

API Objects	Cloud Stack	FlexiScale	Amazon EC2	openNebula	appnexus	Slicehost	Sun Cloud	Elastichosts	gogrid	DMTF CIM	Reservoir	WSRF (globus)
Virtual Adapter (in VM)	IaaS						X	X			X	
Virtual Network (IP Addresses,MACs, Phys Bridges)	PaaS/IaaS/Fabric Combined	X		X								
Interface	PaaS						X					
TCP Ports	PaaS		X		X							
Specify Protocols Enabled	PaaS		X									
Internet Protocol Addressing	PaaS	X	X	X	X	X	X	X	X	X		
Internet Protocol Framing	PaaS									X		
Name Database/Server (DNS)	Fabric						X					
Router	Fabric						X					
Firewall	Fabric	X							X			
Virtual Port (on physical adapter ie fibre channel)	Fabric								X	X		
Physical Adapter/Bridge (referenced by VM)	Fabric			X								
Load Balancer	Fabric				X			X	X			
VLAN (fabric)	Fabric	X			X							
Domain Name	Fabric				X							
Datacenter Name	Fabric				X							
MAC Address	Fabric	X		X			X		X	X		
Ethernet - Operating Statistics	Fabric					X						
Cloud Feature	Comment	FlexiScale	Amazon EC2	openNebula	appnexus	Slicehost	Sun Cloud	Elastichosts	gogrid	DMTF CIM	Reservoir	WSRF (globus)
Virtual Adapter (in VM)	Looks like a network adapter to the guest OS											
Adapter Number : uint16								/resources/nic/list; ""/info; ""/create; """/destroy				
Adapter Model Name : string								/resources/nic/list; """/info; """/create; """/destroy				
Name:string							Get; Update; Delete; /interface				VEE Descriptor	
Virtual Network	Looks like a ??											
Types (fixed/ranged addrs:MACs)		ListIpBlocks(); ListNetworkInterface();		NetTemplate								
Bridge (physical adaptor interface)				NetTemplate								
Name:string		ListNetworkInterfaces(); (number)		NetTemplate								
MAC Address(es) Plurality				NetTemplate								

[illegible]

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System State -Enabled	IPv4, IPv6											
System State -Disabled	IPv4, IPv6											
Virtual Port (on Adapter)	Support for Virtual ports on a Physical Adapter											
MAC Address(es) Plurality										Y		
Min Packet Size												
Max Packet Size												
Min Packet Burst Size												
Max Packet Burst Size												
Status - UP												
Status - Down												
Status - Bypass												
Mode - Promiscuous												
Mode - Private												
Mode - Isolated												
PortNumber : uint16									grid.loadbalancer.*	Y		
LinkTechnology : uint16 {enum}										Y		
OtherLinkTechnology : string										Y		
Permanent Address : string									grid.loadbalancer.*	Y		
Network Addresses : string []									grid.loadbalancer.*	Y		
Full Duplex : boolean										Y		
AutoSense : boolean										Y		
SupportedMaximumTransmissonUnit : uint64 {units}										Y		
ActiveMaximumTransmissonUnit : uint64 {units}										Y		
Physical Adapter/Bridge (referenced by VM)	Referencing a physical adapter in system											
Name				NetTemplate								
Load Balancer	Supports Load Balancer configuration											
Pool Name /ID					manage-lb-pool							
Certificate file (path)					manage-lb-pool							
Intermediate (chain) Certificate file(path)					manage-lb-pool							
Key file (path)					manage-lb-pool							
Protocol Type(HTTP/HTTPS offload)					manage-lb-pool							
					manage-lb-pool:request_string()							
Connect to Port & send string (
					manage-lb-pool:search_string()							
Connect to Port & response string (
Activity History					manage-lb-pool							
Activity History depth					manage-lb-pool							
Activity History filter					manage-lb-pool							
Activity History sort					manage-lb-pool							

[illegible]

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Destination Address		ListFirewallRules										
Direction		ListFirewallRules										
Firewall Protocols	Supports Firewall protocol configuration											
ANY		ListFirewallProtocols();										
TCP		ListFirewallProtocols();										
UDP		ListFirewallProtocols();										
ICMP		ListFirewallProtocols();										
GRE		ListFirewallProtocols();										
IPSEC-ESP		ListFirewallProtocols();										
IPSEC-AH		ListFirewallProtocols();										
L2TP		ListFirewallProtocols();										
Firewall Templates	Supports Firewall protocol configuration											
firewall_template_id(number)		ListFirewallTemplates										
template_name:string		ListFirewallTemplates										
default_policy:Firewall Route Policy		ListFirewallTemplates										
IP Address Lifecycle (state)	Supports reporting IP Address state											
Assigned, Unassigned									grid.ip.list()			
VLAN (fabric)	Supports configuring/assigning ethernet vlans											
lan_id (number)		ListIpBlocks(); ListNetworkInterface(); ListVlans();			manage-vlan							
Vlan Name		ListIpBlocks(); ListNetworkInterface(); ListVlans();			manage-vlan							
Activity History					manage-vlan							
Activity History depth					manage-vlan							
Activity History filter					manage-vlan							
Activity History sort					manage-vlan							
Activity History resort					manage-vlan							
Activity History raw (comma delim)					manage-vlan							
Address Assignment Method	Supports IP Addr assignment configuration											
Automatic Static Configuration												
									grid.server.add (); grid.loadbalancer.*()			
User Defined Static Configuration												
Dhcp Configuration												
Virtual IP Address									grid.loadbalancer.*()			

