Introduction to Linux Installation

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LINUX SYSTEM ADMINISTRATOR

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Overview

Overview

Background

Overview

Background

Configuration options

Overview

Background

Configuration options

Install:

Overview

Background

Configuration options

Install:

— **PC**

Overview

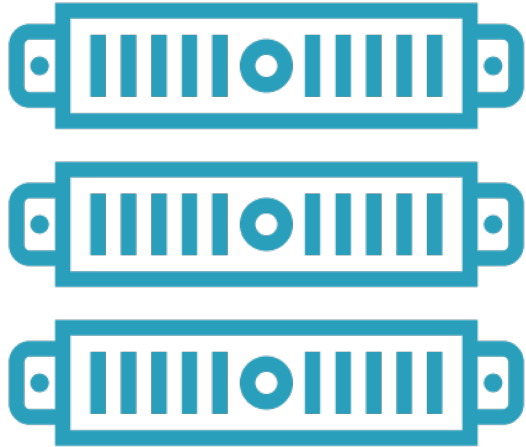**Background**
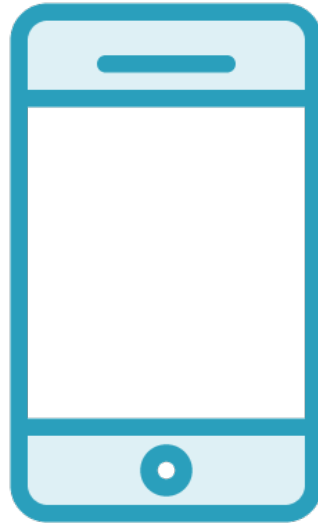
Configuration options

Install:

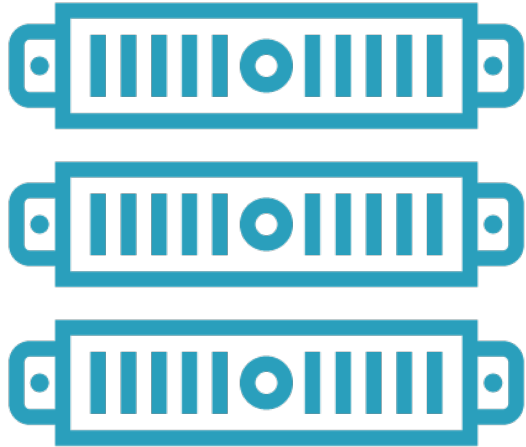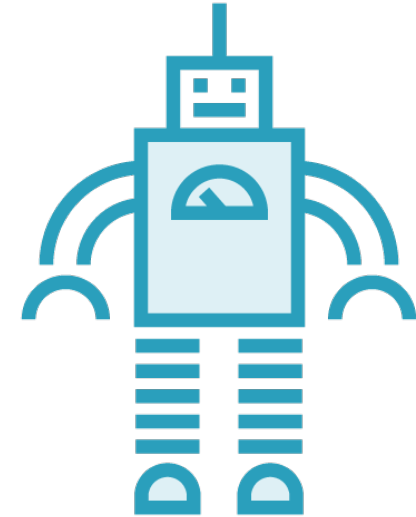- **PC**

- **Cloud/Docker instances**
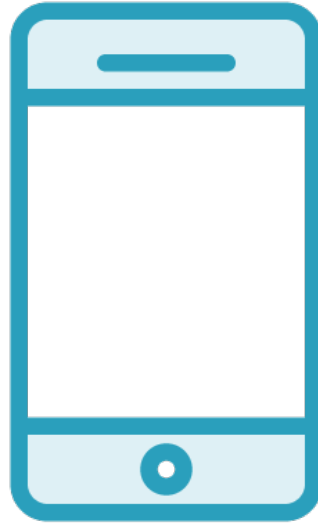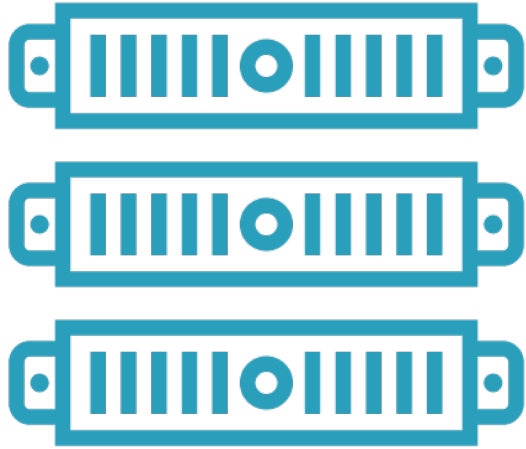
Linux Installation Targets

