

Openstack Administration

This course will you to install a proof-of-concept, configure, use, and maintain Red Hat OpenStack Platform, covering identity (Keystone), block storage (Cinder), image (Glance), networking (Neutron), compute and controller (Nova), and dashboard (Horizon). You will also learn to implement a cloud computing environment using the current OpenStack Platform, including installation, configuration, and maintenance.

Who is Openstack Administration for?

IT Administrators, Cloud Computing Professionals, Professionals who want to implement and manage private cloud, Linux Administrators who wants to implement the next level of automation to manage infrastructure, System Administrators, Opensource technology enthusiasts

Benefits

Openstack is opensource and is the MOST POPULAR cloud platforms used by enterprises..

Openstack is supported by great companies and has the potential to dominate the market furrher..

OpenStack is well documented, it has a huge community behind it willing to help out, and there are tools that will help you in your journey..

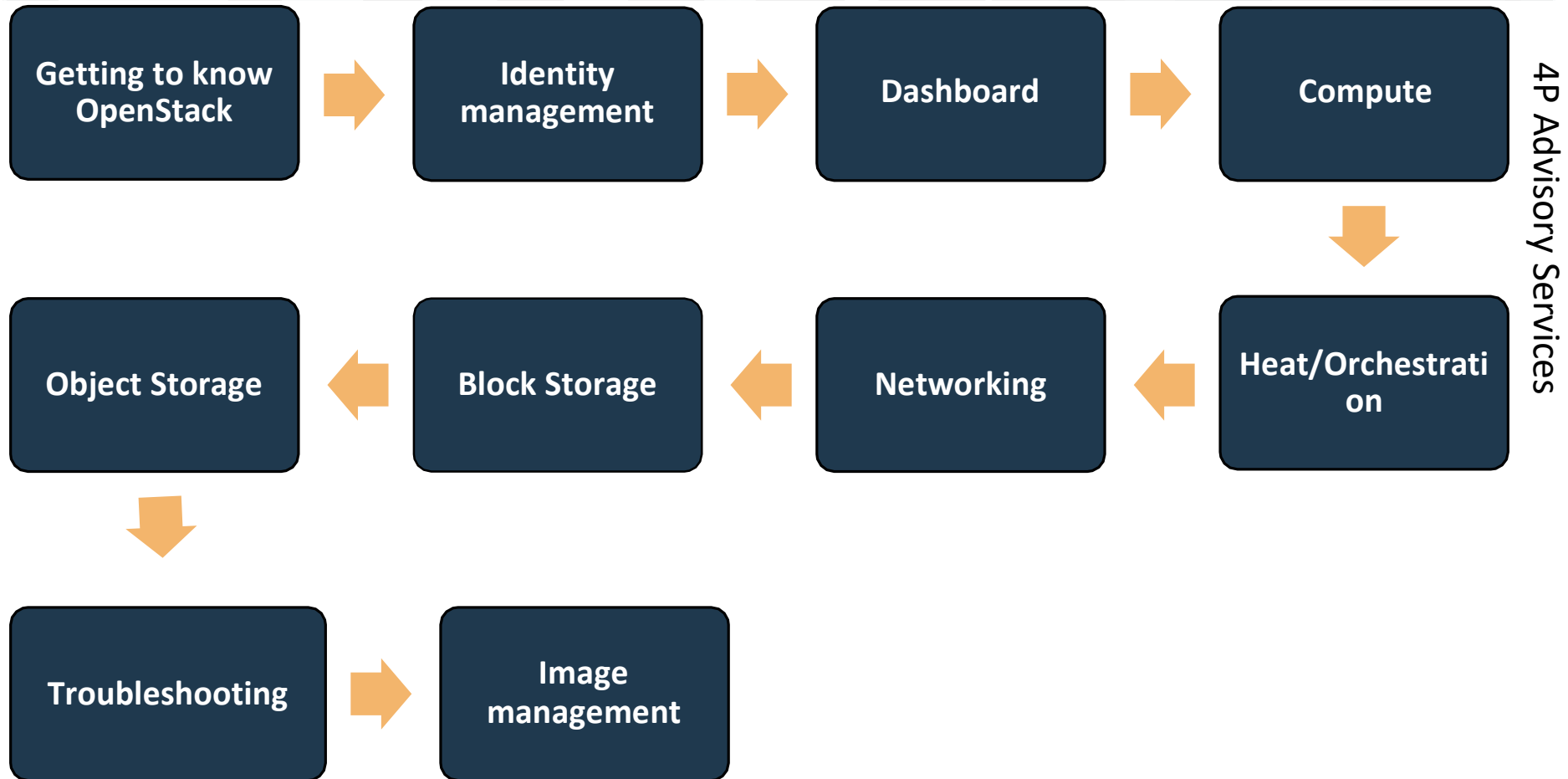
78% of businesses are using open source software such as OpenStack to support some or all of their operations. Even if your area of expertise is in software development (more dev than ops), you will most likely end up writing applications that will run on OpenStack!.

There are plenty of options in the market. Cloud engineers make more than non-cloud engineers. OpenStack engineers make more than other cloud engineers (around 30% more, give or take).

4P Advisory Services

Course Outline

The contents might change without notice, based on technological changes and client requirements.



