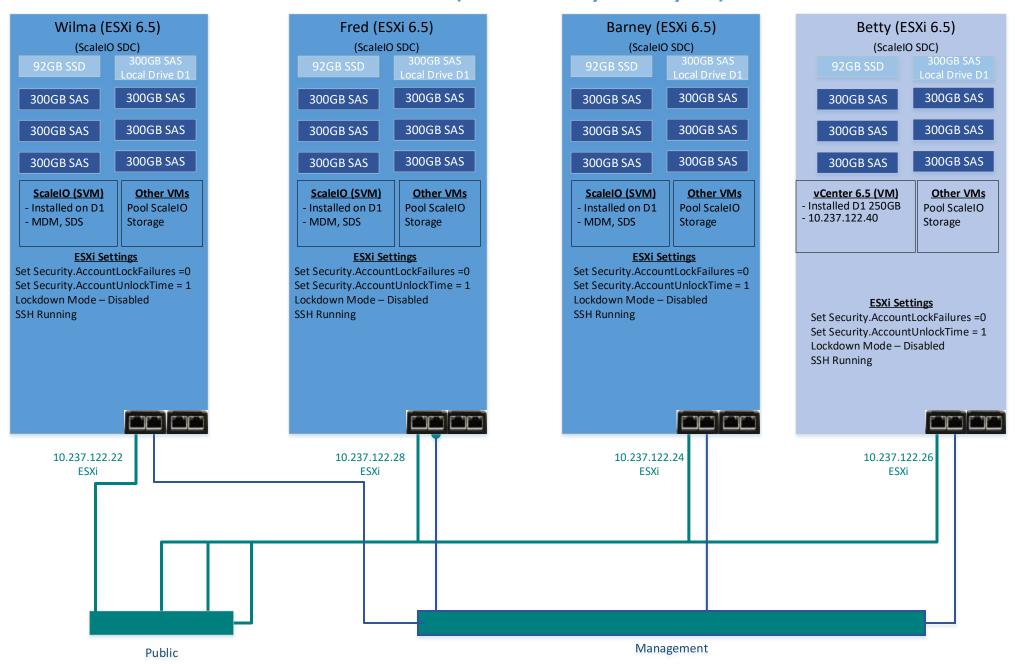
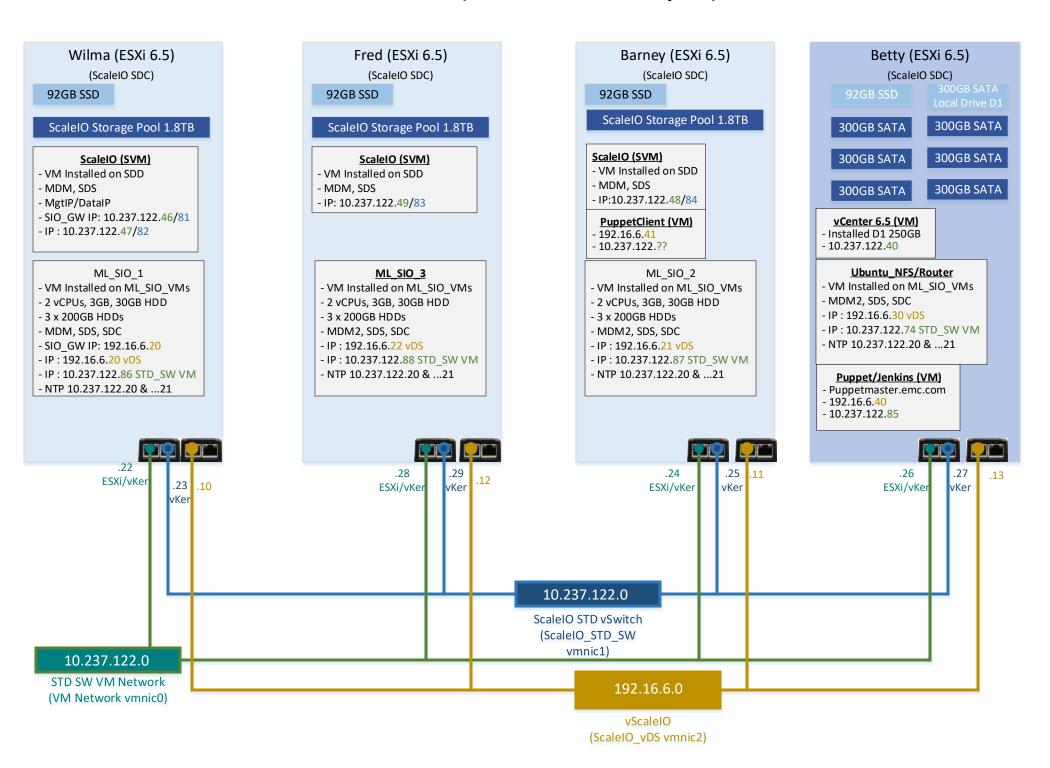
## Overview

