



# Pharos Templates and Configuration Files

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OPNFV

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Lab and POD templates are provided to help lab owners document capabilities, configurations and network topologies. Compute, network and storage specifications with network topology details are required to help developers use lab resources efficiently while minimizing support needs. This also greatly assists with troubleshooting. It is the responsibility of the lab owner to keep individual lab documents updated and determine appropriate level of detail that is exposed publicly through the Wiki or maintained in a secure Pharos repo with controlled access.

The goal of the Pharos Project is automation of resource provisioning. This requires machine readable inventory and network configuration files that follow common format.



## LAB SPECIFICATION TEMPLATE

### 1.1 Introduction

Add an summary of what your lab hosts, its focus areas and purpose

### 1.2 Lab Resources

POD Name	Project(s)	Project Lead(s)	Email(s)	POD Role	Status	Notes
POD1	Project Name	John Doe	<a href="mailto:john@abc.com">john@abc.com</a>	CI: stable	Active	

- **POD Name:** Use consistent naming / numbering to avoid confusion. Hyperlinked to POD description.
- **POD Role:** CI stable, CI latest, Dev/test, Stand-alone, Virtual, ...
- **Status:** Assigned, Configuring, Active, Troubleshooting, Available, ...

### 1.3 Acceptable Usage Policy

Define lab user policies and expectations

### 1.4 Remote Access Infrastructure

Describe lab remote access setup (typically VPN, also link speed, any known restrictions, etc.)

### 1.5 Remote Access Procedure

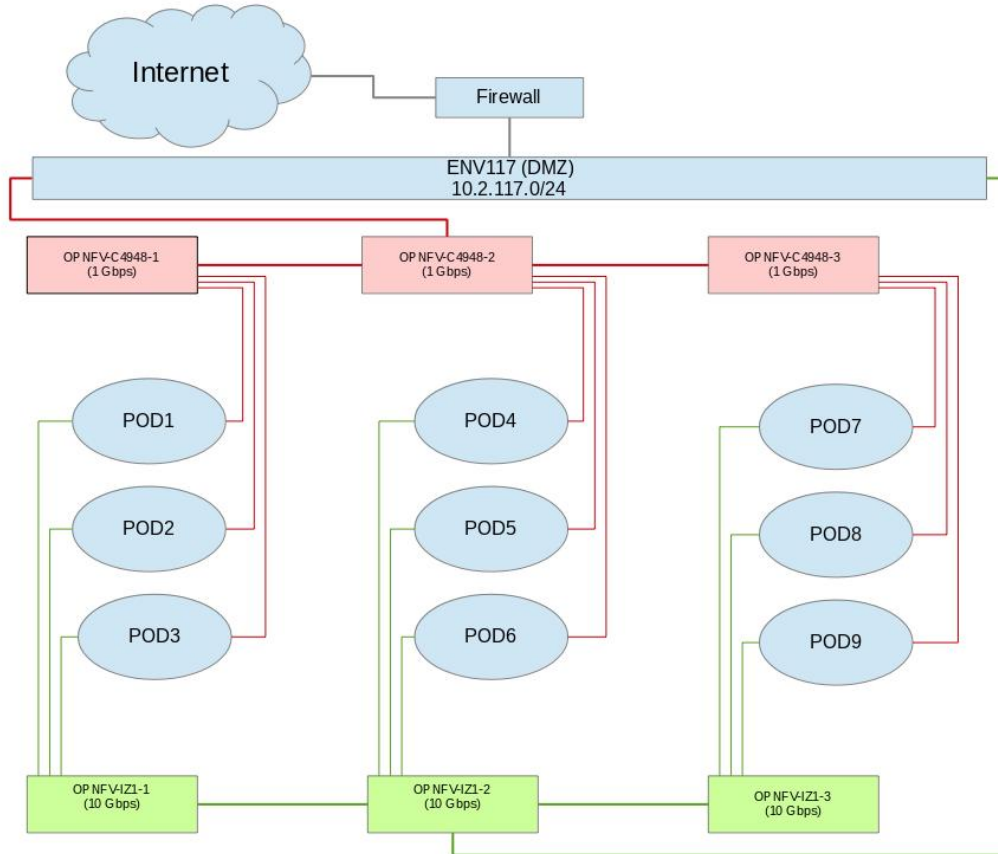
Define lab process for requesting access to the lab (e.g. VPN guide, how to modify BIOS settings, etc.)

### 1.6 Lab Documentation

List lab specific documents here

## 1.7 Lab Topology

Provide a diagram showing the network topology of lab including lights-out network. Any security sensitive details should not be exposed publicly. The following diagram is an example only.





## POD SPECIFICATION TEMPLATE

### 2.1 Introduction

Add an summary of the POD usage (Project, CI stable, CI latest, dev/test, stand-alone servers, etc.)

### 2.2 Additional Requirements

Describe any additional POD requirements beyond a standard Pharos compliant POD e.g. test equipment, shared usage, ...

