



Get Ready:

# Readying your IT Infrastructure for the Next Wave of Health Care Innovation











## 5. Application Dependency Mapping



Cloud computing, the move to HCI for your on premise private cloud, and opportunities to consolidate will depend on you having a detailed, accurate, and current understanding of your existing applications and the application's infrastructure dependencies. Knowledge of your applications is always a critical path item when trying to contemplate and execute on any data center initiative, but the introduction of cloud computing adds a new level of complexity when you are considering moving an application and its supporting infrastructure outside of the data center.

For the past several years, many organizations have relied on configuration management databases (CMDBs) as the tool of choice to completely capture and manage this information, but they have fallen short on expectations. CMDBs have been very difficult to deploy and even more difficult to maintain. This difficulty, combined with the dynamic nature of today's virtualization technologies, has made CMDBs incapable of providing the necessary level of application dependency mapping to make informed decisions about your IT infrastructure needs.

The new generation of application dependency discovery and mapping tools can provide you with an automated, dynamic view into your application dependencies. The investment in these dynamic tools will easily pay for itself in any infrastructure consolidation, migration, or disaster recovery planning effort, and it will save you significant time and money when it comes to migrating applications to the cloud.

Procure an application dependency mapping tool that automates the discovery and presentation of the following:

**Performance Modeling – Helps IT teams improve workload modeling using physical and virtual server performance data.**

**Network Impact Analysis – Captures and presents the potential impact on the network before moving a workload.**

**Complete network traffic profiles between dependent workloads in your existing network infrastructure.**

**Advanced application dependency visualization so you can clearly see the impact of moving a specific workload to the cloud.**

# Summary

The opinions presented in this Insight Report are no longer controversial. Many of our customers are well on their way down this path. Unfortunately, many of our health care IT customers are holding on tightly to the status quo and using HIPPA compliance as a reason for delay. Don't fall into this trap. With BreakFree Solutions, the focus is on helping IT organizations accelerate the transformation of their IT infrastructures to better enable the innovation they need to compete in a dynamic marketplace.

## The Authors

### Mitch Northcutt

For over 30 years, Mitch Northcutt has been a trailblazer in the development and implementation of business and health care technology strategies. Considered a pioneer by his peers and customers alike, Mitch excels at identifying the best possible solution for complex technology challenges. His passion for innovation serves him well as the President of BreakFree Solutions. Prior to joining BreakFree Solutions, Mitch led or participated in building multiple health care-focused technology services businesses. At BreakFree, Mitch develops and leads the delivery of forward-thinking IT solutions and service offerings.

### Robert Wilson

For over 20 years, Robert Wilson has worked within enterprises to improve data center infrastructure and technology services. Rob was at the forefront of the server virtualization revolution and a leader in accelerating its adoption throughout many organizations. His passion and expertise in problem-solving drives Rob, and he thrives on constructing alternatives that improve technology. At BreakFree, Rob is the Services Director for Data Centers and is instrumental in developing solutions that will continue to transform IT.



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