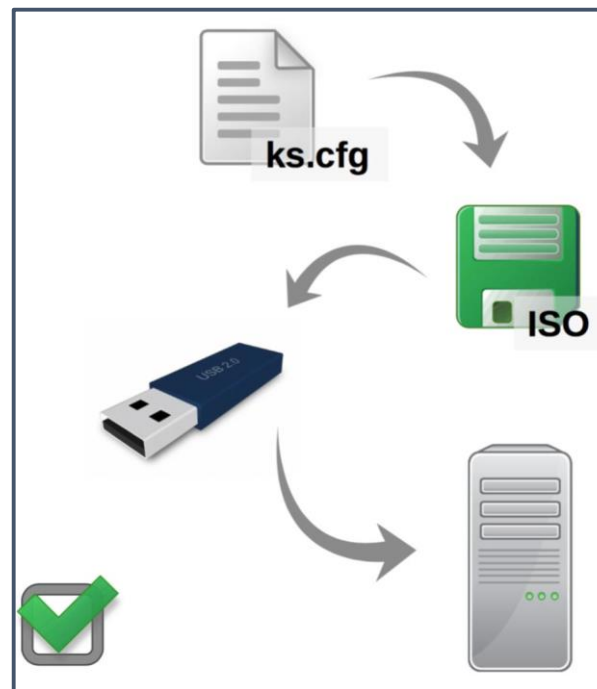


# A modular (almost) automatic set-up for elastic multi-tenants cloud (micro)infrastructures

## Automatic set-up

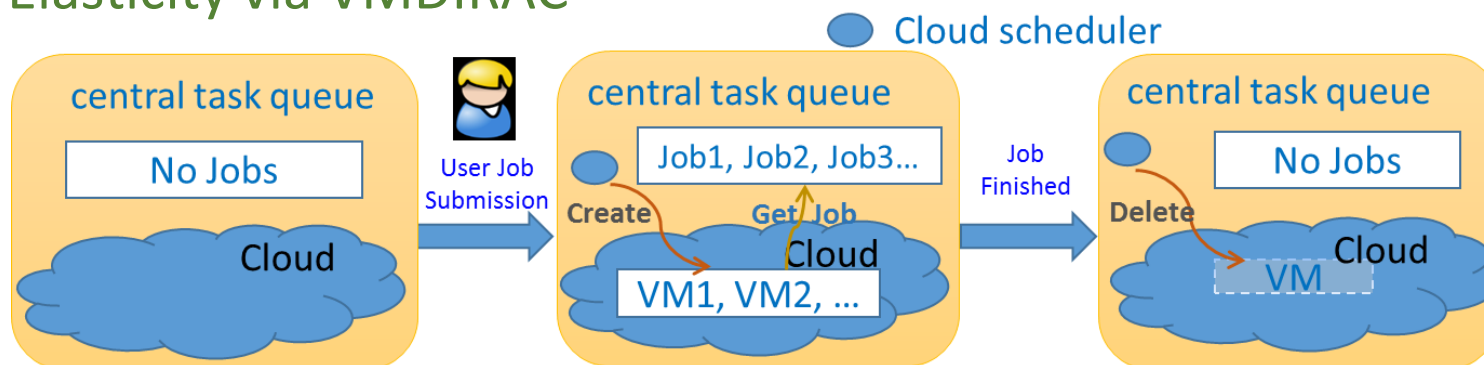
- ✓ Create kickstart file
- ✓ Prepare customized ISO
- ✓ Make bootable usb drive
- ✓ Install on server
- ✓ Test the installation



## Ingredients for an 1h setup

- ✓ automatic hypervisor setup
  - OpenNebula
  - squid proxy
  - rOCCI
- ✓ automatic WN setup
- ✓ full custom ISO for tenants
  - repository for VM(QCOW2)/templates
- ✓ minimal OS installation
- ✓ contextualisation via CVMFS

## Elasticity via VMDIRAC



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## Modular approach

- ✓ Exploits easy automatic set-up
- ✓ Two OpenNebula:
  - remote VMDIRAC drives the “private” ON
  - the “private” ON interfaces with the “public” CI

## Full control by tenants consortium

- ✓ tenants in the “private” OpenNebula:
  - can dynamically change quotas
  - needs no admin to the “public” OpenNebula
- ✓ CI quota for the consortium defined by admin

of “public” OpenNebula