### 2.3 Server Specifications

#### Jump Host

Host-name	Vendor	Model	Serial Number	CPU	Memory	Local Storage	Lights-out network (IPMI): IP/MAC, U/P	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
jump	Dell	R730	ABCDEF0642699	2x E5-2699	64GB	240GB SSD 1 TB SATA	10.10.10.10 00:1E:67:D4061E root/root	IF0: 10.2.117.36 00:1E:67:4F:B7:B1 VLAN 984 Public 10.2.1.1 00:1E:67:4F:B7:B2 VLAN 201 Admin	IF2: 10.2.12.1 00:1E:67:4F:B7:B4 VLAN 202 Private 10.2.13.1 00:1E:67:4F:B7:B5 VLAN 203 Storage	

#### Compute Nodes

Host-name	Vendor	Model	Serial Number	CPU	Memory	Local Storage	Lights-out network (IPMI): IP/MAC, U/P	1GbE: NIC#/IP MAC/VLAN/Network	10GbE: NIC#/IP MAC/VLAN/Network	Notes
node1										
node2										
node3										
node4										
node5										

## 2.4 VPN Users

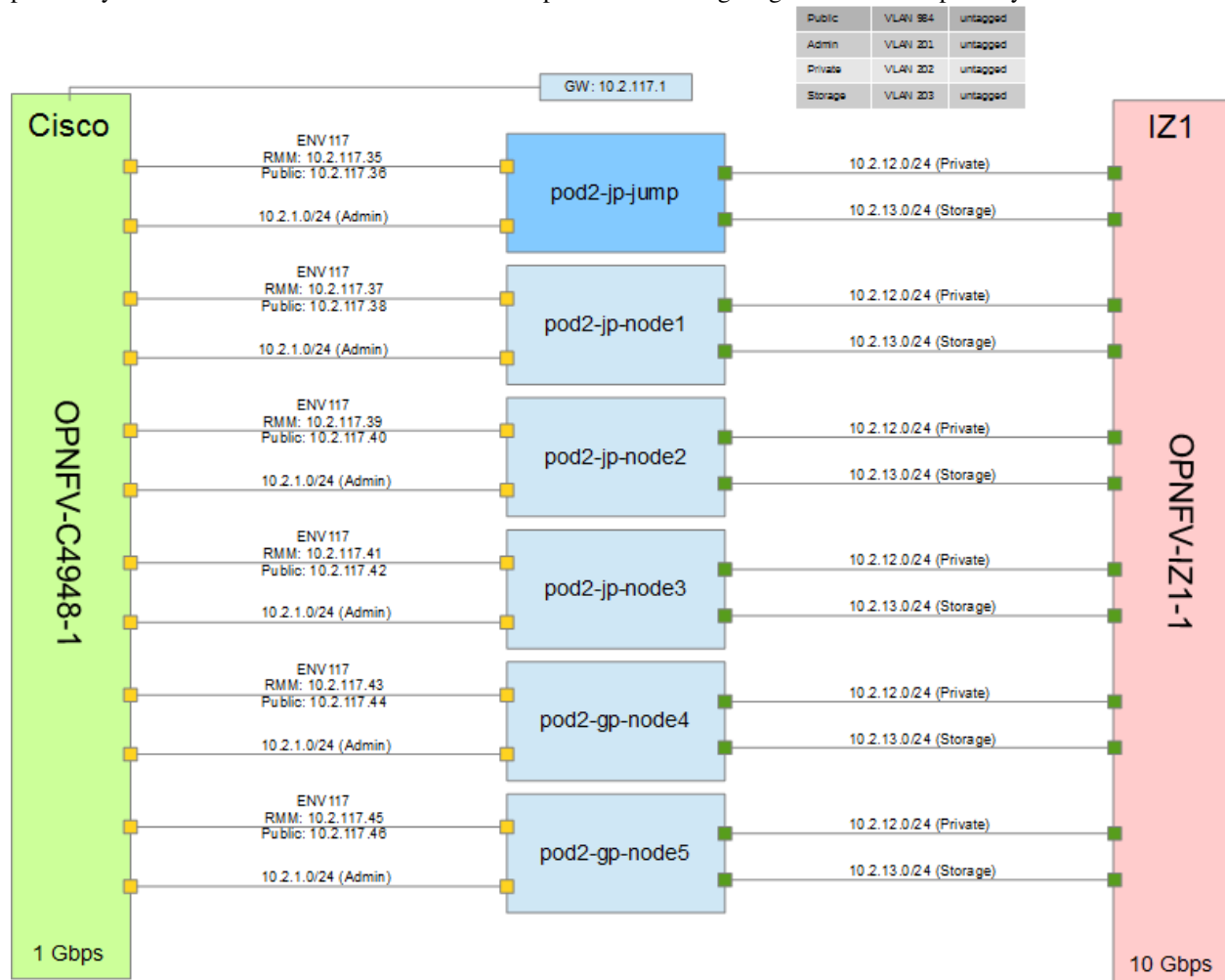
Name	Email	Project	Role	Notes
joe user	ju@gmail.com	Pharos	contributer	CI support

## 2.5 Firewall Rules

Port(s)	Service	Notes
22, 43, 80	Jenkins CI	

## 2.6 POD Topology

Provide a diagram showing the network topology of the POD. Any security sensitive details should not be exposed publicly and can be stored in the secure Pharos repo. The following diagram is an example only.



## POD INVENTORY FILE

The Common Inventory File provides a template for machine readable input into every installer. For convenience the YAML file template currently resides in the Genesis Project repo. Refer to the following patch for further information <https://gerrit.opnfv.org/gerrit/#/c/4079>.