

Riso Transforms IT by Migrating Their Data Center to the Cloud



RISO, a global manufacturer of printers and digital copiers, was finding it challenging to focus on their core business: selling and maintaining cost-effective digital printing solutions. To overcome this, they needed a solution that would reduce costs and improve IT agility.

RISO also faced several challenges with their existing IT environment:

- **Software and Hardware**
Legacy applications were running on outdated server, storage, network hardware that wasn't delivering the performance required.
- **Operational Expenditure**
Operational expenses needed to be reduced, including hardware maintenance costs.
- **Multiple Locations**
The task of managing an infrastructure that spanned across multiple locations was too difficult and time-consuming.
- **Multiple IT Vendors**
The company had multiple vendors and support contracts resulting in significant management overhead costs

Migrating to AWS

To address these challenges, Apps Associates helped RISO migrate from their on-premises data center to Amazon Web Services (AWS).

The Process

Apps Associates started by producing a complete study of RISO's existing IT infrastructure and costs, including recommendations and a detailed migration plan. From

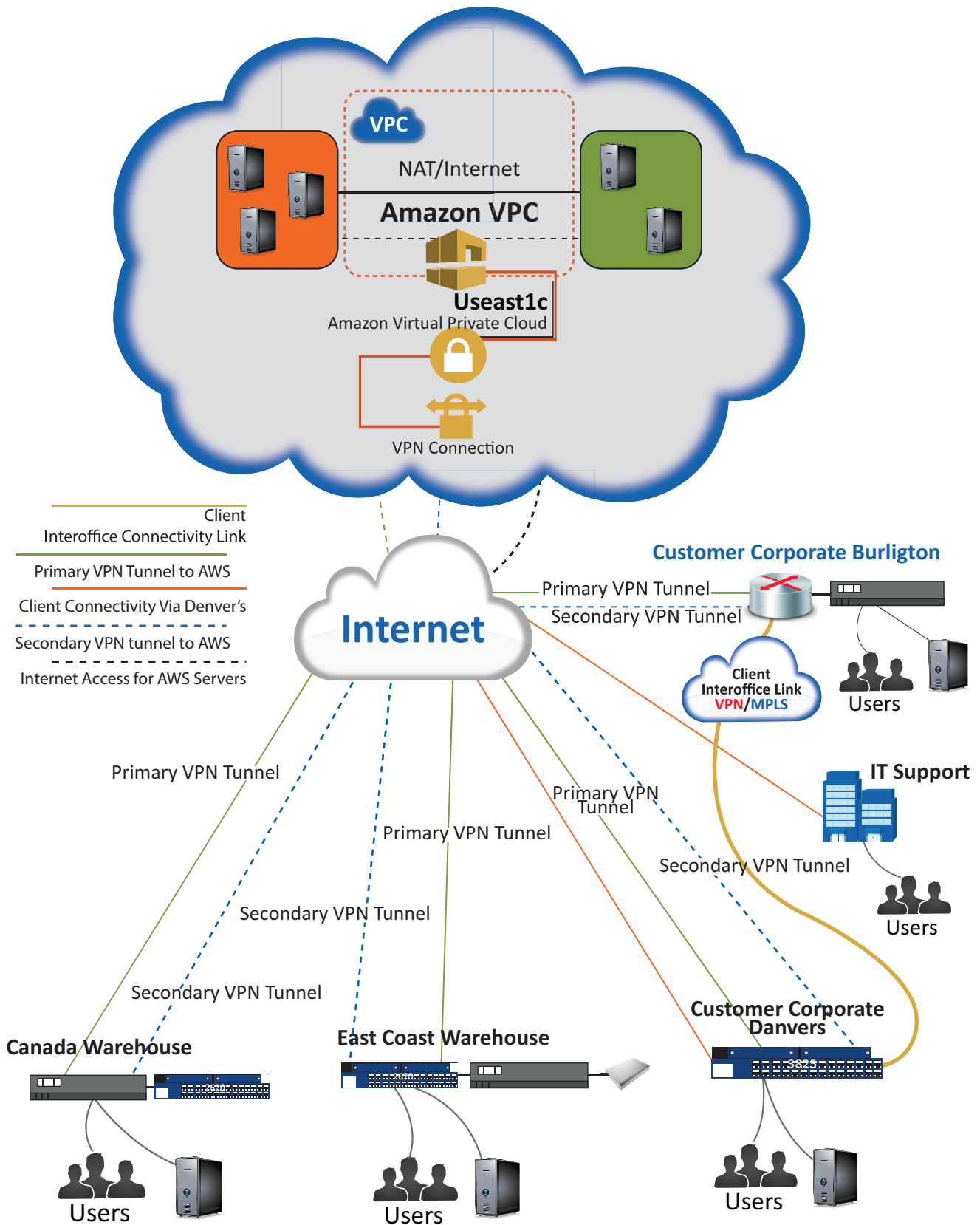
there, they created a Proof of Concept and validation for Oracle E Business Suite (EBS) and Oracle Business Intelligence Enterprise Edition (OBIEE), as well as backup operations running in the cloud.

With a detailed plan in place, Apps Associates worked with RISO to migrate their applications to AWS, including SQL Server, Oracle EBS, OBIEE, and Active Directory Domain controllers, as well as support applications such as Track-it, La Crosse, Cast Iron, Ping, Optio, and related tools.

Using Amazon Glacier and Zmanda, RISO replaced their Tivoli tape backups with a cloud disaster recovery solution using Amazon S3. For scalable compute and storage capability, Apps Associates deployed a Virtual Private Cloud (VPC) on AWS with Amazon EC2 and Amazon Elastic Block Store (EBS). Finally, RISO's in-house Active Directory was integrated with Salesforce via the Ping Identify virtual appliance on AWS.

RISO's network architecture on AWS also included a Border Gateway Protocol-based site-to-site Virtual Private Network (VPN) between AWS and RISO's warehouses and corporate headquarters, enabling access from five separate locations.





Results and Benefits

Apps Associates designed a cost-effective cloud platform and deployed it within 6 months. RISO quickly realized cost savings with their new architecture.

"We knew that Apps Associates were Oracle experts but they also proved to be cloud experts too, enabling a complete infrastructure and application migration to the public cloud"

- Alex Olshan, CFO and Vice President, RISO, Inc.

Apps Associates managed the switchover to AWS, paying special attention to maximizing uptime and ensuring business continuity for all of RISO's core systems. They reduced capital and operational costs by avoiding new hardware purchases and redeploying IT staff to projects that directly supported the core business.

"Apps Associates understood that our objectives were to reduce costs and enable IT scalability and they helped us achieve those goals by rapidly migrating our entire data center to the cloud"

- Christopher Gattoni, Manager, I.T. Infrastructure and Support, RISO, Inc.

Benefits of RISO's migration to AWS include:

- 55% reduction in total IT operational costs
- 35% reduction in backup infrastructure costs
- Reduction in the number of IT vendors from 6 to 3
- Ability to start and stop non-production services on-demand to reduce operational costs
- Ability to run legacy applications independent of hardware or operating system restrictions by utilizing Amazon Machine Images (AMI)
- Ability to relocate RISO headquarters with no business interruptions by leveraging the centralized AWS computing platform



For more information about Migration of Amazon Web Services (AWS) please visit, www.appsassociates.com or call us at +1-855-466-5066.