

## What is new in Cloupia Unified Infrastructure Controller (CUIC-SP) V2.2?

### **Comprehensive Organizational Role Management**

Organizations need a holistic view of their business users, job functions, and associated entitlements. The Cloupia Unified Infrastructure Controller (CUIC) enables organizations to easily model their organization structure and roles in cloud environments. The CUIC provides role-based access model with granularity required to limit the access to specific roles. As a result, Cloupia enables organizations to gain highest visibility and control needed by administrator groups and specific limited visibility and control needed by user groups. Comprehensive Organization Role Management enables automation of role based provisioning and access control. It also helps with provisioning approval, strengthening regulatory compliance and support routing.

Organization roles and groups: Define and configure organization roles and groups

- Business user
- Finance/Controllers
- IS/System admin
- IT admins – Computing (Server) admin, Storage admin & Network admin
- IT operations and support
- Custom roles & privileges can be created

### **Role based policy management:**

- Administer, configure and enforce following role based policies
  - System & service delivery policies by IS/System Admins
  - Computing policies by Computing Admins
  - Storage policies by Storage Admins
  - Networking policies by Networking Admins
- Run time policy resolution
- Out-of-the box policy templates – best practices, SLA based (Gold/Silver/Bronze) policy templates,
- Admin override policy templates
- Cloning of policies

### **Chargeback**

Comprehensive infrastructure resource accounting

- Fixed overhead costs (Data center costs, people costs...)
- VM costs (Administration costs, software licensing costs...)
- Variable resource costs (CPU, memory, storage...)

Flexible cost modeling & billing: Different groups in the organizations can define their own cost models to suit their IT and organizational structure and costs

- Fixed cost based policies
- Allocation based policies
- Usage based policies
- Customizable combination billing policies

Reports

- Multi-level resource accounting reports
- Multi-level cost accounting reports
- Application or service based chargeback reports
- Top usage group and services summary reports

### **Resource Limiting**

- Ability to define per-group/per-customer resource quotas (VM, cpu, memory, storage)
- Enable or disable resource limits by admins
- Resource quota limit reports
- Resource limit validation during provisioning
- End-user self-service VM resizing

### **Policy driven storage provisioning and management**

- ESX Datastore capacity and performance management.
- Policy driven VM storage auto provisioning, capacity monitoring and performance management.
- Heterogeneous virtual storage pool auto provisioning and management
- Policy driven auto provisioning of VM supported on Local, SAN & NAS storage
- Volume and EBS Management

### **Policy driven network provisioning and management**

- Auto discovery of pNIC, vSwitch, port groups, VLAN, vNIC and associated port groups
- Policy driven network provisioning, VM port group and VLAN management.
- Configurable advanced network security policies
- IP Address Management
- Network capacity/performance management
- Key management

### **Cloud level utilization and distribution tree maps**

- CPU load distribution tree maps
- Memory load distribution tree maps
- SLA status tree maps

## **Hypervisors Support**

- VMware vSphere 4.0 and 4.1
- Hyper-V