Agentless IT Auto-Discovery, Disaster Recovery, and Migrations for On-Premises & the Cloud

Zerto and Device42

Mergers and acquisitions (M&As) are realities in every industry. While they can rapidly build strong organizations with key strategic advantages, they also create big challenges for IT teams managing virtualized workloads such as VMs. It's no longer an option to simply put off consolidation and right-sizing isolated silos after a merger or acquisition. Not only this, but the acceleration of cloud adoption in both the private, public, hybrid, and multi-cloud deployments has introduced new complexities for IT. Cloud migration presents organizations with myriad challenges across organizational, personnel, and technical facets.

Addressing these challenges is crucial for successful and efficient migrations:

Risk of data loss, added unplanned downtime, and lengthy migration periods	**Application discovery & complexity**	**Hardware and software Inventory Management**	**Difficulty testing migrations**

Working together to tackle these challenges and simplify the cloud adoption and migration process are Zerto, a Hewlett Packard Enterprise company, and Device42.

Device42 is the most comprehensive, agentless discovery and dependency mapping solution for migrations today. From legacy systems such as mainframes all the way to the latest cloud and containers, Device42 empowers you with the visibility needed for informed decision-making and operational excellence.
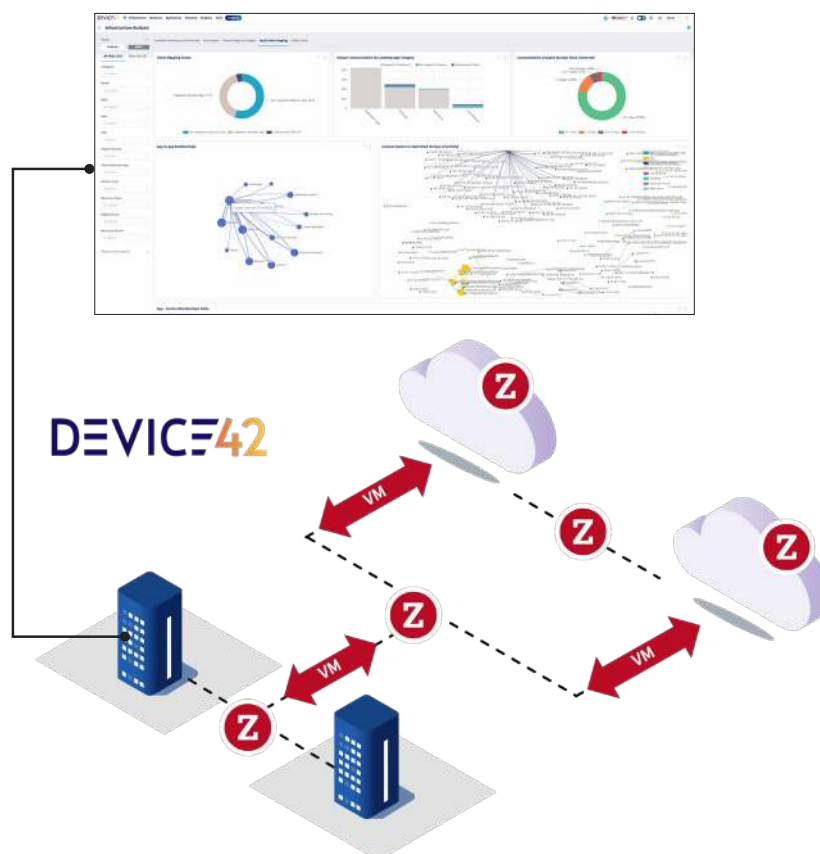
Without an accurate IT infrastructure inventory and corresponding application dependencies during the planning stage, consolidating data centers can be risky or even impossible. Device42's comprehensive, automated discovery capabilities simplify inventory documentation, ensuring that your inventory accurately reflects your environment throughout the migration process. This includes complete AWS and Azure inventories that can't be easily accessed from the platforms.

Zerto empowers customers to run an always-on business by simplifying the protection, recovery, and mobility of on-premises and cloud applications. Built for enterprise scale, Zerto's simple, software-only solution uses continuous data protection (CDP) to eliminate the risks and complexity of data center consolidation, modernization, and cloud adoption.

Together, Zerto and Device42 provide a comprehensive way to discover, manage, and migrate your VMs to, from, and between data centers and the cloud.

