VirtaMove
Migration Intelligence

VIRTAMOVE EBOOK

Moving Workloads to the Cloud:

Options for Getting Onboard

Moving applications to the cloud can enhance performance and daily operations.

Here we discuss current options for getting workloads to a cloud OS and propose an alternative: automated migration using VirtaMove.

You can onboard workloads by:

- Re-installing applications by hand.
- Using a P2V tool to disk mirror a server or VM.
- Using automated application monitoring and migration tools.

Option 1: Re-install apps by hand in the cloud

Moving apps by hand isn't easy, especially if install scripts are missing. It's hard to know which applications on a server need to move. Some are critical, some are used seasonally, and others haven't worked for years. You might not know their dependencies or how components are distributed. How do you figure out the computing resources apps need, and how do you separate the apps from their old clutter?

You also have to reconfigure apps that move to the cloud: IP addresses, network connections, drive mappings, database connections, and so on.

Moving apps by hand involves many steps, and projects can take months to plan, execute, and test. The more complex a project is, the likelier it is to encounter wait states and delays.

Option 2: Using P2V tools

Physical to Virtual (P2V) and V2V tools clone exact copies of servers. Using these tools to move workloads and old OS versions to the cloud entails further issues:

- Onboarding old clutter requires tons of bandwidth to get to the cloud and tons of cloud resources once there.
- You'll need to maintain old instances without the benefit of modern cloud tools.
- You can't consolidate or split workloads.
- You need to do lots of reconfiguration.

Older OS versions like WS2003 aren't supported by cloud vendors, which means that P2V for an old OS isn't feasible.

Option 3: Moving workloads to the cloud using VirtaMove

Using VirtaMove automated migration tools avoids many of the problems associated with options 1 and 2.

Monitoring production apps discovers application dependencies and use patterns. Capacity planning reports help you size and provision required resources for an optimized cloud footprint. Moving only what you need means huge savings on storage and other cloud fees.

You can move workloads to a modern, pre-configured cloud OS. Reconfiguration can be done dynamically and automatically. Then, you can manage workloads using advanced cloud tools.

You get flexibility and portability. You can consolidate workloads and applications from many source servers to a single cloud OS, or split workloads on a server to multiple cloud OS instances. You can move workloads between clouds or back to in-house servers, avoiding cloud lock-in. Before cut-over, you can easily test and verify applications in a cloud sandbox.

Automated tools mean less effort, as well as less time and cost. They mean an optimized cloud footprint, which means better business.

If you need to move workloads to the cloud and you'd like to learn more about how VirtaMove can help, give us a call, register for a free demo, or send us an e-mail. We'd love to show you what we can do.

ABOUT VIRTAMOVE

VirtaMove subscription-based software moves server applications to new cloud or datacenter servers in a fraction of the time and cost associated with traditional migration methods. Install scripts and source code not required. Encapsulating Windows Server and Linux applications in VM/OS-free moving containers, VirtaMove's patented software provides an automated, stateful re-install of most complex server applications. VirtaMove allows you to modernize your infrastructure, moving from an old, unsupported OS to a newer one with automation – modernize and move forward to a new datacenter server or cloud in one step. Reach out to us at info@virtamove.com or check out our website www.virtamove.com to learn more.