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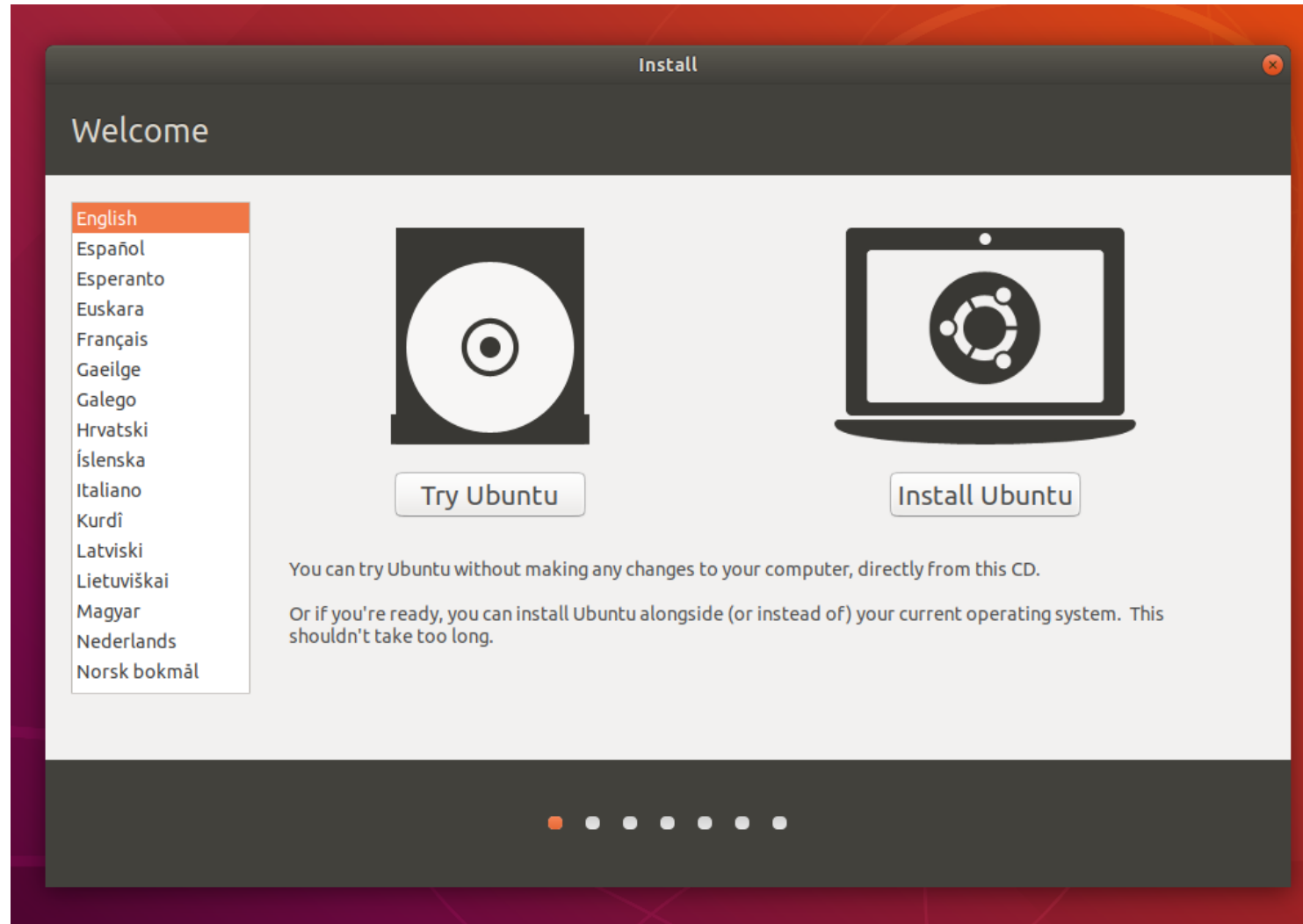
Linux Installation Targets

Dockerfile Script

```
FROM ubuntu:latest
MAINTAINER D Clinton
info@bootstrap-it.com
RUN apt-get update
RUN apt-get install -y apache2
ADD index.html /var/www/html/
CMD /usr/sbin/apache2ctl -D
FOREGROUND
EXPOSE 80
```

Installation-time Decisions

Language Selection

Location Selection

Install

Where are you?