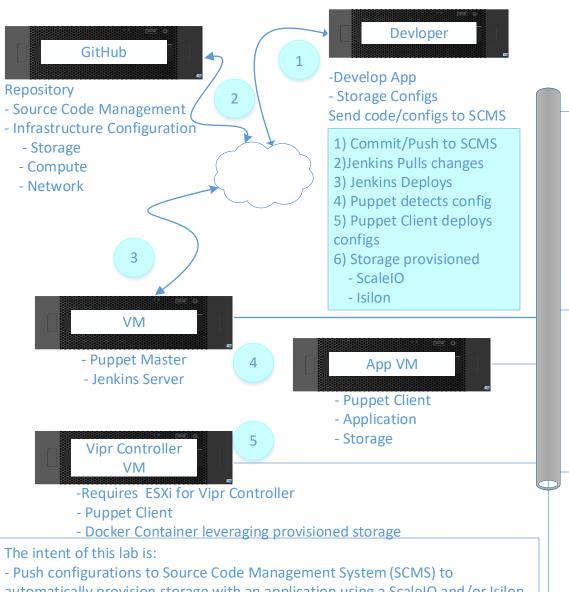
- Physical environment
- ESXi and ScaleIO for pooling the internal drives of ESXi host
- Slide IaC demonstrates a storage flow of Infrastructure as Code
- Slide Warren Lab is an overview of what the Warren Lab has installed
- Slide CI-CD is a logical pipeline deploying an application and infrastructure leveraging commonly used tools in the industry today (GitHub, Jenkins, and Puppet)

## Warren Lab (MetroLab Physical Layout)



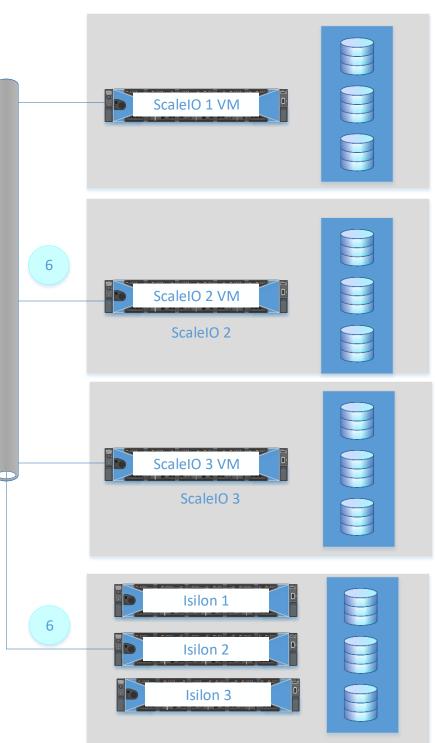
## Warren Lab (MetroLab Virtual Layout)

