



CLOUD SERVICES WITH RISA

Infrastructure as a Service (IaaS) or "Cloud" resources (e.g. Amazon Web Services or Microsoft Azure) provide a powerful and efficient platform for hosting applications, data, and workloads, and can be an excellent alternative to on-premise deployment models. However, effective navigation of these monolithic platforms requires specific expertise and experience to avoid potential pitfalls and make the transition from on-premise infrastructure to the cloud as uncomplicated as possible. This experience and expertise is one of RISA's strengths.



- Our certified cloud engineers and architects will work with your management and staff to design a cloud architecture that is customized for your organization's service requirements to provide the resources to host your current service infrastructure. Our personnel work with your IT staff and leadership to develop a plan for a phased migration of your current applications, services, and data from your on-premise environment to the cloud architecture.
- Then, they will work with your staff as an integrated team to complete that migration, making adjustments to the migration plan to resolve any issues that may arise. Our cloud engineers and architects are experienced with how to resolve common issues that can arise during migrations from on-premise to cloud infrastructure, such as : over- or under-provisioning; downtime; data protection and security.

Once the migration is complete, our cloud support personnel (e.g. cloud practitioners and cloud engineers) manage the cloud infrastructure, allowing your IT staff to focus on the services, applications, and data that are crucial for the operation of your organization. Our management of the cloud infrastructure includes continuous (and potentially automated) monitoring of cloud resources. This ensures continual operation and also allows for optimization of cloud resources. This also includes Tiered Help Desk services to triage issues that arise with the cloud infrastructure.

One concept that we have found to be of benefit to our existing customers is that of "Cloud Broker". A Cloud Broker is an entity that manages the use, performance, and delivery of cloud resources/services and negotiates relationships between cloud providers and cloud consumers. The Cloud Broker is usually composed of leadership from the customer organization, along with technical subject matter experts (e.g. cloud architects) from RISA. This entity provides a single point for management of resources from multiple cloud providers. This can provide multiple benefits: cloud interoperability, cloud portability, business continuity, and cost savings. The ability to migrate services (and their attendant data) between cloud providers (aka cloud portability) also increases business continuity by reducing dependence on a single cloud provider. Cost savings can come through large scale purchases of cloud resources. (e.g. Amazon offers discounts of 20% or more for volume purchases of AWS EC2 resources).

In our most recent cloud management experience, we provided cloud engineering and architect support services to the US Special Operations Command (USSOCOM) in their efforts to migrate some of their public-facing resources to AWS' GovCloud infrastructure. We inherited a prior design for the proposed cloud infrastructure, which our AWS architect personnel optimized. Our architect then worked with government and contractor personnel in USSOCOM's Operations directorate to complete the migration to the GovCloud infrastructure. Our AWS engineering personnel are now working with USSOCOM's Operations to ensure the continued operation and optimization of those public-facing resources. In addition, some of our cloud support professionals are now assisting the Command with migrating additional services to the cloud as well as establishing a Cloud Broker entity.



CONTRACT VEHICLES



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COMPANY CERTIFICATIONS



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