



Certification Exam for **OpenStack** Professionals

OPCEL

[**O**penStack **P**rofessional **C**ertification **E**xam by **L**PI-JAPAN]

Prove you can Deploy, Operate, and Manage OpenStack!



What is OPCEL ?

- **OPCEL stands for OpenStack Professional Certification Exam by LPI-Japan.**
- **OPCEL is the certification exam program for IT professionals which certifies the technical ability and knowledge of OpenStack properly and strictly from a vendor and distribution neutral perspective.**
- **OPCEL is provided by LPI-Japan which distributes “LPIC”, the most popular IT certification in Japan.**
- **Certified professionals have the skill and knowledge required to Deploy, Operate, and Manage OpenStack based IT infrastructure.**
- **By hiring the certified professionals, the companies or organizations can assure that they have the business advantage in the cloud technology area.**



Exam Overview

- 60 questions in 90 minutes
- CBT (Computer Based Testing)
- Multiple choice & Fill in the blank
- Target OpenStack Version: Kilo
- Exam fee: 30,000 yen (w/o tax) in Japan
- Passing score: about 60%
- Prerequisites: none
- We recommend candidates review the objectives to determine their preparedness but a general guideline is:
 - skill level equivalent to “LPIC level 1”
 - experience in OpenStack



Objectives of OPCEL

Main Topic	Topic	weight
OpenStack Architecture and Deployment	- Cloud Computing Concepts	3
	- OpenStack Architecture and Design	5
	- OpenStack Installation and Deployment	5
Integral Management Services	- Identity Service, Authentication and Authorization (Keystone)	6
	- Dashboard (Horizon) and RESTful APIs	2
	- Telemetry (Ceilometer)	3
	- Orchestration (Heat)	3
Images and Data Storage	- Image Service (Glance)	5
	- Image Creation	4
	- Block Storage (Cinder)	5
	- Object Storage (Swift)	5
Networking and Computing	- Networking Service (Neutron)	6
	- Compute Service (Nova)	6
	- Bare Metal Provisioning (Ironic)	2

Once you are certified

- When you pass “OPCEL”, it means you are certified as “OPCEL Certified Professional”.
- Certified professionals will receive the paper certificate and the plastic certification card.



