

# Lab 1 - LAN Setup and OS Installation

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## Contents

<b>1</b>	<b>Objectives</b>	<b>2</b>
<b>2</b>	<b>Procedures</b>	<b>2</b>
2.1	OS Installation . . . . .	2
2.1.1	Host OS installation . . . . .	2
2.1.2	Guest OS installation . . . . .	2
2.2	Network <b>Configuration</b> . . . . .	2
2.2.1	IP address configuration . . . . .	2
2.2.2	Routing Configuration . . . . .	2
<b>3</b>	<b>Completing the Lab</b>	<b>2</b>

# Lab 1 - OS and Network Configuration

## 1 Objectives

- Setup Local Area Network environment
- Install Host OS on bare metal<sup>1</sup> and Guest OS on VMs
- Configure and test network setup
- Document Host and VMs settings

## 2 Procedures

### 2.1 OS Installation

#### 2.1.1 Host OS installation

Create separate partitions and attached to the following mount points:

1. /home - at least 40GB
2. /var/lib/libvirt/images - at least 100GB
3. /boot - at least 1GB
4. swap - 8 GB or more

#### 2.1.2 Guest OS installation

### 2.2 Network Configuration

#### 2.2.1 IP address configuration

#### 2.2.2 Routing Configuration

## 3 Completing the Lab

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<sup>1</sup>i.e. on a physical machine