

DefCore Board Report

Meeting July 28, 2015

Rob Hirschfeld & Egle Sigler Co-Chairs

20 minutes

- 2015.07 Guideline Approval
- Refstack demo
- Flagging Update
- Hot Topics: Networking & Glance
- General Update

We are asking the board to approve 2015.07 Guidelines

Executive Summary

Overall, we are making progress; however, many issues remain ahead to resolve. Since the original guideline, we have made only incremental changes. Sections of OpenStack remain outside of DefCore that should likely be covered (like networking) and many tests have been removed (flagged) from consideration.

It will ultimately come back to the Board to either tighten requirements to improve operability or adapt DefCore to allow incompatible implementations of OpenStack to be certified as interoperable.

DefCore 2015.07 Guideline Approval

See Appendix

Noteworthy Changes:

- Identify (Keystone) Capabilities Added to Swift
- Schema change (v1.3)
 - Improves identification of tests
 - Makes it easier to track flagged tests
 - Minimal impact to past schemas
- Capabilities (same as 2015.05) were subdivided for easier management
- Next *expected* Board Guideline will be 2016.01 (as per 2015A Schedule)

Resolution: Board approves the DefCore 2015.07 Guideline process captured in <https://review.openstack.org/#/c/203474/>

2015.05	2015.07
Compute Component	
Identity-auth (keystone)	identity-v2-tokens-create (Keystone) identity-v3-tokens-create (Keystone)
Compute-auth (nova)	compute-auth-create (Nova) compute-auth-get (Nova) compute-auth-set (Nova)
Compute-images (nova)	compute-images-create (Nova) compute-images-delete (Nova) compute-images-get (Nova) compute-images-list (Nova)
Compute-instance-actions (nova)	compute-instance-actions-get (Nova) compute-instance-actions-list (Nova)
Compute-keypairs (nova)	compute-keypairs-create (Nova)
Compute-quotas (nova)	compute-quotas-get (Nova)
Compute-servers (nova) & Compute-flavors (nova)	compute-servers-change (Nova) compute-servers-create (Nova) compute-servers-delete (Nova) compute-servers-get (Nova) compute-servers-host (Nova) compute-servers-invalid (Nova) compute-servers-list (Nova) compute-servers-lock (Nova) compute-servers-name (Nova) compute-servers-reboot (Nova) compute-servers-rebuild (Nova) compute-servers-resize (Nova) compute-servers-stop (Nova) compute-servers-update (Nova) compute-servers-verify (Nova) compute-servers-metadata-delete (Nova) compute-servers-metadata-get (Nova) compute-servers-metadata-list (Nova) compute-servers-metadata-set (Nova) compute-servers-metadata-update (Nova)
Compute-volume (nova)	compute-volume-attach (Nova) compute-volume-get (Nova) compute-volume-list (Nova)
Images-v2 (nova)	images-v2-index (Nova)

Object Component	
Objectstore-object (swift)	objectstore-object-access (Swift) objectstore-object-copy (Swift) objectstore-object-create (Swift) objectstore-object-delete (Swift) objectstore-object-get (Swift) objectstore-object-put (Swift) objectstore-object-upload (Swift) objectstore-object-versioned (Swift) objectstore-temp-url-get (Swift)
[no identity capabilities]	identity-v2-tokens-create (Keystone) identity-v3-tokens-create (Keystone)

Major Topics

- It is important to note that we are flagging nearly A SIGNIFICANT PERCENT of the total tests. Since we have not added new capabilities, the total number of tests is static. One benefit of 2015.07 is that 2015.04 will no longer be available for certification. Happily, the flag trend is downward:
 - 2015.04: 47/127 = 37%
 - 2015.05: 32/127 = 25%
 - 2015.07/2015.next: 23/129 = 18% (anticipated)
- Networking - OpenStack currently supports multiple, mutually exclusive networking stacks. We need to work with the technical community to determine the best path forward for interoperable networking in the future. This item will be discussed at our mid-cycle meeting this week with the Nova and Neutron PTL's.
- Glance - there are concerns about how we will handle version changes in the Glance API.
- We have postponed non-Tempest tests for this cycle.
- For flagging, we've agreed to add new flags incrementally so that we can discuss them with specific examples.
- We have made progress defining the flagging process.

