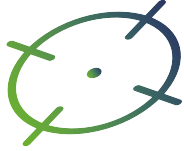# Cloud Migration

PRODUCT FEATURE OVERVIEW

Cloud Migration. A term much bandied about by consultants, sales people and vendors. Cloud migration is typically a project or larger initiative to move data, applications or complete end-to-end business services to a public or private cloud computing environment.

The term covers a multitude of different project start and end conditions, but a typical model is the transfer of business service consisting of both data and applications from an on-premise data centre to the public cloud. Sometimes a migration results in a complete business service being migrated, sometimes just part is migrated (e.g. the database element of a CRM system), resulting in a public/private amalgam.

Whatever the shape of the migration, Asset Vision provides the raw data and automated analysis to enable the optimal migration process at the lowest cost – and it does this agentlessly, with nothing to install on critical production business systems.

Asset Vision

Discovery, Inventory & Normalisation

Before you can migrate anything to any cloud, you need to understand what you currently have and where it is. All of the computing devices and installed software need to be identified. Asset Vision's class-leading Discovery, Inventory and Normalisation capabilities provide quick and easy discovery and identification of existing systems and software – some of which will become the targets for migration.

Dependency Mapping

Rarely does anyone migrate a single server – typically organisations choose to migrate all or parts of complete business services – services that consist of many different components like web servers, application servers and databases. Making sure all of the elements of a complex service have been identified is not easy, but Asset Vision's Dependency Mapping capabilities build on Discovery and Inventory to make this task much simpler. By identifying the usage connections between services, it builds up a picture of all the inter-linked components that contribute to a business service. This allows the real size and scope of a migration to be easily identified, and migration candidates selected.

Performance Assessment

So how fast does it all go? Once a business service and components has been identified, the question is "what is required of the cloud to cost effectively provide the same performance once migrated?". Asset Vision's Performance Assessment allows a resource profile of each compute device playing a role in the business service to be created. Over time, each component's CPU, memory, disk and network needs is recorded and analysed, providing the data that allows accurate mapping to the optimal cloud resources for migration.

Migration Assistant

Who doesn't need an assistant? Asset Vision's Migration Assistant greatly simplifies the task of defining a group of devices to be migrated as part of a project, providing migration progress reports and – based on performance profiles – suggesting migration targets and costs for each of the three major public clouds – Amazon Web Services, Microsoft Azure and Google Cloud.

Cloud Efficiency

What's in your cloud? Migrating all or part of an existing business service to the cloud is just part of the problem. Once migrated, there is still the need to ensure that migrated services continue to run as required at the lowest possible cost. Continually reviewing cloud inventory against billing data, vendor cost models and new cloud vendor offerings ensures that costs stay minimised, while performance is maintained.

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