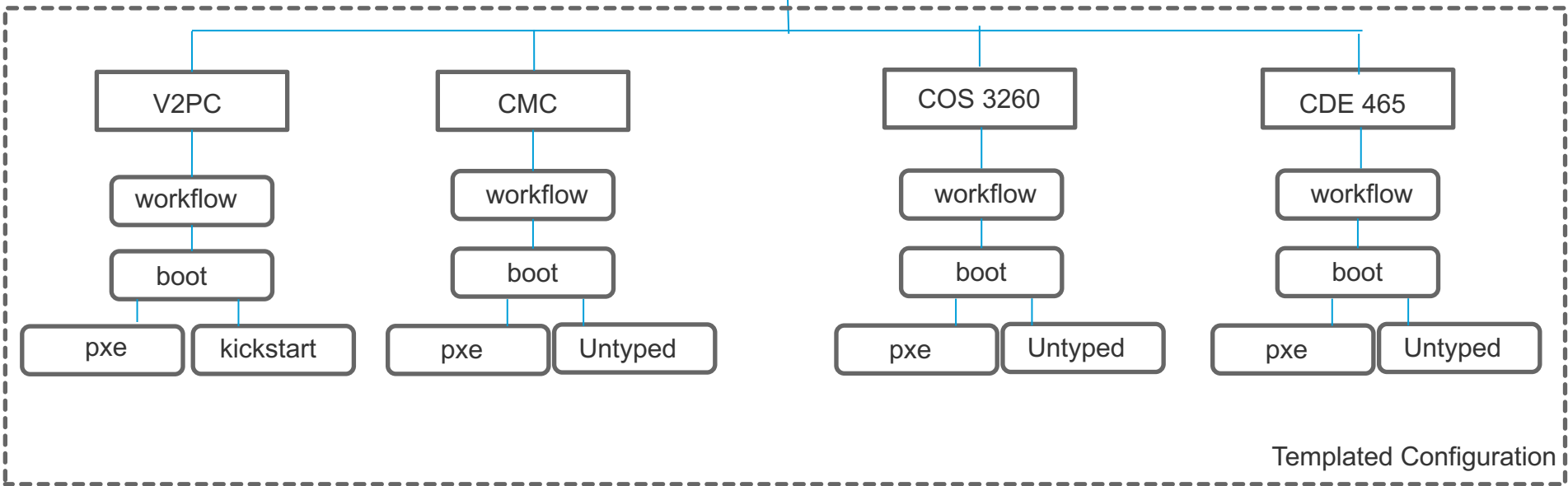
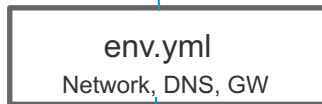
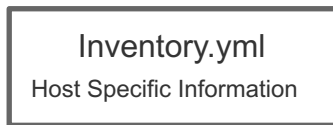
# Bootstrapping with Vaquero

A bare metal configuration utility that network boots machines based on user defined templates. We leverage iPXE and support cloud-config, ignition, kickstart, and untyped unattend boot scripts.





