

DefCore Board Report

Meeting October 26, 2015

Rob Hirschfeld & Egle Sigler Co-Chairs

30 minutes

- General Updates [5 minutes]
- 2015B Process Approval [5 minutes]
- Draft Review Capabilities Changes for 2016.01 [10 minutes]
- Discussion (time permitting) [10 minutes]
 - Concerns on Advisory status
 - Using DefCore as API police

General Updates

- Weekly IRC meetings with good attendance.
- Using Gerrit for all reviews including scoring.
- Lots of feedback and discussions on newly scored capabilities.
- Community engagement (including PTLs) is very high and growing.
- Refstack project (now big tent) is coming along to support DefCore mission.

2015B Process Update (request to approve)

Mainly procedural changes:

1. Define use of “widely adopted” for components as different than the platform.
2. Remove year in .next file (so next guideline is next.json not 2016.next.json)
3. Clarify Guideline State Language (draft, review, approved, superseded)
4. Only Two Approved Guidelines at a time
5. Require Vendors to submit configurations

Reference:

Doc: <http://git.openstack.org/cgiit/openstack/defcore/tree/doc/source/process/2015B.rst>

Patch <https://review.openstack.org/236729>

Presentation of 2016.1 Draft

This is for review, NOT for approval. Approval will be requested at the 2016.01 Board meeting.

All new Capabilities were added to Compute Component. Changes in **bold**

2015.07	2016.01
Compute	
<p>identity-v2-tokens-create (Keystone) identity-v3-tokens-create (Keystone)</p> <p>compute-auth-create (Nova) compute-auth-get (Nova) compute-auth-set (Nova)</p> <p>compute-images-create (Nova) compute-images-delete (Nova) compute-images-get (Nova) compute-images-list (Nova)</p> <p>compute-instance-actions-get (Nova) compute-instance-actions-list (Nova)</p> <p>compute-keypairs-create (Nova)</p> <p>compute-quotas-get (Nova)</p> <p>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)</p> <p>compute-servers-metadata-delete (Nova) compute-servers-metadata-get (Nova) compute-servers-metadata-list (Nova) compute-servers-metadata-set (Nova)</p>	<p><- deprecated identity-v3-tokens-create (Keystone)</p> <p>compute-auth-create (Nova) compute-auth-get (Nova) compute-auth-set (Nova)</p> <p>compute-images-create (Nova) compute-images-delete (Nova) compute-images-get (Nova) compute-images-list (Nova)</p> <p>compute-instance-actions-get (Nova) compute-instance-actions-list (Nova)</p> <p>compute-keypairs-create (Nova)</p> <p>compute-quotas-get (Nova)</p> <p><- had only flagged tests, removed 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)</p> <p>compute-servers-metadata-delete (Nova) compute-servers-metadata-get (Nova) compute-servers-metadata-list (Nova) compute-servers-metadata-set (Nova)</p>

<p>compute-servers-metadata-update (Nova)</p> <p>compute-volume-attach (Nova) compute-volume-get (Nova) compute-volume-list (Nova)</p> <p>images-v2-index (Nova)</p>	<p>compute-servers-metadata-update (Nova)</p> <p>compute-volume-attach (Nova) compute-volume-get (Nova) compute-volume-list (Nova)</p> <p>images-v2-index (Nova)</p> <p>ADVISORY: networks-floating-ips-CRUD-and-associate (Neutron) networks-l3-router (Neutron) networks-l2-CRUD (Neutron) networks-l3-CRUD (Neutron) networks-security-groups-CRUD (Neutron) compute-list-api-versions (Nova) images-v2-remove (Glance) images-v2-update (Glance) images-v2-share (Glance) images-v2-import (Glance) images-v2-list (Glance) images-v2-delete (Glance) images-v2-get (Glance) volumes-v2-create-delete (Cinder) volumes-v2-attach-detach (Cinder) volumes-v2-snapshot-create-delete (Cinder) volumes-v2-get (Cinder) volumes-v2-list (Cinder) volumes-v2-update (Cinder) volumes-v2-copy-image-to-volume (Cinder) volumes-v2-copy-volume-to-image (Cinder) volumes-v2-clone (Cinder) volumes-v2-qos (Cinder) volumes-v2-availability-zones (Cinder) volumes-v2-extensions (Cinder) volumes-v2-metadata (Cinder) volumes-v2-transfer (Cinder) volumes-v2-reserve (Cinder) volumes-v2-readonly (Cinder) identity-v3-api-discovery (Keystone)</p>
<p>Object</p>	
<p>objectstore-object-access (Swift) objectstore-object-copy (Swift) objectstore-object-create (Swift)</p>	<p>objectstore-object-access (Swift) objectstore-object-copy (Swift) objectstore-object-create (Swift)</p>