Paper certificate



Plastic certification card

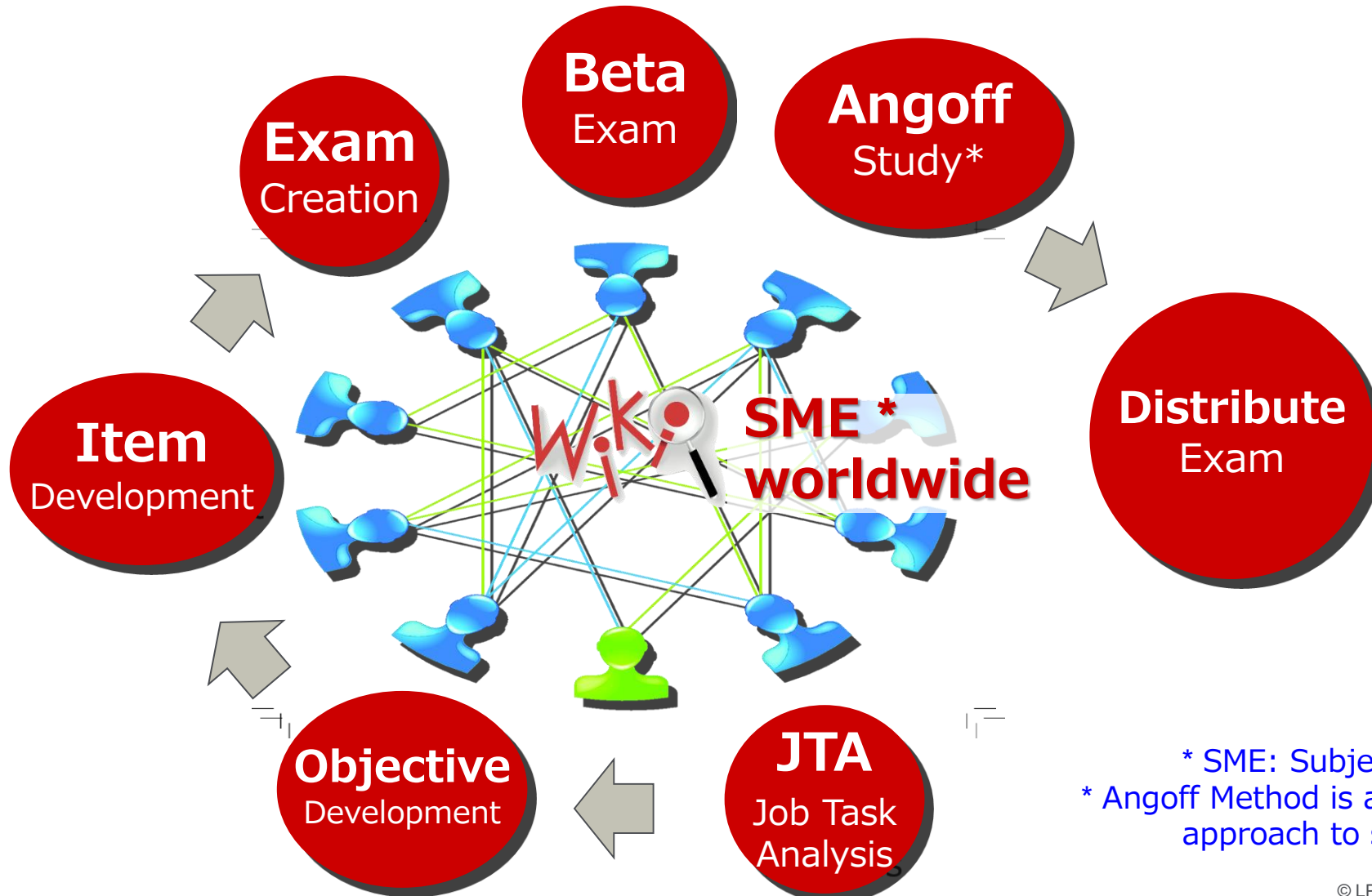


Logo for
Certified professional

- Active certification status (Recertification policy):
To **RETAIN** an **ACTIVE** certification status, a certification holder is **REQUIRED** to be recertified within **3 years** from the certified date.

How was OPCEL developed ?

Developed by the community of OpenStack experts internationally



* SME: Subject-matter Experts
* Angoff Method is a standard-setting approach to set passing score.

Why OPCEL ?

The following issues are often encountered during the expansion of the cloud market.

- Development of engineering resources is not keeping pace with demand.
- Difficult to ensure high level cloud engineers.
- Showing the differentiation with other companies is difficult because companies can not prove the advantage of the technical level of your employees.

2015 Linux Job Report by Linux Foundation

“42 percent of hiring managers say that experience in **OpenStack** and **CloudStack** will have a major impact on their hiring decisions.”



Advantage of being certified as OPCEL Certified Professional

OPCEL proves that a certified professional has the following skills and knowledge.

- **Knowledge of OpenStack**
- **Can design and deploy an OpenStack based system**
- **Can operate and manage an OpenStack based system**
- **Is familiar with the internal structure of OpenStack**
- **Can optimize the performance of an OpenStack based system**
- **Can verify the use and condition of an OpenStack based system**
- **Can troubleshoot an OpenStack based system**

Suitable for

- **Engineers who work at cloud service providers, system integrators, enterprises that deploy, operate, and manage private cloud systems**
- **Training in-house IT professionals and individuals responsible for the development and operation of an organization's service infrastructure**
- **People in charge of IT systems who are considering the migration of their organization's internal IT infrastructure onto a cloud platform**
- **Individuals wishing to advance their careers as cloud infrastructure engineers**



More Information

Website

<https://opcel.org>

Twitter

[@lpi_japan](https://twitter.com/lpi_japan)

Facebook

<https://www.facebook.com/lpijapan>

Schedule

Pearson VUE

http://www.pearsonvue.com/japan/IT/opcel_index.html

FAQ

<https://www.opcel.org/faq/>



<https://opcel.org>

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Open the Future with OPCEL.