Azure Classic (ASM) to Azure ARM Migrations

Move from Classic to ARM with an experienced CSP

Microsoft Azure offers two ways to deploy and manage your cloud resources:

- **Azure Resource Manager (ARM)**
- **Azure Service Manager (ASM)**

What Are They?

Azure Service Manager (ASM), aka Azure Classic is the original version of Azure that was launched in 2010. Although there are rumors that Microsoft will sunset the platform, they have made no formal announcement about a requirement to make any changes. Although it is fully featured, from an architecture perspective, as you will see, there are a number of benefits that come with ARM.

Azure Resource Manager (ARM) is the newer version of Azure that was launched in 2014. Azure ARM has advance capabilities and tools including:

- Deployment automation with JSON templates
- Improved networking capabilities
- Advanced resource management through resource groups and tagging
- Easier integration with newer, ARM only, resources
- Updated APIs

Which One Should I Use?

Both Azure deployment models are viable options at this point, it is necessary to pay careful attention to the features that each offer and your specific requirements.

To simplify the deployment and management of resources, Microsoft recommends that you use Azure Resource Manager for new resources, and, if possible, re-deploy existing resources through ARM.

With ARM you can:

- Deploy, manage, and monitor all the services for your solution as a group, rather than handling these services individually.
- Repeatedly deploy your solution throughout its lifecycle and have confidence your resources are deployed in a consistent state.
- Apply access control to all resources in your resource group, and those policies are automatically applied when new resources are added to the resource group.

Making the Move - Planning for Success

From resource mapping to migration, OneNeck can help with every phase of the journey from Azure ASM to Azure ARM. Our approach is to fully understand your ASM deployment to ensure that the migration process is as seamless as possible.

We begin with a resource mapping/discovery evaluation to determine:

- Which resources you have deployed in ASM
- Which of these resources are capable of migration
- Which resources will need to be reconfigured

Once complete, OneNeck can execute the migration and then manage your deployment in ARM. Management activities include the following:

- Performance Monitoring
- Network Management
- Identity and Access Management
- OS Management
- Disaster Recovery

A Successful Migration Story

As a leading content management solution company in the industry, a OneNeck customer needed to ensure their cloud-based platform was housed on the most stable and feature–rich version of Azure available. Ultimately they arrived at the decision to migrate from ASM to ARM by leveraging the expertise of OneNeck to facilitate the migration.

As with any ASM to ARM migration, OneNeck first conducted a resource discovery/mapping evaluation to assess the company's ASM environment and clearly outline their migration path to ARM. Once complete, OneNeck was able to successfully migrate their VM networks, VPN, SQL databases and storage resources, including managed disks to ARM without any duplication of resources.

Now fully deployed in ARM, the customer has realized a number of benefits including:

- Improved VPN connectivity
- Simplified resource manipulation
- Improved network stability
- Easier access to ARM-only resources

About OneNeck® IT Solutions

OneNeck IT Solutions LLC offers hybrid IT solutions including cloud and hosting solutions, managed services, enterprise application management, advanced IT services, IT hardware and top-tier data centers in Arizona, Colorado, Iowa, Minnesota, New Jersey, Oregon and Wisconsin. OneNeck's team of technology professionals manage secure, world-class, hybrid IT infrastructures and applications for businesses around the country.

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