

# Minimize risk and maximize value while moving to global-scale cloud services and virtualization



Dell EMC provides comprehensive solutions to help at each stage of your Windows® Server 2016 migration journey.

#### Key Benefits:

- Prioritize migration while mitigating end-user impact
- Minimize IT resource strain
- Improve application performance by optimizing server resources and architecture
- Develop a baseline of your enterprise to retain for Configuration Management

## Dell EMC Lifecycle services for Windows® Server 2016

### Fast-track your journey to Windows® 2016

Is your organization ready to explore the innovation and agility of Windows® 2016? Do you have the internal resources and tools you need to take full advantage of the new features in security, resilience and performance, without disruption? Start planning your OS modernization today with help from Dell EMC. Let our experts help you get the most from new features such as Nano and Docker to software-defined networking and storage features.

As Microsoft's leading Windows® deployment partner, Dell EMC has developed unique tools and proven practices to help ensure the migration readiness of your applications, hardware and deployment. We offer many different approaches to server migration, and our experts can help determine the most efficient approach for each of your workloads.

Our end-to-end solution utilizes our services, hardware and Microsoft software for a successful migration that includes:

- Transformation planning and designing, which focuses on determining the fastest, most effective migration approach for each application and workload
- Mapping dependencies and prerequisites by application and workload
- Determining the target environment for each workload, be it physical or virtual, private cloud or public cloud
- Assessing, testing and fixing applications and application compatibility issues without disrupting operations and new development
- Automating your migrations by building an optimized and automated task sequence that includes the base OS, foundational services and configuration
- Empowering your organization with future-ready support from award-winning ProSupport and deployment offerings
- Defining a comprehensive training plan with flexible delivery options from Dell Education Services
- Gain a complete, end-to-end solution — hardware, software and services

**For more than 30 years, Dell EMC and Microsoft have focused on delivering best in class, innovative solutions that span the entire Microsoft product portfolio to organizations all over the world.**

- Unparalleled product synergies
- Best-aligned cloud partnership
- 23 Microsoft Gold Competencies
- Microsoft Partner of the year Windows® Global for 2012 thru 2016
- Microsoft Enterprise Partner Group Alliance Partner of the year (east and west regions)

## Our end-to-end approach

Using a holistic approach, our professionals provide strategic guidance, unique tools and proven practices every step of the way. Our methods and experience help you reduce risk while accelerating your program. Our experts can provide a full analysis of your workloads and application inventory, gathering sufficient data to determine the right approach and prioritization for each application. Dell EMC catalogs every executable application on each server in your organization and even identifies its usage.

Our unique tools can automatically identify and filter more than 22 million executables, providing the title, publisher, version and functional category.

Dell EMC realizes no one approach will suit your organization, so we have developed multiple paths for migration with an emphasis on automation.

We can help you convert existing software packages to a Windows® Server 2016 format, ready your applications for automated installation, or sustain application functionality by extracting and moving applications from legacy operating systems to Windows® Server 2016.

### To help mitigate risk, Dell EMC uses several methods such as:

- Dependency analysis (What might I impact if I move this application?)
- Compatibility testing for Windows® Server 2016
- Application assessment and remediation
- Performance baselining and scenario modeling (How did the app perform before it was moved? How is it likely to perform post migration?)

Our experts can help you jump-start a new migration or fast forward one already in progress. We deploy millions of enterprise class operating systems each year in over 150 countries, and we can partner with you to help ensure a smooth, cost effective transition.

### Dell EMC can provide experts, insights and ease to get the most from new Windows® Server 2016 features:

- Gain new layers of security to address emerging threats, control privileged access and protect virtual machines.
- Help ensure the stability of the infrastructure through simplified virtualization upgrades, new installment options, and increased resilience.
- Expand capabilities in software-defined storage with an emphasis on resilience, reduced cost, and increased control.
- Simplify by bringing the core set of networking capabilities and SDN architecture directly from Azure to your datacenter.
- Expand efficiency and agility with new ways to package, configure, deploy, run, test and secure your applications – running on-premises or in the cloud – using new capabilities such as Windows® containers and the new Nano Server lightweight OS deployment option.

Services	Task
Requirements Application Inventory	Utilizing our industry-leading tools, we inventory your servers, as well as clean and rationalize the inventory and prepare your application library for testing.
Dependency Analysis	Identify application-to-server dependencies and build a map of business services and their appropriate dependent systems.
Performance Baselining	Identify pre-migration application performance, model new placements and compare post- and pre-deployment performance.
Readiness Transformation planning and design	Work with a Project Management Institute-certified program manager and solutions architects to develop scheduling and migration planning, including application and workload specifications. Our tools, provide a single source of truth for the overall transformation program. Design, build and validate the target solution. Develop a step-by-step migration plan.
Rollout Compatibility testing, remediation and packaging	Conduct application compatibility testing and remediation where necessary using our application packaging factories. Legacy packages can be modified for Windows® Server 2016 compatibility, or new packages can be created with parameters to automate deployment.
Target configuration and application migration	Migration is complex, and there are multiple paths which can be taken. We work with you to execute your deployment plan — including coordination with stakeholders, system testing and user acceptance testing. When your migration path is identified, utilize Dell EMC intellectual property and tools for custom application migration and transformation.
ProSupport and ProDeploy	Optimize your budget, maintain a stable environment and deliver exceptional capabilities with our robust suite of award-winning support services, so you can focus on other forward-thinking initiatives.
Dell EMC Education Services	Take advantage of our training offerings on a variety of topics related to Microsoft technologies.

Our ultimate goal is to help you take full advantage of Windows® Server 2016 features and assist your journey to the cloud, ease downtime and relieve the strain on your IT staff.

For more information about any of our service offerings, please visit [Dell.com](http://Dell.com)