Continuous Auto-Discovery Meets Continuous Data Protection

Device42's powerful discovery and application dependency mapping populate the built-in configuration management database, providing valuable insights into key interdependencies between infrastructure components and applications. This knowledge allows you to identify and prioritize critical dependencies, minimizing the risk of disruptions during the migration process.
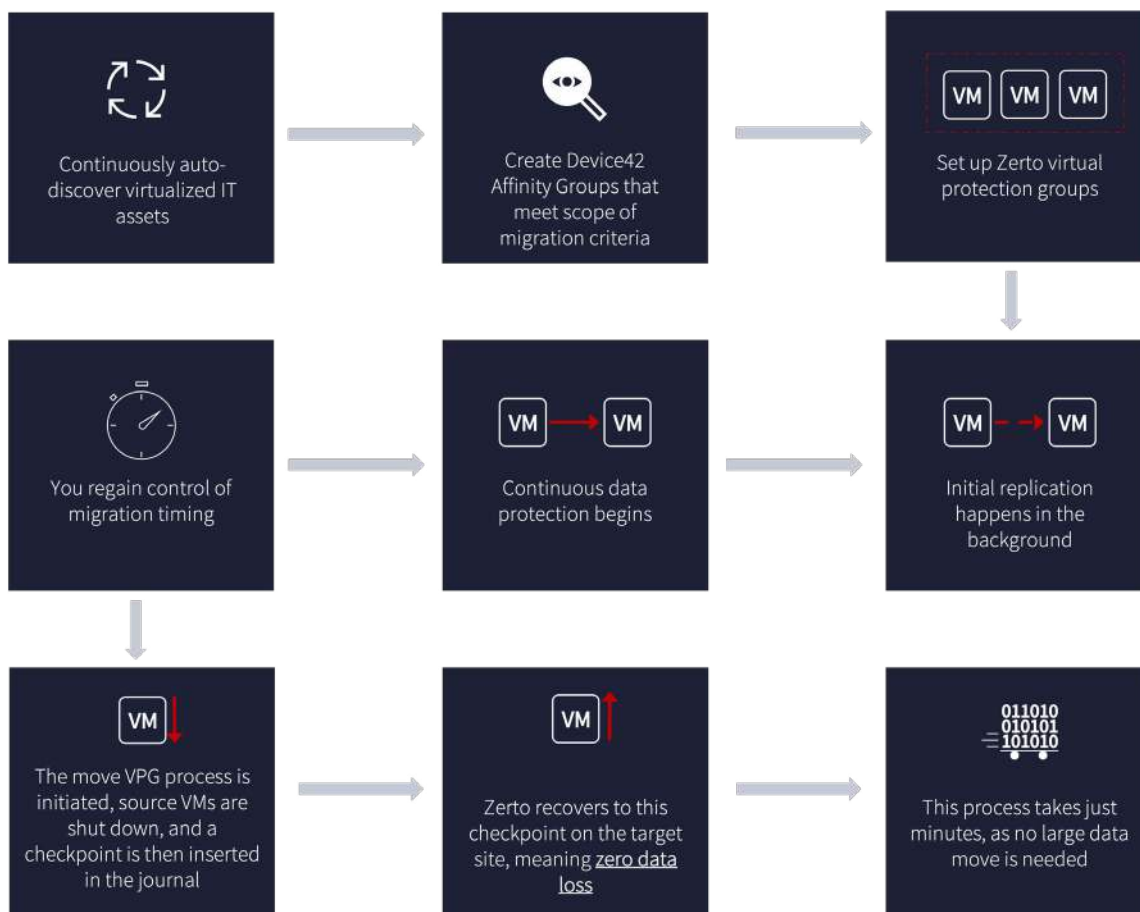

Overview of Zerto & Device42 Joint Solution Architecture

Device42's automatic Affinity Groups leverage auto-discovered infrastructure dependency information to calculate migration-ready move-groups around your key infrastructure services. This can help you filter out nonessential objects in your move and allow you to drill down through dependencies to precisely isolate the group of objects (i.e., the move-group) on a per-application and per-device basis. Each move-group makes up a set of virtual machines that are then migrated together, segmenting the move into smaller, logical pieces.

Once the Affinity Groups are established, you can organize the VMs identified in the Device42 move-groups into logical groupings using Zerto's Virtual Protection Groups to initiate the migration process. This can be achieved programmatically by interfacing and exchanging data between Zerto's Swagger APIs and Device42's RESTful APIs.

Zerto eliminates these obstacles with a simple, scalable, and risk-free migration experience. Established on a foundation of CDP with built-in orchestration and automation, Zerto allows for seamless migrations between any infrastructure, including cross-hypervisor, cross-cloud, and even between on-premises and a cloud provider.

Before you migrate, test as many times as you need to validate success criteria and confirm operations at the target site. Then, make the move with just a few simple clicks. Thanks to Zerto's always-on CDP and replication, you don't lose data at any stage.

Workflow: How Zerto & Device 42 Work Together for Virtual Migrations

The ubiquitous nature of M&As across industries necessitates a proactive approach to address the associated challenges, particularly in managing virtualized workloads like VMs. Rapid consolidation and right-sizing of isolated silos post-merger or acquisition are no longer viable options. Furthermore, the growing prominence of cloud adoption, spanning private, public, hybrid, and multi-cloud deployments, introduces additional complexities for IT teams. Amidst these challenges, collaborative efforts from companies such as Zerto and Device42 play a crucial role in simplifying the cloud adoption and migration process, providing solutions for organizational, personnel, and technical facets.

Are you ready to get started?

Dive further into the insights used for migrations with Device42 and see how easy it is to migrate your VM environment with Zerto with our free hands-on labs.