

Oracle Ravello Cloud Service



FEATURES

- **VMware/KVM as is:** complex applications run on public clouds exactly as those applications run in the datacenter
- **Up to 14x better performance on Oracle Cloud Infrastructure:** boost the application performance with hardware assisted nested virtualization, and even more when running directly on OCI.
- **L2 networking access:** Keep the same IPs, subnets, VLANs; access VMware native NICs, unlimited NICs per VM, multiple IPs per NIC and setup VxLANs – on leading public clouds.
- **Blueprinting – snapshot and share:** Snapshot complete environment configurations, including the state of disks, memory, network of all application VMs to create a blueprint.
- **Automation:** With Ravello's rich REST API, users can automatically spin up complete environments application blueprints.
- **Permissions and ephemeral access:** Ravello enables users to set permission rules, as well as provide ephemeral access tokens to users within and outside of the organization. Users can share environments and collaborate with others, while they monitoring the spread of usage of application environments.

Seamlessly deploy your existing VMware or KVM based data center workloads on Oracle Cloud Infrastructure, AWS, or GCP as-is, without any modification to the VMs, network, or storage. Get data-center-like network services with enterprise grade performance for production workloads, and on-demand and cost-effective scale for agile dev/test processes.

Benefits

Ravello enables enterprises to leverage the public cloud for data-center applications, eliminating long migration and conversion processes. With nested virtualization & networking overlay capabilities, Ravello's hypervisor HVX makes the underlying cloud infrastructure behave like a data-center, complete with capabilities to run VMware VMs and Layer 2 networking and network services. Since the cloud based environment with Ravello on Oracle Cloud Infrastructure is similar to data-center, it de-risks the enterprise's move and accelerates their journey to cloud. Enterprises using Ravello gain:

- **Increased agility:** enterprises are able to provision environments as required. Using blueprinting features this is done instantly and on-demand. This enables enterprises meet constantly changing business needs – growing the production capacity with the user base, while still tearing down environments when not needed, and avoiding ownership of idle resources when scaling back, .
- **Scale in any geography:** Ravello enables users to deploy environments in any cloud region. This global reach provides users with minimized latency and top performance by providing the option to deploy applications as close to the user as possible.
- **Reduced cost:** Enterprises can save on CapEx and OpEx costs associated with running and managing on-premise infrastructure (including license and support costs for hypervisor (ESX) and management tools such as vSphere).

Use Cases

Ravello provides enterprises with data-center-like environments on public cloud for every stage of enterprise application lifecycle:

- **PoCs:** Running PoCs on cloud using Oracle Ravello Cloud Service enables the enterprise customer to get a complete PoC environment with no strain on the organization's infrastructure resources. This ensures better outcomes since the customer can assess a full-featured environment and not some stripped-down version of it. The enterprise can easily customize the environment through Ravello's web UI or REST API. Not only that, through Ravello's collaboration features, the enterprise IT teams can collaborate through simultaneous access capabilities.
- **Development and testing:** With Ravello, enterprises have on-demand access to

data-center-like environments without any capacity constraints helping them release quality software on schedule and within budget. By automatically creating multiple replicas of entire multi-tier application, Ravello enables QA engineers to conduct testing in truly representative environments. These environments can then be shared with developers the complete the dev/test cycle and allow exact bug reproduction and resolution.

- **IT operations:** With Ravello's ability to create isolated replicas of production environments (both in scale and in configuration), enterprises can perform UAT & staging that provides accurate app validation before go-live. Ravello helps enterprises save costs by providing them with the ability to run and pay for these UAT and staging environments only for the duration they are needed, and subsequently tear them down.
- **Security testing:** With unlimited capacity along with an easy-to-use 'drag and drop' interface, Ravello enable enterprises run complete threat simulation exercises with ranges that mirror the enterprise environment in scale from tens to hundreds to thousands of nodes – all without any hardware investment.
- **Production enterprise application:** Ravello enables enterprises to "cloudify" their production application – running any version of the app or OS in the cloud without requiring changes. They can horizontally scale their application to thousands of VMs and in turn each VM can vertically scale up to 32 vCPUs. Additionally, Ravello's hypervisor supports hardware assisted nested virtualization offering up to 14X better performance compared to running Ravello on AWS and GCP, and even more than 14X when running directly on Oracle Cloud Infrastructure.
- **Training:** Ravello enables training organizations to create centralized or distributed instructor-led training environments supported by complex infrastructure. All required infrastructure can be automatically provisioned on demand in any cloud region for vast global reach. By using blueprints trainers can spin up as many isolated copies of a training environment on demand.

Economic Value

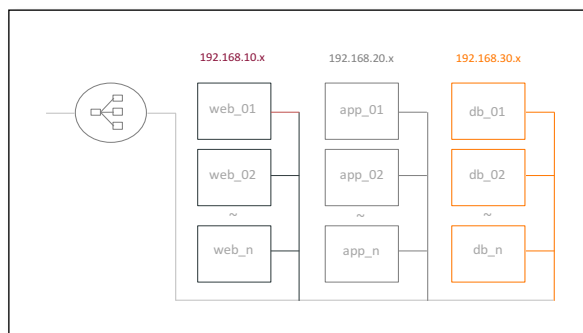
Ravello delivers enterprises with agility and cost savings. These result from:

- No 'migration' costs: Ravello allows enterprises to move applications to the cloud "as-is" saving time and costs associated traditional migration processes.
- Business agility: through using Ravello – enterprises avoid setup overhead as well as wait time that results in idle resources.
- Cost savings: 40-60% savings from moving VMware on-remise to Ravello

Cost savings: example

Customer scenario:

App spread over 10 VMware VMs – needs 20 vCPUs, 40 GB RAM.



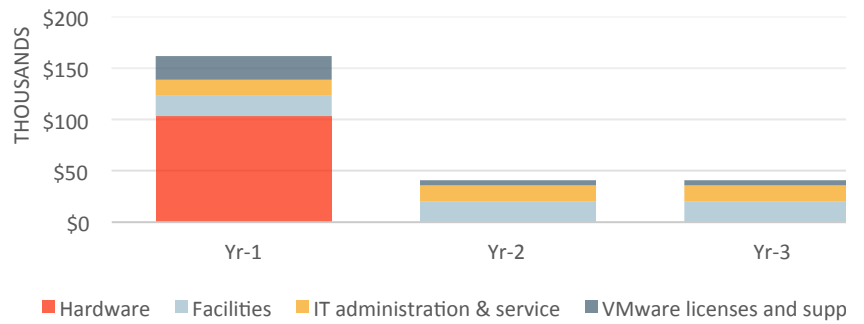
The enterprise has one production environment and six pre-production environments for dev, QA, UAT, staging, etc. These 70 VMs require 6 servers (dual socket 6 core).

57% savings with Ravello

By using Ravello the enterprise saves on hardware investments, on OpEx costs to run the data-center and on VMware licenses and support costs. In addition, the enterprise pays for the infrastructure only when it is actually being used.

3- year TCO comparison

On-premise 3-year TCO: \$244K



Ravello 3-year TCO: \$104K

