

SOFTWARE PRODUCTS

Major Product Category - Network management software(UNSPSC-43232800)

Product category - Cloud Management & Orchestration(UNSPSC code-43232806)

Basic Information

S.No.	KEY	TYPE	RESTRICTIONS	PARAMETERS
1	Type of Software	Enumerable	Cloud Management & Orchestration	Golden
2	Type of License	Enumerable	Perpetual	Golden
3	Name of Software	Text		Mandatory
4	Name of the OEM	Text		Mandatory
5	OEM Model / Part No.	Text		Mandatory
6	Brief Product Description	Text		Mandatory
7	Software Tool Version	Text		Mandatory
8	Number of Years upto which Support is available from OEM	Enumerable	1,2,3,5	Golden

Features & Functionality Parameters

9	Required Features of Orchestrator	Enumerable	<p>1. The proposed orchestrator able to manage HCI and Hypervisor and also able to seamlessly manage the third party and open stack based cloud infrastructure through APIs</p> <p>2. Offered product to support provisioning per customer VPC/cloud provider account</p> <p>3. Offered product have Comprehensive, universal API support across all cloud platforms enabling full management of all system objects through the API (everything the UI can do)</p> <p>4. Offered product to support Policy-based orchestration with strong API support</p> <p>5. Proposed orchestrator capable to support third-party integrations through APIs for IT Service Management (ITSM) tools/products</p> <p>6. Offered product to support orchestrate third-party Load balancing and Firewall via API</p> <p>7. Ability for workflows to include financial, business, and architectural approvals</p> <p>8. Capabilities around Configuration and Change Management workflows</p> <p>9. Integration with Operating System Configuration Management Tools/Systems</p>	Golden(Multiselect)
10	Any other Feature	Text		Mandatory

Self Service Capabilities

11	Features of Self Service	Enumerable	<p>1. Service Catalog Integration</p> <p>2. Provisioning for Life Cycle Management workflows</p> <p>3. Decommissioning of Life Cycle Management workflows</p> <p>4. Extensible Capabilities to allow "Self Management" workflows (Reboot/Restart, Migrate etc.) for Life Cycle management workflow</p> <p>5. Metering, Chargeback and capability to integrate with open source accounting application</p> <p>6. Managing a broad range of compute, storage, network, and advanced resources across cloud platforms and further additional user defined networks, routers and load balancers at a minimum</p> <p>7. Automation and orchestration via both portal and API</p>	Golden(Multiselect)
12	Any other Feature	Text		Mandatory

Multi-Tenancy and User Management

13	Features of Multi-Tenancy and User Management	Enumerable	<p>1. Offered product able to manage Multi tenancy</p> <p>2. Customized Dashboards must be available to allow different customer to control the behavior and consumption of the services</p> <p>3. Model include atleast three user level for the platform (Admin/User/Monitor)</p> <p>4. All the users able to access the different clouds always through the Brokering Portal</p> <p>5. Provision for configuration of approval flows.</p>	Golden(Multiselect)
14	Any other Feature	Text		Mandatory

Reporting

15	Features of Reporting	Enumerable	<p>1. Dashboard capabilities and customization</p> <p>2. Capabilities for meta-tagging</p> <p>3. Ability to customize reports</p> <p>4. Ability to compare report time periods</p> <p>5. Capabilities around exporting of reports to multiple formats</p> <p>6. Capabilities to automate and distribute reporting</p>	Golden(Multiselect)
16	Any other Feature	Text		Mandatory

Auto scaling and Lease Management Policies

17	Features of Auto scaling and Lease Management Policies	Enumerable	<p>1. The product have the capabilities and mechanisms to migrate workloads across the different NIC Data Centers</p> <p>2. System will check continuously the load of those resources configured as scalable</p> <p>3. System will adapt automatically (upscaling, downscaling and horizontally) the amount of resources within the configured limits and intervals</p> <p>4. The offered product have user-customizable thresholds for the maximum and minimum amount of resources to be deployed, polling intervals, triggers, etc</p> <p>5. System capable to allow upscaling of those resources/services configured as planned-scalable according to a customizable yearly calendar</p> <p>6. System capable to allow orderly removing the extra resources once the planned upscaling interval has expired</p>	Golden(Multiselect)
18	Any other Feature	Text		Mandatory

Workload Scheduling

19	Features of Workload Scheduling	Enumerable	System must allow defining the service/resource lease time at deployment time	Golden
20	Any other Feature	Text		Mandatory

Datacenter Automation Management

21	Datacenter Automation Management Feature 1	Enumerable	<p>1. Offered product have a single pane of glass for automated provisioning with model-based orchestration of compute, network, storage, applications and custom services through a unified multi-tenant IT service catalog</p> <p>2. Offered product able to allow authorized administrators, developers or business users to request new IT services and manage specific cloud and IT resources, while ensuring compliance with business policies</p> <p>3. Offered product to support management of the machine life cycle from a user request and administrative approval through decommissioning and resource reclamation with dynamic capacity management</p> <p>4. Offered product to support provisioning across multi-vendor, multi-hypervisor, virtual and public cloud environments</p> <p>5. Offered product to support extensible automation and integration with northbound APIs to higher level applications</p> <p>6. Offered product to support creation of services such as 'Single VM' and a 'Multi-tier application infrastructure (including software based constructs such as load balancers)' as part of a standard template</p>	Golden(Multiselect)
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22	Datacenter Automation Management Feature 2	Enumerable	1. Offered product to support multiple levels of approval and email notifications with ability to automate manual provisioning and de-provisioning of the tasks and policies embedded in each layer of their application 2. Offered product to support extensibility capabilities to customize machine configurations and integrating machine provisioning/management with other enterprise-critical systems such as load balancers, firewall, WAF , configuration management databases (CMDBs), ticketing systems and IT service desk tools 3. Offered product to support ability to extend operations capabilities to the requestor of the service eg: ability to start/stop/suspend virtual machines, request additional resources and access the VM using RDP/SSH protocols through the self-service portal based on entitlement including secure VPN based channel 4. Offered product to support allowing administrators to manage and reserve (allocate a share of the memory, CPU , floating IP range and storage) resources for a group of virtual machines to use 5. Offered product to support providing an orchestration engine with ready workflows and also have the ability to create custom workflows based on SOAP/ REST operations / PowerShell scripts 6. Offered product to support	Golden(Multiselect)
23	Any other Feature	Text		Mandatory

GENERIC PARAMETERS

24	Free Upgradation to Higher Version WITHIN WARRANTY PERIOD	Enumerable	Yes	Golden
25	Valid Licence copy to be provided	Enumerable	YES	Filter
26	Software supplied through	Enumerable	Media, eMail, URL Link	Filter
27	Installation and Demonstration	Boolean	Yes, No	Filter
28	Online Support service available for Bugs/Issues	Boolean	Yes, No	Golden
29	Number of days Training Provided at Site	Enumerable	0,1,2,3,5,8,10	Golden
30	Hyper link to Data sheet	Text		Mandatory
31	No of Software sold	Numeric	1-10000	Filter
32	Number of Software deployment/Installed in Govt. Department in the past by the OEM	Numeric	1-1000	Filter
33	Details of Government Department email, phone number of concerned authority where Software installed for above	Text		Mandataory