Resource Schema (WC)

This section needs to be revisited as attributes of resources supported by our service.

This is a list of all the possible return elements from the various resource API calls which can be made. The resource field in each one below indicates on what resources these elements are present.

Tier

- description: Ranking levels from 1 - 4 according to definitions in ANSI Standard TIA-942 Telecommunications Infrastructure Standards for Data Centers.
- resource: VM, VS, Image, Instance.

softwareType

- description: The software that is on a VM.
- resource: VM.

slaSummary

- description: A summary of the agreements made between customer and service providers generally regarding what kind of services to be provided, the amount and kind of support and quality, and possibly other factors as well, all can comprise the service level agreement. Because cloud infrastructure resources span across the cloud the service agreements are not customer based agreements but service based agreements offered by the providers. For cloud computing, typically one would measure and monitor performance by customer consumption of resources, or customer experience.
- resource: VM, VS, Image, Instance.

ram

- description: The amount of RAM a VM or Instance has.
- resource: VM, Instance.

platform

- description: The URI of the image.
- resource: VM, VS, Image, Instance.

operatingSystemType

- description: The operating system that is installed on the resource.
- resource: VM, Image.

operatingSystemVersion

- description: The bit version of the OS: 32 or 64
- resource: VM, Image, Instance.

numberOfNines

- description: An availability rating for percentage of uptime for the resource. It is related to the tier level ranking and certification is provided by various consulting firms such as Uptime institute.
- resource: VM, VS, Image, Instance.

Location

- description: The geographical location of the resource.
- resource: VM, VS, Instance.

localStorage

- description: The amount of RAM storage local to the virtualMachine processor
- resource: VM, instance

cpuSpeed

- description: The speed of the processor (GHz)
- resource: VM, Instance.

cpuCount

- description: The URI of the image
- resource: VM, Instance

connectorType

- description: The connector that the resource uses to communicate with the provider
- resource: VM, image, instance

Benefits

- description: The value from using the resource from the provider
- resource: VM, VS, image, instance, softwareType, package

costPerUnit

- description: The URI of the image
- resource: VM, VS, Instance, loadBalancer, package

costUnit

- description: The URI of the image
- resource: VM, VS, Instance, loadBalancer

description

- description: A brief description of the resource
- resource: VM, VS, Image, Instance, loadBalancer, softwareType, package

DetailedDescription

- description: The full body description of the resource.
- resource: VM, VS, Image, Instance, Software, loadBalancer, softwareType, package

imageId

- description: The URI of the image
- resource: VM,

imageURI

- description: The URI of the image
- resource: VM

instanceTypeId

- description: The URI of the image
- resource: VM

instanceTypeUri

- description: The URI of the image
- resource: VM

isAvailable

- description: A true/false flag indicating if the resource is available.
- resource: VM, VS, image, instance, loadBalancer

name

- description: The name of the resource
- resource: VM, VS, instance, loadBalancer, keyPair, securityGroup, softwareType, package

provider

- description: The URI of the image
- resource: VM, VS, image, instance, loadBalancer, keyPair, securityGroup

providerId

- description: The id of the provider
- resource: VM, VS, image, instance, loadBalancer, keyPair, securityGroup

rank

- description: a 32 digit hexadecimal number associated with the resource
- resource: VM, VS, image, instance, loadBalancer, package

region

- description: A geographical region is an area within a location where the resource provider offers an instance of the resource. There can

be multiple availability zones within a region. See this reference on regions and availability zones.
- resource: VM, VS, image, instance, loadBalancer, keyPair, securityGroup

ShortDescription

- description: A "short" description of the resource
- resource: VM, VS, image, instance, softwareType, package

usageInstructions

- description: Instructions on how to use the resource
- resource: image, VM,

zone

- description: See **region** above. Availability zones exist within geographical regions for a location of a resource. They are selected for separating instances and thus ensuring a higher level of fault isolation, availability and service.
- resource: VM, VS, image, instance, loadBalancer

providerResourceId

- description: The URI of the image
- resource: image, instance, loadBalancer, VS, keyPair, securityGroup

specialOffer

- description: A flag to indicate if it is a special offer.
- resource: VS, image, instance

URI

- description: The URI of the resource. See Instances for ComputeNext's use and definition for working with its resources.
- resource: image, instance, VS, loadBalancer, keyPair, securityGroup, package

size

- description: The amount or quantity of the resource. It can be the fixed amount or over a configurable range in the case of volume storage.
- resource: VS

software

- description: Software applications or services which can be installed and configured to run on instsances of VMs. It is not to be confused with *softwareType* above. software is available in the marketplace at the same level as compute, storage and network (loadBalancers).
- resource: image

id

- description: The unique identifier for the resource.
- resource: instance, image, VM, loadBalancer, softwareType, package

operatingSystem

- description: The operating system that is on the image
- resource: Image.

category

- description: The type of software services the software package pertains to.
- resource: softwareType, package

algorithm

- description: The type of load sharing algorithm selectable for a loadBalancer.
- resource: loadBalancer

noOfNodeMandatory

- description: The minimum number of nodes required by the loadBalancer.
- resource: loadBalancer

sharedLoadBalancer

- description: A flag to indicate whether the loadBalancer is shared
- resource: loadBalancer

protocol

- description: communication protocol options for the loadBalancer: {Http port}, {SSL port}, {connect port}.

- resource: loadBalancer

logoName

- description: The name of the brand logo for a product or company
- resource: softwareType