# Vaquero Configuration Structure

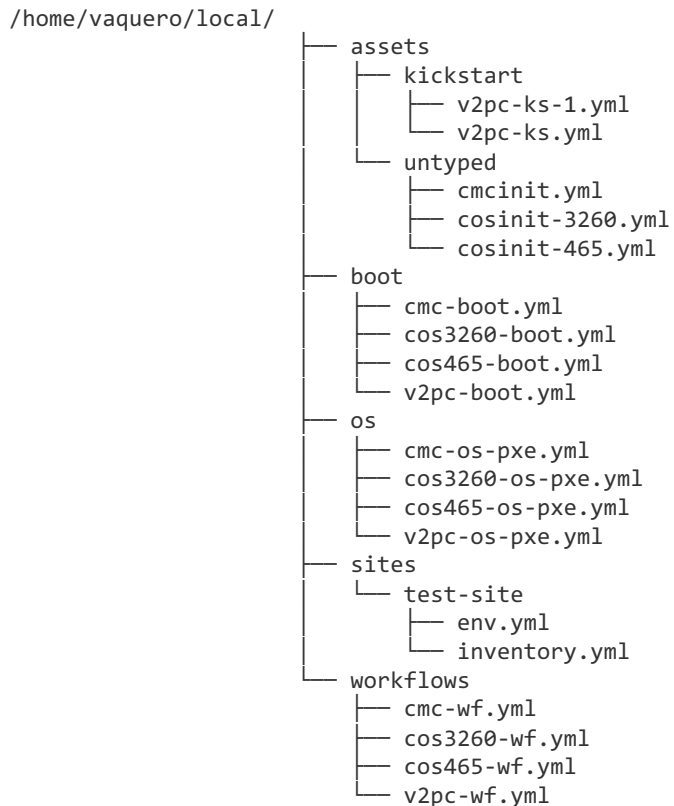


Templated Configuration



# Vaquero Configuration structure

## File System Structure



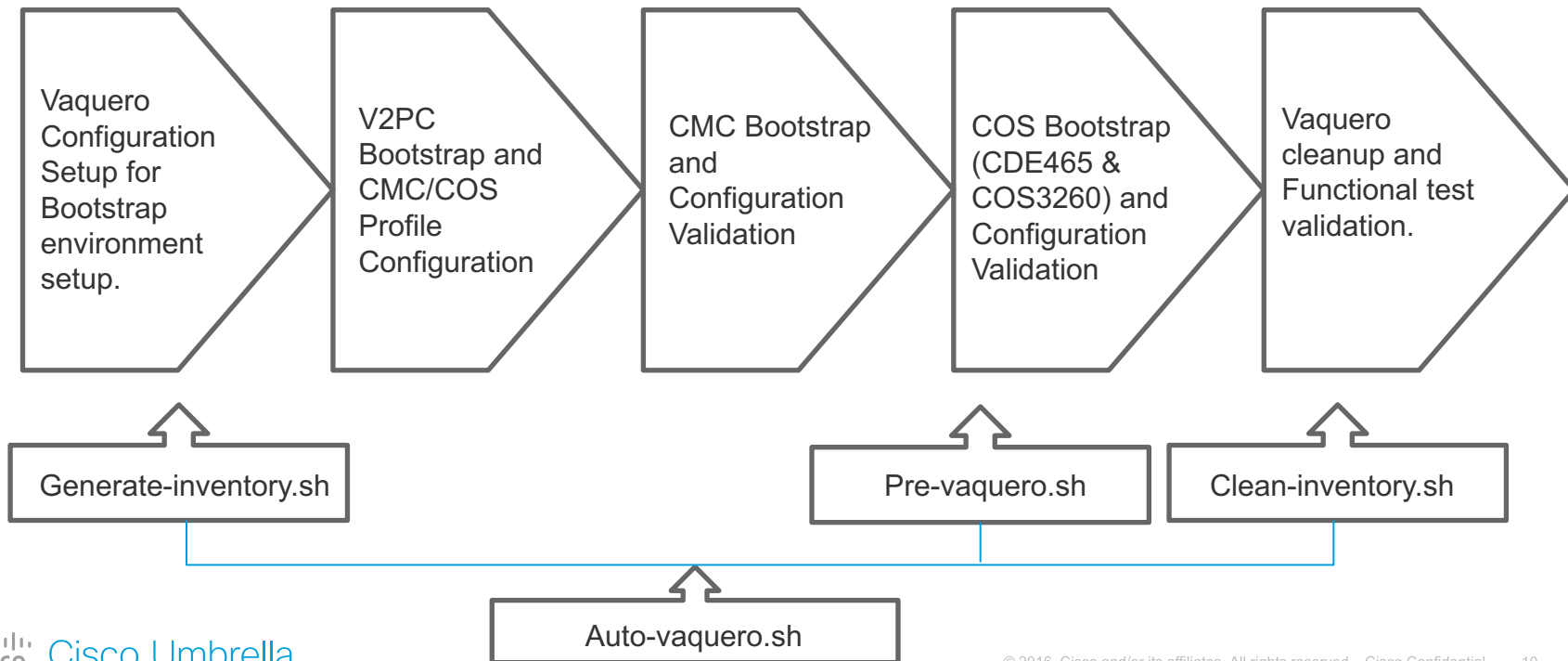


