

Dependency Mapping

Most cloud migration projects are focussed around moving (for reasons including cost, flexibility and security) complete systems from in-house managed data centres into a public cloud. Rarely does a single server get moved, its typically a multi-server application consisting of lots of processes with many complex dependencies.

Asset Vision's Dependency Mapping capability discovers and identifies running processes and builds a dependency map, identifying where each process connects with and makes use of another as part of a complete system. The "map" of connectivity and usage is further enhanced by agentlessly monitoring and recording the resources used by each process over time, building a complete picture of the scope and resource needs of a system.

This is a critical step to cost-effective migration – understanding what you currently have and what resources it needs to run.

Process Discovery

To understand how the various processes making up the application to be moved interact, Asset Vision performs process discovery – identifying the processes running on a server, collecting key data about the processes and normalising this into an identified process, e.g. sqlserver.exe = SQL Server Enterprise 2016, Enterprise Edition. Knowing about the major processes running on a given system allows a migration project to focus on only the ones being migrated.

Process discovery is agentless, and can run across both Windows and Linux platforms.

Process Connectivity

Processes in a system don't run in isolation – they connect to and interact with other processes, for example; an application server connecting to and using a database server. But what are these connections, and how many are there? Asset Vision's ability to identify connections between running processes in a network of devices allows these dependencies to be identified and mapped.

Process Connectivity identifies the following data;

- > Device and Program supplying a service.

- > Device and Program consuming a service.

- > Service name.

- > Source host IP/name.

- > Source port.

- > Destination host IP/name.

- > Destination port.

- > Intermediate network devices involved in the relationship.

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