New York

Back   Continue

Create User

Update Network Settings

Single Partition Install

```
ubuntu@base:~$ df -h
Filesystem          Size   Used  Avail  Use%  Mounted on
/dev/sdb4           192G    16G   167G    9%  /
none                492K      0   492K    0%  /dev
udev                3.5G      0   3.5G    0%  /dev/tty
tmpfs               100K      0   100K    0%  /dev/lxd
tmpfs               100K      0   100K    0%  /dev/.lxd-mounts
tmpfs               3.6G      0   3.6G    0%  /dev/shm
tmpfs               3.6G   144K   3.6G    1%  /run
tmpfs               5.0M      0   5.0M    0%  /run/lock
tmpfs               3.6G      0   3.6G    0%  /sys/fs/cgroup
```

Single Partition Install

```
ubuntu@base:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sdb4       192G   16G  167G   9% /
none            492K     0  492K   0% /dev
udev            3.5G     0  3.5G   0% /dev/tty
tmpfs           100K     0  100K   0% /dev/lxd
tmpfs           100K     0  100K   0% /dev/.lxd-mounts
tmpfs           3.6G     0  3.6G   0% /dev/shm
tmpfs           3.6G  144K  3.6G   1% /run
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           3.6G     0  3.6G   0% /sys/fs/cgroup
```

Single Partition Install

```
main@workstation:~$ df -ht ext4
Filesystem          Size  Used Avail Use% Mounted on
/dev/sda1           110G  6.7G   98G   7% /
/dev/sdb5           192G   60G  123G  33% /home
/dev/sdb4           192G   16G  167G   9% /var
```

Single Partition Install

```
main@workstation:~$ df -ht ext4
Filesystem       Size   Used  Avail  Use% Mounted on
/dev/sda1        110G   6.7G   98G    7% /
/dev/sdb5        192G    60G   123G  33% /home
/dev/sdb4        192G    16G   167G   9% /var
```

Single Partition Install
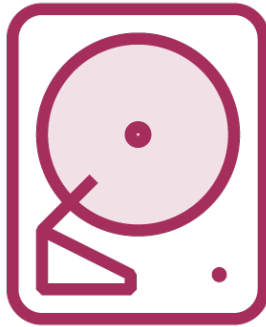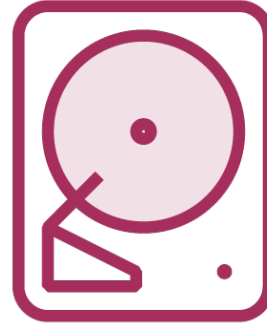
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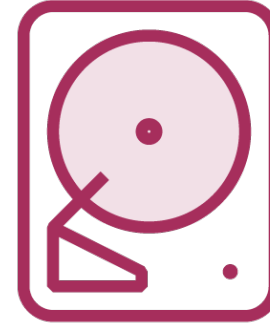
Logical Volume Manager (LVM)

1TB

250GB

500GB

Logical Volume Manager (LVM)

Volume Group (VG) – 1.75TB

1TB

500GB

250GB

Logical Volume Manager (LVM)

Volume Group (VG) – 1.75TB

Logical Volume 1 – 1.4TB | LV 2 - 350GB

1TB

500GB

250GB

Logical Volume Manager (LVM)