# AS Automation Scripts for Vaquero

<https://wwwin-github.cisco.com/kerhee/vaquero-auto>

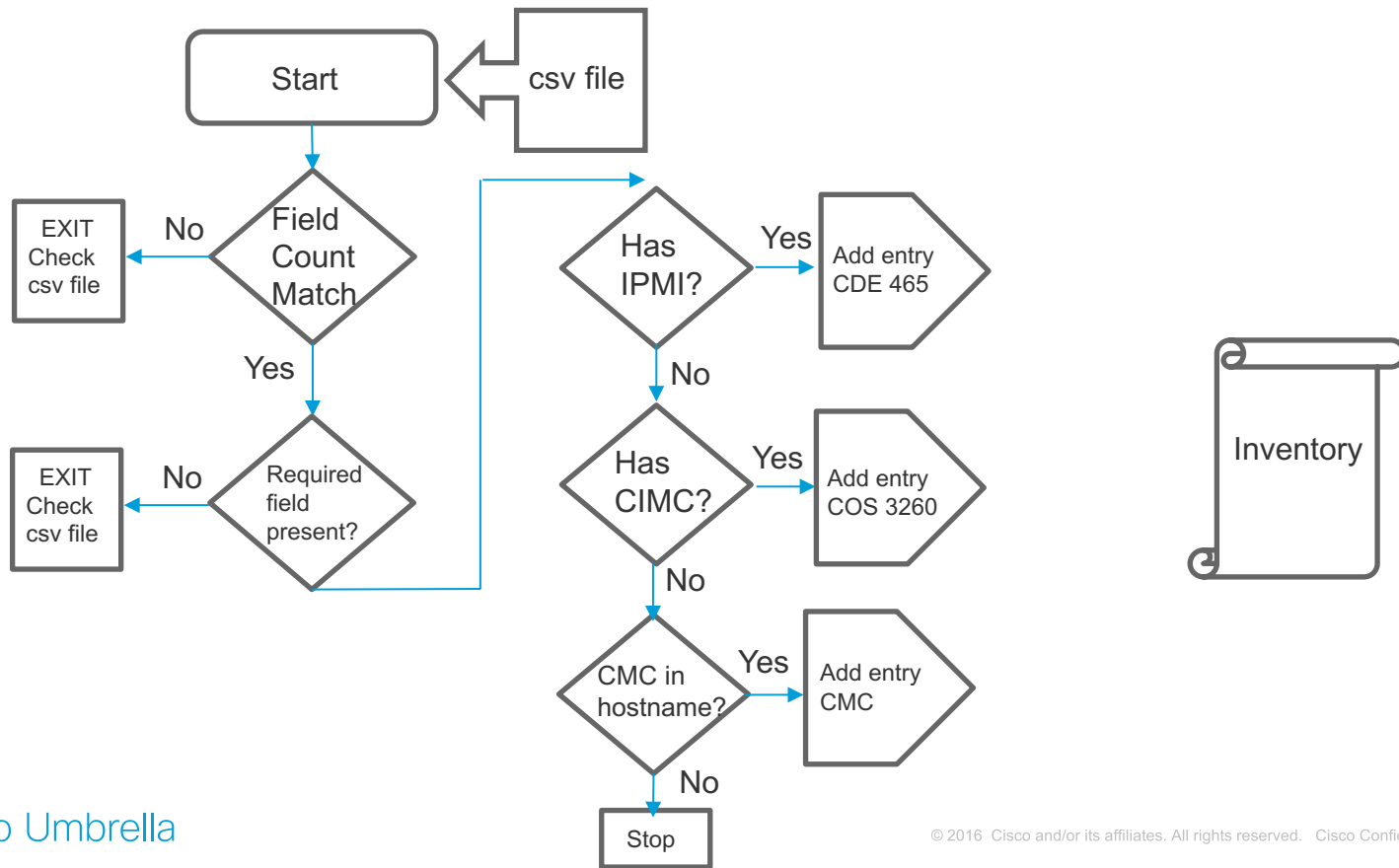
# High level overview of Cisco COS deployment