Mid Cycle Meeting

Objective: Plan how new capabilities will be added/addressed

Link to Agenda: <https://etherpad.openstack.org/p/DefCoreFlag.MidCycle>

Cycle Updates / Objectives

- Changed meetings to primarily IRC
- Attempted alternating meetings, choose to revert to US/EU focused time."
- From May:
 - DID NOT ACCOMPLISH > FEWER MEETINGS (regular schedule, perhaps bi-weekly or less)
 - DID NOT > Merge Meetings (Capabilities will be "normal agenda") decided to hold separate meetings after midcycle.
 - Need to clarify Board membership on roster
 - visit: <http://wiki.openstack.org/wiki/Governance/DefCoreCommittee>
 - Hot Topics for "Flag" Cycle
 - CHOSE TO DELAY > Tests outside of Tempest
 - HAVE NOT RESOLVED > Overlapping APIs (optional components in platform)
 - HAVE NOT DISCUSSED > Implementation vs API (Go in Swift?)

OpenStack DefCore 2015.07

Status: TO BE... approved

Replaces: 2015.05

JSON Master: <http://git.openstack.org/cgit/openstack/defcore/tree/2015.07.json>

This document outlines the mandatory capabilities and designated sections required to exist in a software installation in order to be eligible to use marks controlled by the OpenStack Foundation.

This document was generated from the master JSON file referenced above.

Releases Covered

Applies to Icehouse, Juno, Kilo

Platform Components

Required: Compute, Object

Advisory: None

Deprecated: None

:

Removed: None

Compute Component Capabilities

Required Capabilities

- identity-v2-tokens-create (Keystone)
- identity-v3-tokens-create (Keystone)
- compute-auth-create (Nova)
- compute-auth-get (Nova)
- compute-auth-set (Nova)
- compute-images-create (Nova)
- compute-images-delete (Nova)

- compute-images-get (Nova)
- compute-images-list (Nova)
- compute-instance-actions-get (Nova)
- compute-instance-actions-list (Nova)
- compute-keypairs-create (Nova)
- compute-quotas-get (Nova)
- compute-servers-change (Nova)
- compute-servers-create (Nova)
- compute-servers-delete (Nova)
- compute-servers-get (Nova)
- compute-servers-host (Nova)
- compute-servers-invalid (Nova)
- compute-servers-list (Nova)
- compute-servers-lock (Nova)
- compute-servers-name (Nova)
- compute-servers-reboot (Nova)
- compute-servers-rebuild (Nova)
- compute-servers-resize (Nova)
- compute-servers-stop (Nova)
- compute-servers-update (Nova)
- compute-servers-verify (Nova)
- compute-volume-attach (Nova)
- compute-volume-get (Nova)
- compute-volume-list (Nova)
- images-v2-index (Nova)
- compute-servers-metadata-delete (Nova)
- compute-servers-metadata-get (Nova)
- compute-servers-metadata-list (Nova)
- compute-servers-metadata-set (Nova)
- compute-servers-metadata-update (Nova)

Advisory Capabilities

None

Deprecated Capabilities

None

Removed Capabilities

None

Object Component Capabilities

Required Capabilities

- objectstore-object-access (Swift)
- objectstore-object-copy (Swift)
- objectstore-object-create (Swift)
- objectstore-object-delete (Swift)
- objectstore-object-get (Swift)
- objectstore-object-put (Swift)
- objectstore-object-upload (Swift)
- objectstore-object-versioned (Swift)
- objectstore-temp-url-get (Swift)
- identity-v2-tokens-create (Keystone)
- identity-v3-tokens-create (Keystone)

Advisory Capabilities

None

Deprecated Capabilities

None

Removed Capabilities

None

Designated Sections

The following designated sections apply to the same releases as this specification.

Required Designated Sections

- Cinder : Designated sections are the API implementation code
- Glance : Designated sections are the API implementation code and domain model.
- Keystone : Designation is outlined per API grouping. Identity (user and group) management APIs will not be designated. API access (with exception of auth) may be

prohibited by policy (resulting in HTTP 403). Designated APIs include both v2.0 and v3 versions where applicable.

- Nova : By default, designated except scheduler, filter, drivers, API extensions and networking.
- Swift : Designated sections are proxy server, object server, container server, account server and select middleware

Advisory Designated Sections

None

Deprecated Designated Sections

None

Removed Designated Sections

None