

A landscape photograph featuring a vast, flat field of bright yellow flowers, likely rapeseed, under a clear blue sky. A single, dark green tree stands isolated on the horizon line. Large, white, fluffy clouds are scattered across the sky, with a particularly large one on the right side. The overall scene is bright and open.

Cloud Computing

Software Freedom Day - 2012

~ Agenda ~

- + Definition
- + The What?
- + The Why?
- + The Who?
- + The How ?
- + Q & A

+ Definition

A computing model where
virtualized computing resources
are provided **as a service**
over the Internet via **API calls**.

+ What is cloud?

- + Simple Analogy

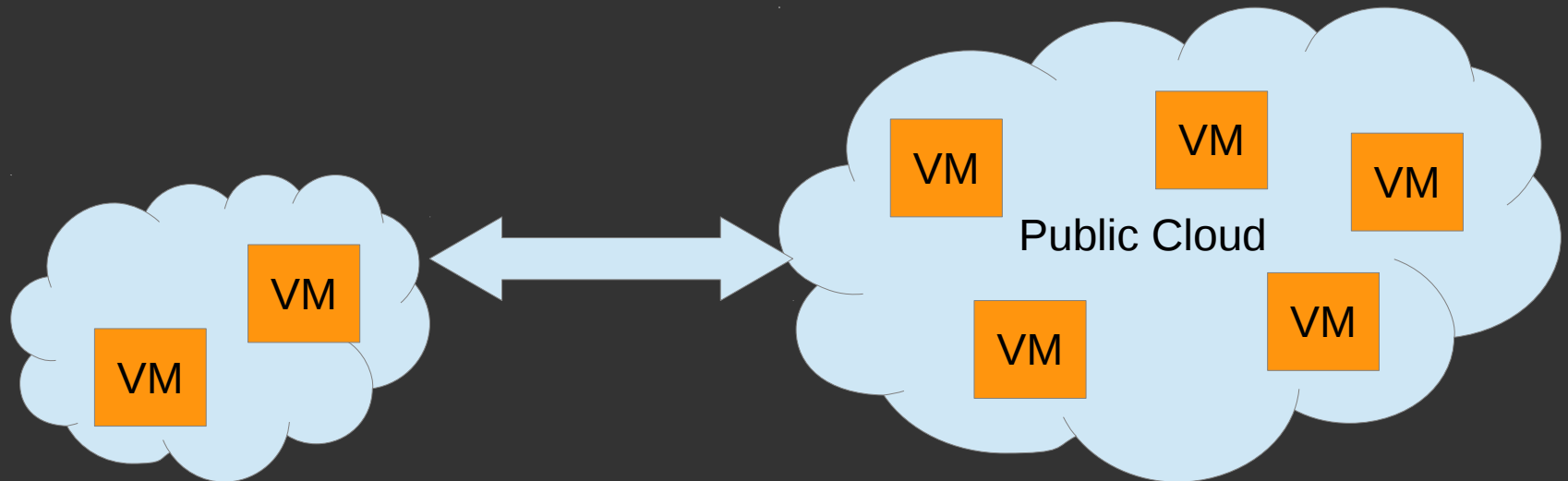
- + Differences from Virtualization

- + Features

- Pay-per-use
- Elasticity or Scalability
- Resource Abstraction
- Self Service
- High availability

+ Types of Cloud

- + Public
- + Private
- + Hybrid



+ Why do we need Cloud

- + Handling heavy work-loads
- + Unexpected fluctuations
- + Ensuring Availability

+ Who are the major players

- + Amazon AWS

- + Rackspace Cloud

- + Private Cloud??

 - Eucalyptus

 - OpenStack

+ Nuts and Bolts of Cloud

- + Computation
- + Storage (Block and Flat)
- + Networking
- + Imaging Service
- + Web Service
- + Dashboard?

OpenStack

+ Questions?