## Automation script execution points



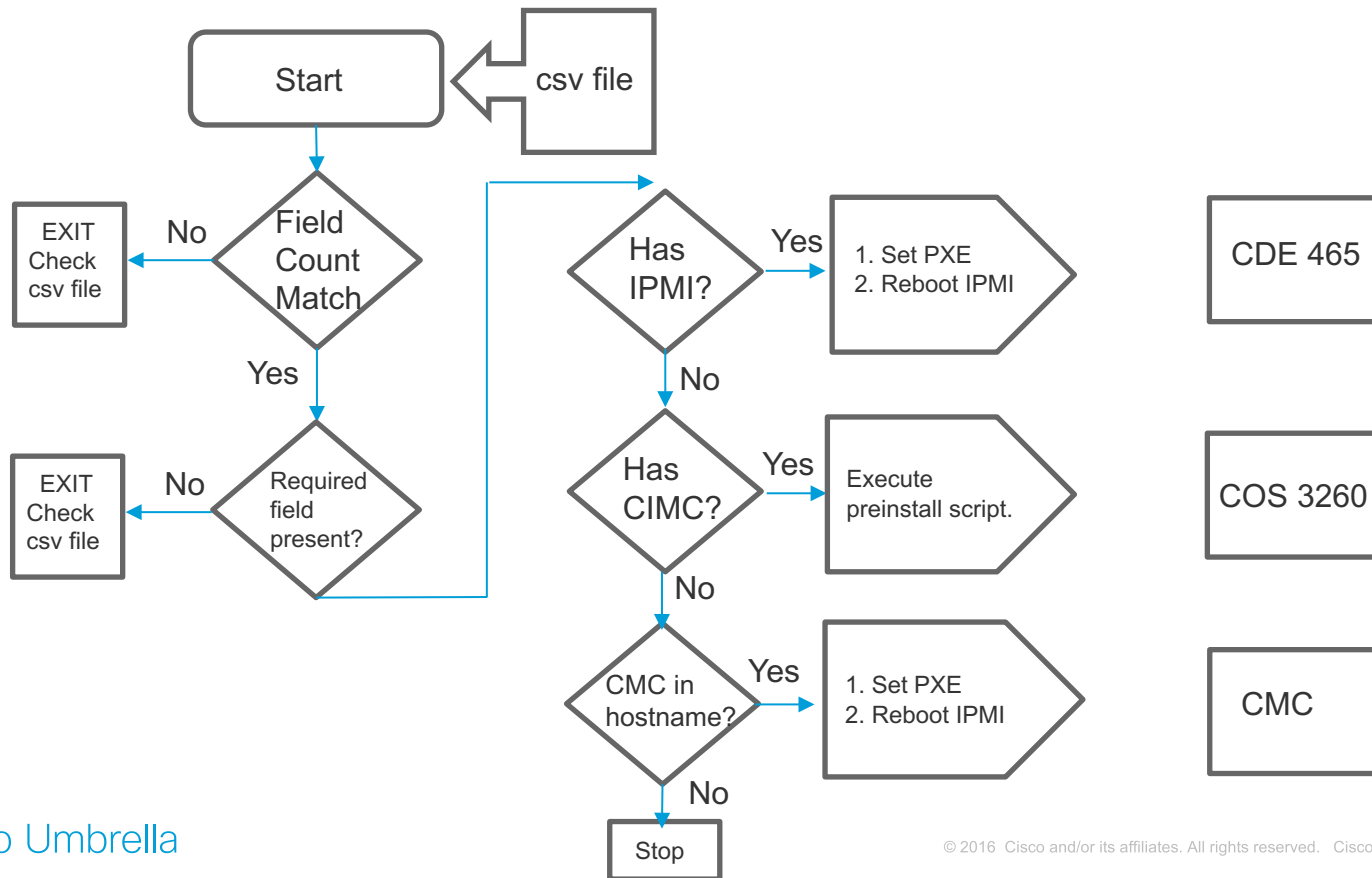
# Cisco AS Automation Script: generate-inventory.sh

<https://wwwin-github.cisco.com/kerhee/vaquero-auto/tree/master/generate-inventory>