<p>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)</p> <p>identity-v2-tokens-create (Keystone) identity-v3-tokens-create (Keystone)</p>	<p>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)</p> <p><- deprecated identity-v3-tokens-create (Keystone)</p>
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Details presented at end of report.

Discussion: Seeking Guidance on Advisory Status

Current discussion on API versioning is trying to find a balance between leading and trailing APIs. Specifically, the Keystone, Glance and Cinder APIs are in transition. Generally, the technical leaders want DefCore to require the latest versions only. This problem is made harder because of the time lag between adding to the Guideline and when it becomes required.

This is NOT a technical issue - how do we want users and vendors to interpret Advisory status?

Rob's note is that we have multiple levels of Advisory

- Advisory in .NEXT [items that are under active discussion]
- Advisory in Approved Guidelines [items that are likely to land]

Discussion: API Enforcement via DefCore

There are technical issues that are landing on DefCore.

What happens when two versions of the same API are not compatible? If incompatibility is allowed, then this becomes a DefCore problem.

Review Discussion of "All APIs must exist" via Designated Sections. Blocked API should respond with 403, rather than having no response or inconsistent responses between different providers.

OpenStack DefCore 2016.01

Status: review

Replaces: 2015.07

JSON Master: <https://review.openstack.org/#/c/236163/>

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 version](#).

Releases Covered

Applies to Juno, Kilo, Liberty

Platform Components

Required: Compute, Object

Advisory: None

Deprecated: None

Removed: None

Compute Component Capabilities

Required Capabilities

- 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-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

- networks-floating-ips-CRUD-and-associate (Neutron)
- networks-l3-router (Neutron)
- networks-l2-CRUD (Neutron)
- networks-l3-CRUD (Neutron)
- networks-security-groups-CRUD (Neutron)
- compute-list-api-versions (Nova)
- images-v2-remove (Glance)
- images-v2-update (Glance)
- images-v2-share (Glance)
- images-v2-import (Glance)
- images-v2-list (Glance)
- images-v2-delete (Glance)
- images-v2-get (Glance)
- volumes-v2-create-delete (Cinder)
- volumes-v2-attach-detach (Cinder)
- volumes-v2-snapshot-create-delete (Cinder)
- volumes-v2-get (Cinder)
- volumes-v2-list (Cinder)
- volumes-v2-update (Cinder)
- volumes-v2-copy-image-to-volume (Cinder)
- volumes-v2-copy-volume-to-image (Cinder)
- volumes-v2-clone (Cinder)
- volumes-v2-qos (Cinder)
- volumes-v2-availability-zones (Cinder)
- volumes-v2-extensions (Cinder)
- volumes-v2-metadata (Cinder)
- volumes-v2-transfer (Cinder)
- volumes-v2-reserve (Cinder)
- volumes-v2-readonly (Cinder)
- identity-v3-api-discovery (Keystone)

Deprecated Capabilities

- identity-v2-tokens-create (Keystone)
- compute-servers-change (Nova)

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-v3-tokens-create (Keystone)

Advisory Capabilities

None

Deprecated Capabilities

- identity-v2-tokens-create (Keystone)

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

- Neutron : By default, designated for all code backing required capabilities except pluggable components such as plugins, drivers, and API extensions other than those listed below.

Deprecated Designated Sections

None

Removed Designated Sections

None