

DEPARTMENT FOR OPERATING SYSTEMS

# Data Storage Systems

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Lab03-iSCSI CentOS target

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## Introduction

In today's exercise, we'll learn how to connect local disks into RAID system onto which we will install CentOS using **PXE boot** option.

## Before exercise

1. Use HW server that is given to You
2. Connect network cables for iLO and PXE boot (plugin 1st network and iLO interface). Connect power cord also.

## Tasks

First part is starting installation of CentOS.

1. During boot choose Network PXE boot. Choose **Centos** option during boot.
2. Login with account **root** and password **centos**
3. Use **nmtui** to configure provided IP address with subnet mask of 24 bit and **GW 10.10.7.254, DNS1 10.10.7.253 DNS2 8.8.8.8**
4. Hostname should be like **target-xz.centos.local**
5. Setup **sshd** access to server and test it.
6. Using **putty** login to server from desktop and configure iSCSI target

Second part is configuring iSCSI target

1. Install **targetcli**
2. Create and provide **/root/disk1.img** with size of **10G** as LUN to your desktop machine (check what your **iqn** is for desktop pc).
3. Test connectivity with you iSCSI initiator to **CentOS** iSCSI target.
4. Clean UP iSCSI initiator on desktop PC.