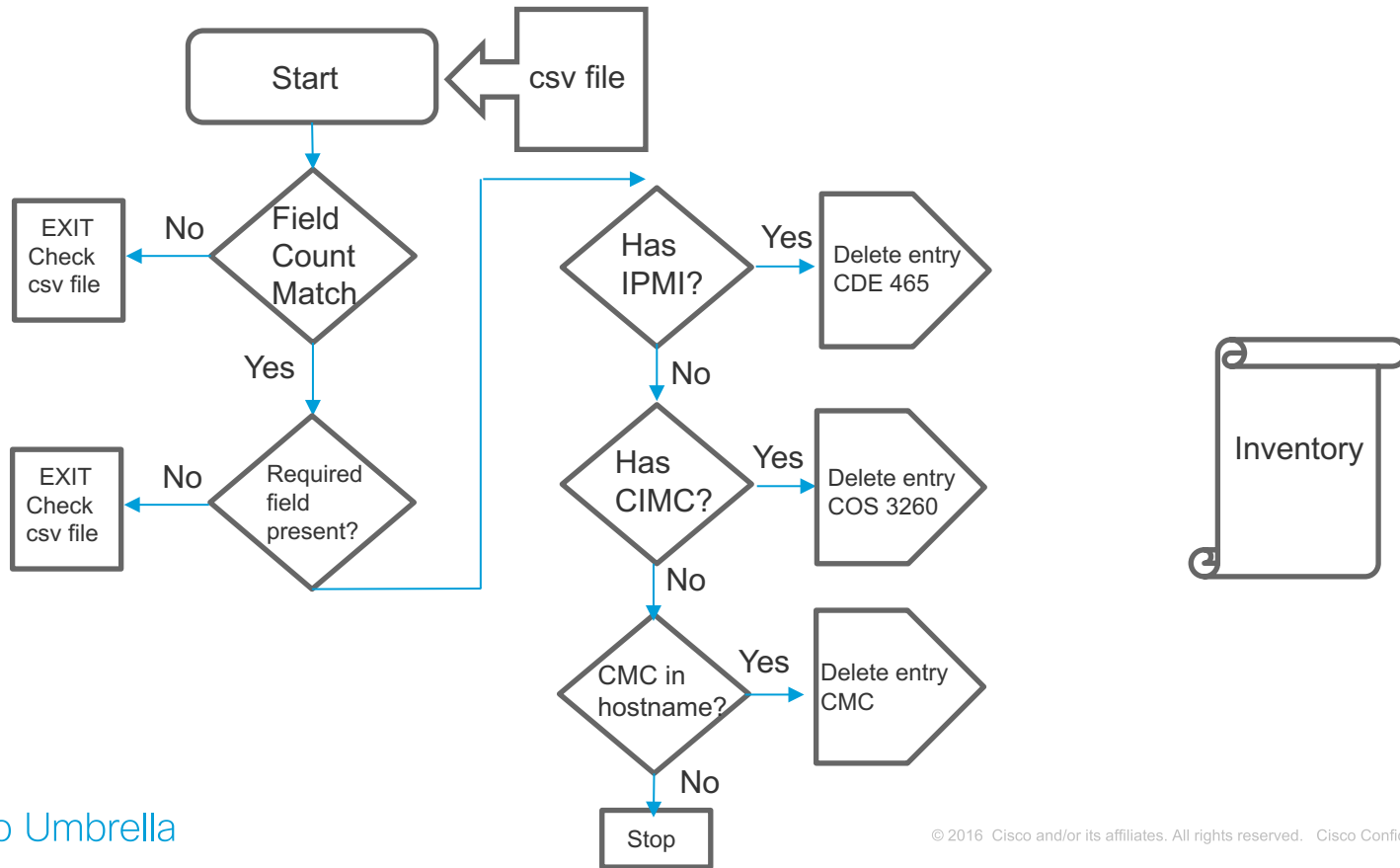
# Cisco AS Automation Script: pre-vaquero.sh

