

# UNIX TO LINUX MIGRATION SERVICE

## Quickly realize cost benefits in your IT environment

### ESSENTIALS

Use a Proven Methodology from experienced Dell EMC consultants to help you reduce current and avoid future costs

- Software licenses
- IT infrastructure
- IT and HR
- Data storage
- Backup and utility
- Software and hardware support
- Data management

### BUSINESS CHALLENGES

In today's competitive global markets, enterprises are adopting new technology solutions to achieve strategic business advantages. IT environments are growing in size, scale, and complexity. CIOs and IT managers are supporting mission-critical business processes with demanding service-level agreements for internal and external customers. In addition, they must maintain extensive legacy systems for core business processes while expanding investment on innovative projects that can directly impact the bottom line. IT organizations are looking for a prescriptive, consultative approach to deliver solutions that optimize ongoing IT operations and reduce infrastructure costs. In order to meet this challenge, CIOs and IT managers are looking to maximize system performance and availability, increase efficiencies in the datacenter and use IT resources more efficiently with the goal of delivering mission-critical business processes at a reduced cost.

### SERVICE DESCRIPTION

The UNIX to Linux Migration service from Dell EMC is focused on providing value by reducing the cost of delivering mission-critical business applications to an organization. Our objective is to deliver an advanced solution that re-allocates resources to facilitate greater application innovation. By integrating with newer management and monitoring platforms, we deliver increased customer satisfaction; by virtualizing the migrated environment, we deliver increased performance and reliability. The addition of automated provisioning for Linux applications and databases enhances scalability and reduces overhead. The entire solution is designed with high availability in highly secure infrastructure to prevent data breaches of your stable, supported workloads.

Dell EMC provides overall governance of the project. The project manager will initiate, execute and close the project including coordinating weekly status meetings, delivery resources, and communication with stakeholders, to ensure your internal resources will only be called upon during agreed times to complete project tasks.

### ASSESSMENT & BASELINING

The project kicks off by reviewing current UNIX infrastructure and administrative functionality. We will also analyze current DR infrastructure including RPO/RTO metrics and disaster recovery technologies. Baseline mapping and inventory of the existing infrastructure follows. Collection of infrastructure utilization metrics and review of current network, network services, security and compliance requirements will complete the first phase of the project.

## **ANALYSIS & DESIGN**

A number of critical analyses are performed, such as application discovery, profiling and review of third party and custom legacy applications. A transformation feasibility study is performed with equivalent system recommendation in a Linux ecosystem. We provide an organizational readiness and risk analysis report in conjunction with a preliminary migration roadmap and success criteria for each application.

## **IMPLEMENTATION**

We are now ready to provide baseline environment build recommendations including I/O profiling, performance metrics & capacity planning. We will identify opportunities for application consolidation and any decommissioning of unused, under-utilized hardware, software, OS, and licensing. This is followed by validation of storage, compute, network capacity and licensing for successful migration. We will establish capacity equivalency plans between UNIX core and x86 cores and provide target state OS template standardization, orchestration and golden image definition. The conclusion of phase 3 is defined by migration timelines and definition of wave bundles.

## **MIGRATION EXECUTION**

We are now ready to execute the plan with the implementation of target environments including Dev, QA, Production and DR. Your new environment will feature streamlined operations using templates, automated provisioning and orchestration. Vendor certification of third party applications on the target platform is followed by pre-production testing, validation and performance benchmarking prior to production cutover. We then reclaim allocated network, storage and other resources in the source environment and conclude by shutting down, cleaning up, decommissioning and erasing your old environment as per compliance requirements.

## **ONGOING SUPPORT**

To finalize your migration, Dell EMC will provide knowledge transfer and run-book rehearsal, Day 2 support for unforeseen issues, and handover to operational teams, who will have confidence that they are backed by our on-going support.

## **SUMMARY OF BENEFITS**

UNIX to Linux Migration service provides a project plan detailing current state infrastructure featuring user / application dependency. Target infrastructure design and sizing; application porting definitions, and a risk assessment are delivered. Your deployment of target architecture is followed with a migration plan and execution. You are able to cutover to production with confidence as Dell EMC completes the project with the transition of operations and support processes. Begin realizing reduced current and future costs by selecting UNIX to Linux migration service.

### **CONTACT US**

To learn more, contact your local representative or authorized reseller.