Outline

- Session 1
- Introduction to Virtualization
- Business need & technology
- Session 2
- Hypervisor Architecture
- Hypervisor Deep Dive
- Type II- Hands-on
- Virtual Box (or) VMware Workstation
- Type I – Introduction & Architecture
- VMware VSphere (or) Citrix XenServer (or) MS Hyper-V or RHEV

Outline

- Session 1
 - Type I Hands-on
 - Type I Deep dive
 - VM Management
 - Host Management
 - High availability & advanced features
- Session 2
 - Introduction to Cloud
 - Characteristics & Models
 - Introduction to Public Cloud Architecture
 - AWS/Azure Architecture

Outline

- Session 1
- Public IaaS compute service
- Instance Management
- Networking
- Load balancing
- Session 2
- IaaS storage service
- Object storage
- Block storage
- Public PaaS (Beanstalk/GAE/Azure)
- Demo/Hands-on
- Other services

Outline

- Session 1
- Introduction to Private Cloud Architecture
- Openstack/Azure/Vcloud
- Implementation Scripted/Automated
- Identity Management

- Session 2
- Object storage
- Block storage
- Image service
- Other services

Outline

- Session 1
- Cloud Architecture Best practices
- Design for failure
- De/Lose Coupling
- Service Oriented Architecture
- Multi-tenant Systems
- Session 2
- Cloud Security Introduction
- Top threats in Cloud
- Risks & Mitigation
- Security Best Practices

Prerequisites for the EXAM

It is recommended that you have previous Linux Administration skills.

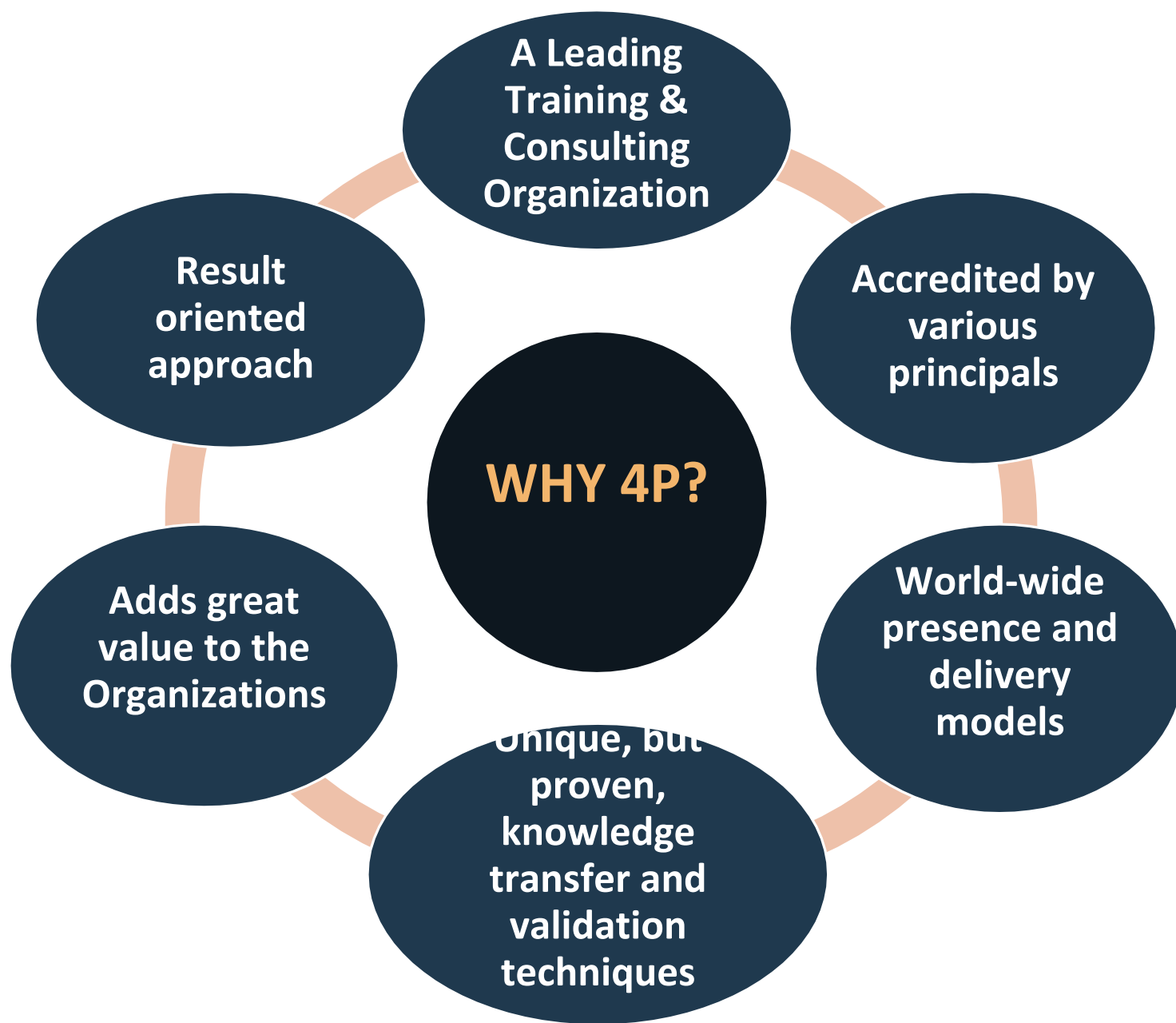
Exam Details

An internal exam may be conducted for evaluating the participant's knowledge.
Optional Exam:

The Certified OpenStack Administrator is a professional typically with at least six months OpenStack experience.

Exam cost: \$300

More information: <https://www.openstack.org/coa/>



JOIN NOW!

>>Contact: info@4pa.in