Volume Group (VG) – 1.75TB

| Logical Volume 1 – 1.0TB | LV 2 - 750GB |

1TB

500GB

250GB
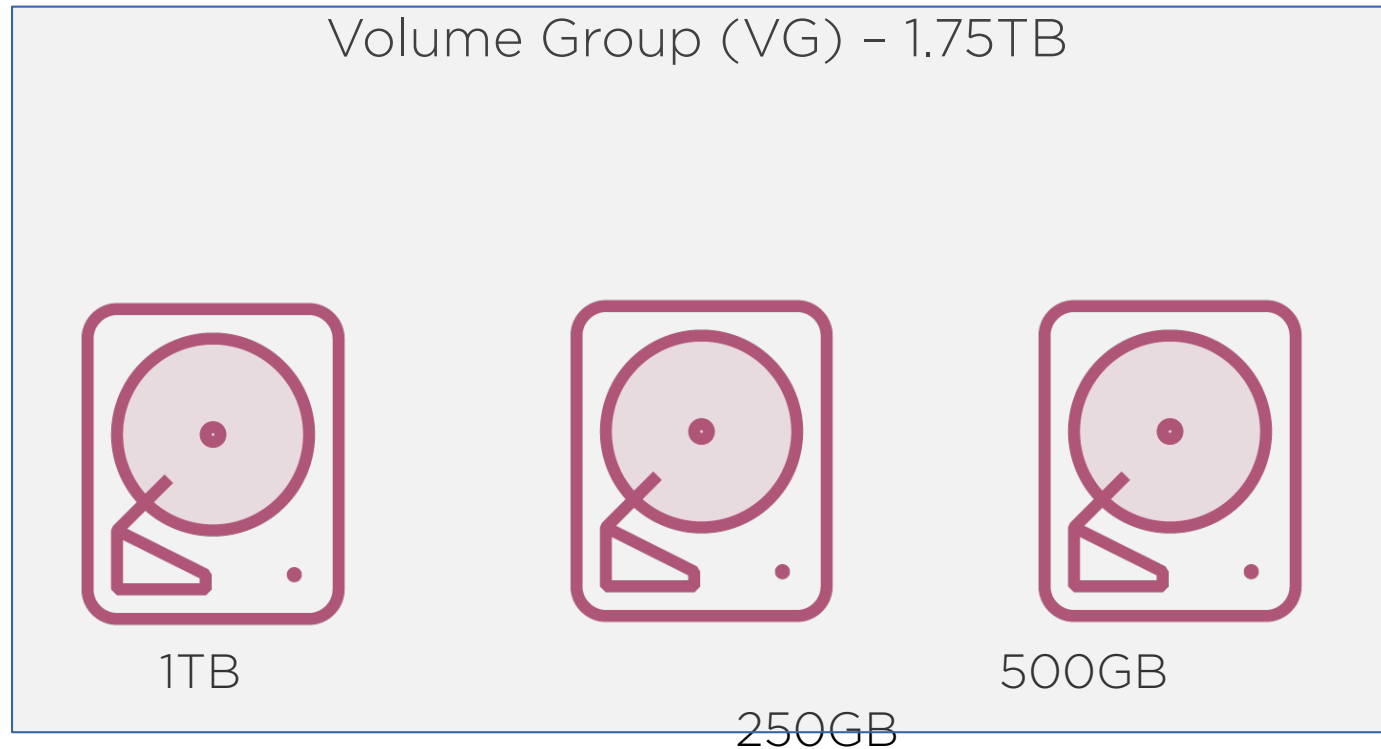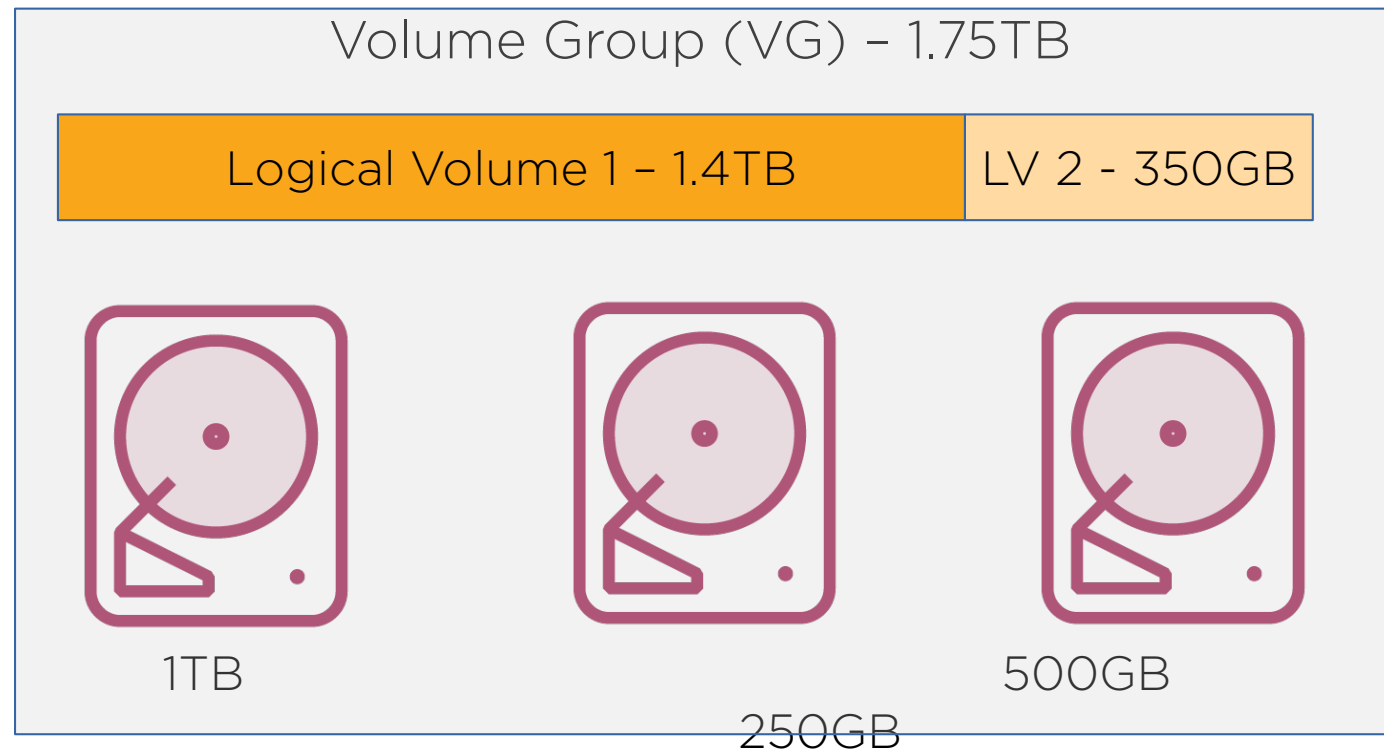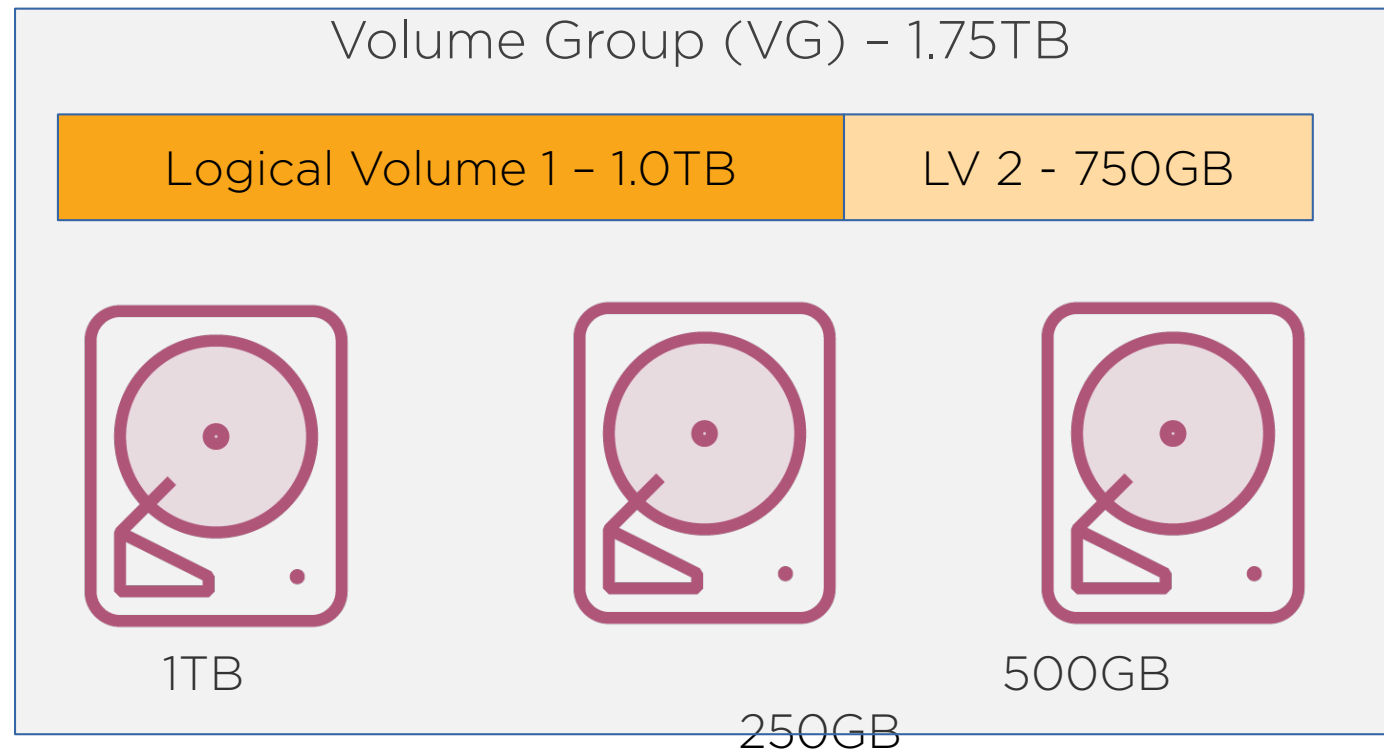
Installing Ubuntu Desktop

Installing Scripted Instances

Review

Review

Managing scope

Review

Managing scope

Installation configuration

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Installation configuration

Logical Volume Manager

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Installing from Linux images

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Installing from Linux images

Controlling the install process

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AWS Elastic Beanstalk

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Docker