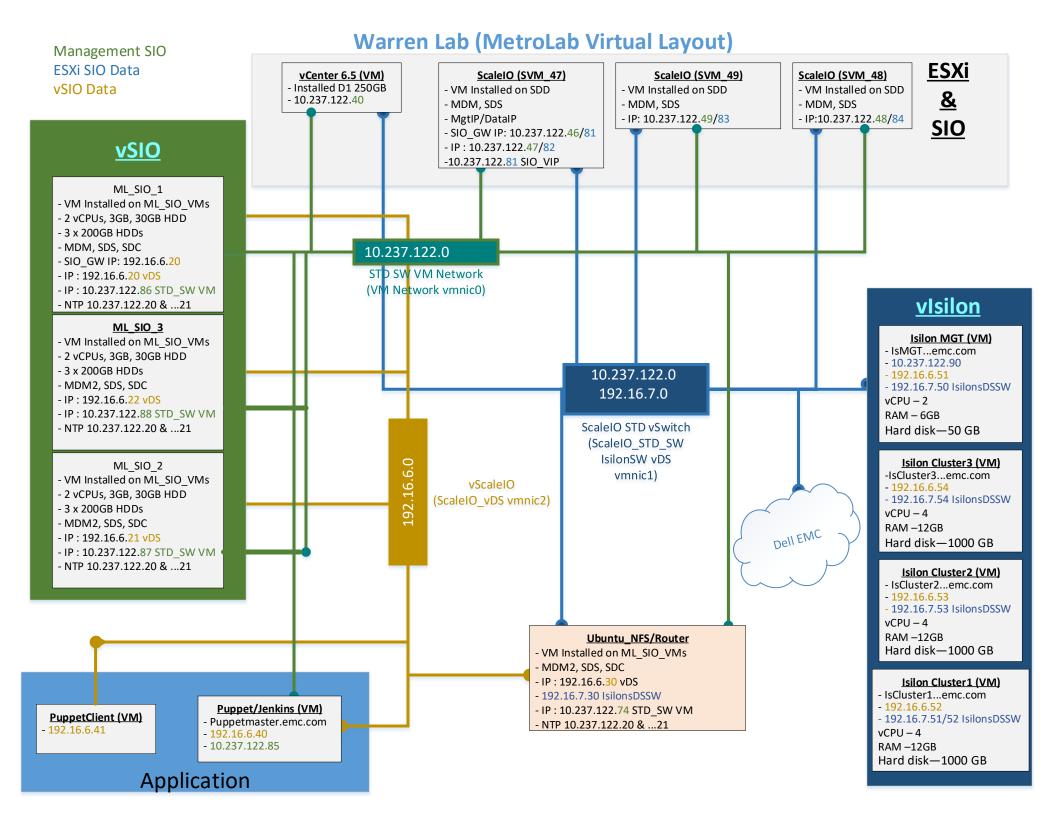


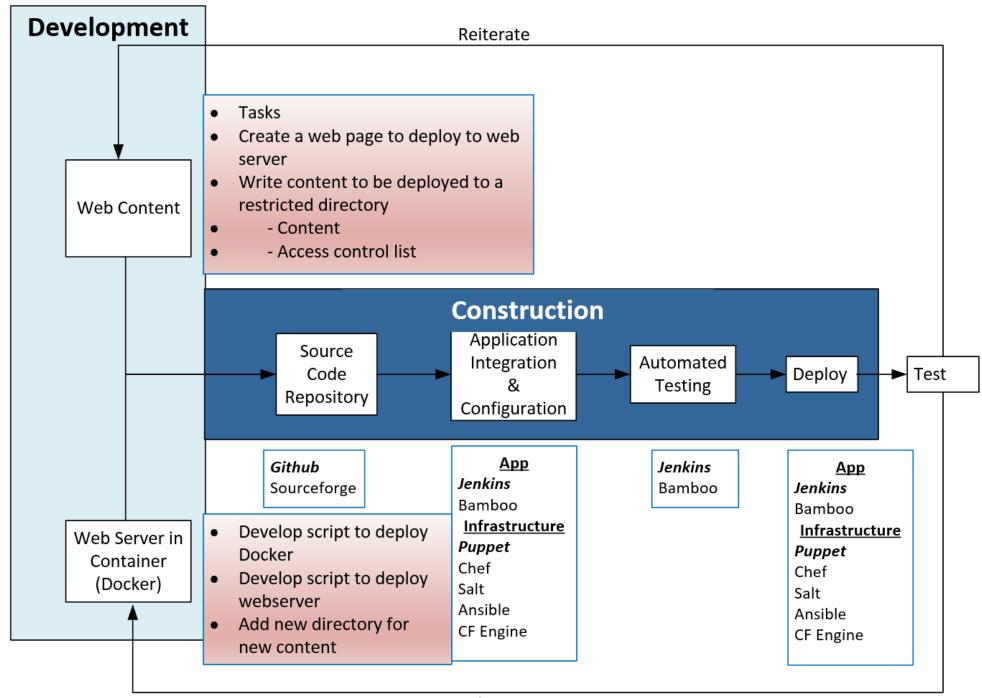


- Push configurations to Source Code Management System (SCMS) to automatically provision storage with an application using a ScaleIO and/or Isilon virtual environments.
- Storage
  - Provision ScaleIO Block to be used by a container
  - Provision Isilon File to be used by a container
- Test storage provisioned to each of the environments

Note: Vipr Controller maybe be deployed on the ScaleIO nodes to reduce the number of VMs. Vipr requires 3 nodes min as does ScaleIO. This can be extended to VMAX, XIO and other arrays. These products were selected because they support running in a virtualized environment and scale out technologies.







Reiterate