<https://www.in-github.com/kerhee/vaquero-auto/tree/master/pre-vaquero>



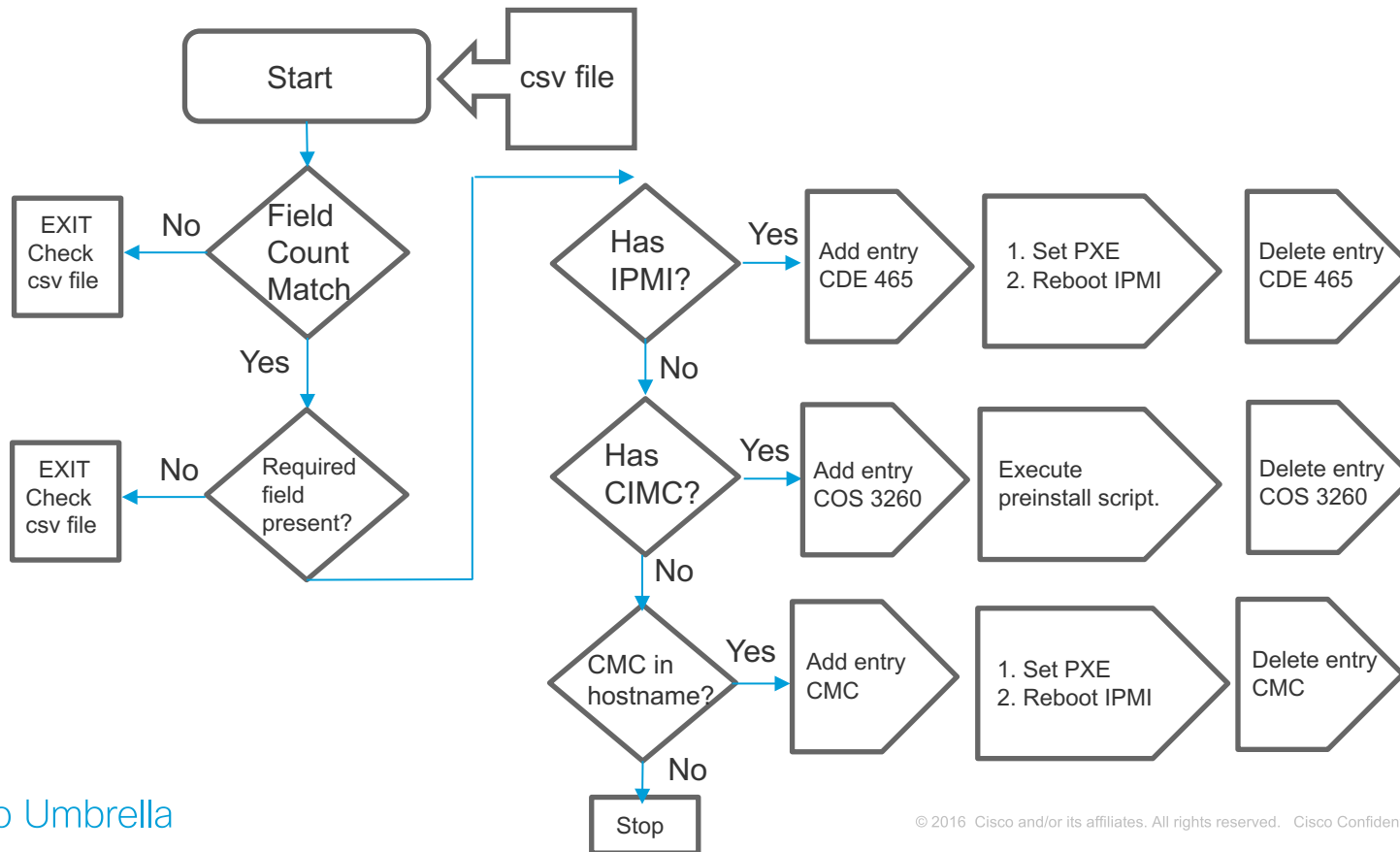
# Cisco AS Automation Script: clean-inventory.sh

<https://wwwin-github.cisco.com/kerhee/vaquero-auto/tree/master/clean-inventory>



# Cisco AS Automation Script: auto-vaquero.sh

<https://www.github.com/kerhee/vaquero-auto/tree/master/auto-vaquero>



# Future development

- Validation check points post deployment.
- Implementation of automated upgrade setup/initialization.