

CLI commands vs REST API

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Introduction

It provides the details of the REST API used for each of the command supported.

Service Management

Helps to check the list of ONAP service deployed on a given setup and retrieve the health status.

Discovery

s.no	Feature	command	REST API	Depends-on Project
1	Report registered services	microservice-list	GET on /api/microservices/v1/services	MSB
		microservice-show	GET on /api/microservices/v1/services/{serviceName}/version/{version}/	
2	Register a service	microservice-register	POST on /api/microservices/v1/services	MSB
3	Unregister a service	microservice-unregister	DELETE on /api/microservices/v1/services/{serviceName}/version/{version}/	MSB

Health Check

s.no	Feature	command	REST API	Depends-on Project
1	Report health of registered services	microservice-status	NOT supported for Amsterdam release	MSB
2	Enable/Disable a registered services	microservice-enable	NOT supported for Amsterdam release	MSB
		microservice-disable		

External Resource Management

Helps to on-board the external system such as VIM, VNFM, EMS and SDNC and retrieve the current state of these resources.

VIM management

s. no	Feature	Command	REST API	Depends-on Project
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1	Register cloud	cloud-register	PUT on /api/aai-cloudInfrastructure/v1/cloud-regions/cloud-region/{cloud-owner}/{cloud-region-id}	A&AI/ESR
2	Un-register cloud	cloud-unregister	DELETE on /onapapi/aai/esr/v1/vims?cloudOwner=xxx&cloudRegionId=xxx	A&AI/ESR
3	Report registered clouds	cloud-list cloud-show	GET on /api/aai-cloudInfrastructure/v1/cloud-regions GET on /api/aai-cloudInfrastructure/v1/cloud-regions/cloud-region/{cloud-owner}/{cloud-region-id}	A&AI/ESR

VNFM management

s.no	Feature	command	REST API	Depends-on Project
1	Register VNFM	vnfm-register	PUT on /api/aai-vnfm/v1/vnfms/vnfm/{vnfmId}	A&AI/ESR
2	Un-register VNFM	vnfm-unregister	DELETE on /api/aai-vnfm/v1/vnfms/vnfm/{vnfmId}	A&AI/ESR
3	Report registered VNFs	vnfm-list vnfm-show	GET on /api/aai-vnfm/v1/vnfms GET on /api/aai-vnfm/v1/vnfms/vnfm/{vnfmId}	A&AI/ESR

EMS management

s.no	Feature	Command	REST API	Depends-on Project
1	Register EMS	ems-register	POST on /api/aai-ems/v1/emses/ems	A&AI/ESR
2	Un-register EMS	ems-unregister	DELETE on /api/aai-ems/v1/emses/ems/{emsId}	A&AI/ESR
3	Report registered EMSs	ems-list ems-show	GET on /api/aai-ems/v1/emses/ems GET on /api/aai-ems/v1/emses/ems/{emsId}	A&AI/ESR

Service Orchestration

Helps to deploy, instantiate and destroy a given services such as VoLTE and vCPE services

Service Life-cycle management

Deploy Launch Delete Undeploy

s. no	Feature	Command	REST API	Depends-on Project
1	Create/show Service Type	service-type-register service-type-list	PUT on /service-design-and-creation/services/service/{service-id} GET on /service-design-and-creation/services	AAI
2	Create service Instance	service-create-instance	PUT on /serviceInstances/v2	SO
3	Create VNF	service-create-vnf	POST on /serviceInstances/v2/{serviceInstanceId}/vnfs	SO
4	Create VF module	service-create-module	/serviceInstances/v2/{serviceInstanceId}/vnfs/{vnfInstanceId}/vfModules	SO
5	Report deployed services	service-list	NOT available	
6	Delete VF module	service-delete-module	DELTE on /serviceInstances/v2/{serviceInstanceId}/vnfs/{vnfInstanceId}/vfModules/{vfmoduleinstance-id}	SO
7	Delete VNF	service-delete-vnf	DELETE on /serviceInstances/v2/{serviceInstanceId}/vnfs/{vnfInstanceId}	SO
5	Delete service instance	service-delete-instance	DELETE /serviceInstnaces/v2/{serviceInstanceId}	SO
7	Remove service type	service-type-unregister	DELETE on /service-design-and-creation/services/service/{service-id}	AAI

Closed loop Management

Helps to report the policy, alarm and analytics aspect of an given service in ONAP for auto-scaling and healing of them.

Policy management

s.no	Feature	Command	REST API	Depends-on Project
1	Report policies	policy-list policy-show	Streach goal	Policy

Alarm management

s.no	Feature	Command	REST API	Depends-on Project
1	Report Alarms	alarm-list alarm-show	NOT supported for Amesterdam release	DCAE

Analytics management

s.no	Feature	Command	REST API	Depends-on Project
1	Report metrics	metrics-list	NOT supported for Amesterdam release	DCAE

Limitation

It does not support designing of the services as it involves studio. so its expected that design time artifact should be readily available for using the feature like service management.

Customer Management

Helps to manage the subscriber, who like to use the services provided by ONAP.

Customer management

s.no	Feature	Command	REST API	Depends-on Project
1	Add customer	customer-add	PUT on /business/customers/customer/{global-customer-id}	AAI
2	Delete Customer	customer-delete	DELETE on /business/customers/customer/{global-customer-id}	AAI
3	Reports registered customer	customer-list customer-show	GET on /business/customers GET on /business/customers/customer/{global-customer-id}	AAI

Subscription management

s. no	Feature	Command	REST API	Depends-on Project
1	Create Subscription	subscription-create	PUT on /business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}	AAI
2	Delete Subscription	subscription-delete	DELETE on /business/customers/customer/{global-customer-id}/service-subscriptions/service-subscription/{service-type}	AAI

VSP Distribution

s.no	Feature	Command	REST API	Depends-on Project
1	Manage Catalog service	vsp-list vsp-create vsp-upload vsp-checkin vsp-submit vsp-show	GET on <i>/vendor-software-products</i> POST on <i>/vendor-software-products</i> POST on <i>/vendor-software-products/{VSP-ID}/upload</i> PUT on <i>/vendor-software-products/{VSP-ID}/actions</i> PUT on <i>/vendor-software-products/<VSP-ID>/actions</i> GET on <i>/vendor-software-products/{VSP-ID}</i>	SDC
2	Manage service certification	catalog-service-verify catalog-service-unverify	Streach goal	SDC
3	Manage service distribution	catalog-service-distribute catalog-service-undistribute	Streach goal	SDC

Command management

Helps to discover/validate the installed ONAP Commands/schema

s.no	Feature	Command	Depends-on Project
1	Open CLI schema validation	schema-validate	CLI
2	CLI Helper	onap -h	CLI
3	Dynamic Command discovery	schema-refresh	CLI

User Authentication support

Helps to login/logout user.

s.no	Feature	Command	REST API	Depends-on Project
1	Login	serviceauth: aaf	NOT supported for Amesterdam release	AAF
2	Logout	serviceauth: aaf	NOT supported for Amesterdam release	AAF