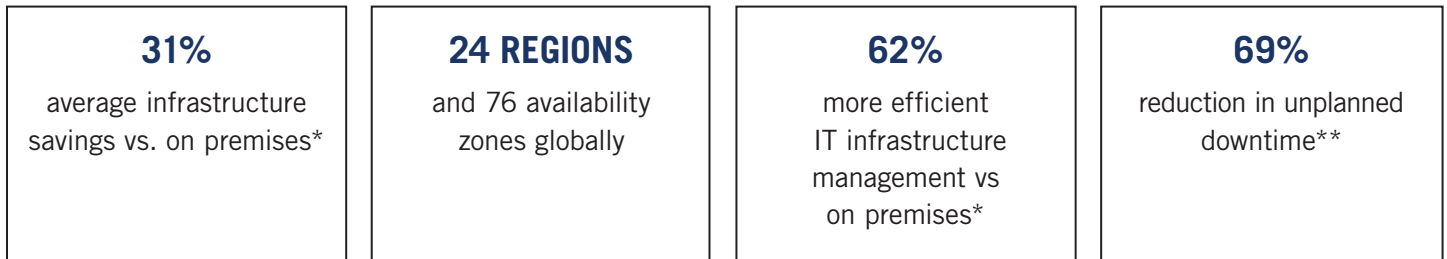# IMT'S APPROACH TO MDM ON AWS

A WELL-ARCHITECTED SOLUTION DELIVERS THE BENEFITS OF CLOUD

If you have decided to migrate MDM to the cloud, a well-architected solution can ensure you receive the advantages of AWS Cloud. IMT's AWS-certified solution architects will design and provision the right environment and architecture for your MDM platform to deliver essential benefits in stability, security, efficiency, and cost optimization.

WHY MIGRATE MDM TO AWS CLOUD?

Organizations that migrate to AWS cloud obtain tangible benefits and cost savings over traditional on-premise physical infrastructure and management approaches. For most organizations, the question is not "should we move to cloud"; the question is "how fast can we move?" and "what are we moving first?"

31% average infrastructure savings vs. on premises*	**24 REGIONS** and 76 availability zones globally	**62%** more efficient IT infrastructure management vs on premises*	**69%** reduction in unplanned downtime**

*IDC #US43535718, Fostering Business and Organizational Transformation to Generate Business Value with Amazon Web Services, February 2018
**Nucleus Research - Guidebook Understanding Value of Migrating from On-premises to AWS for Application Security and Performance, June 2020

IMT'S APPROACH TO MDM ON AWS

IMT's approach to the migration and management of MDM on AWS applies the five pillars of the AWS Well-Architected Framework to deliver the best architecture, security, and operational practices required for a reliable, secure and scalable solution.
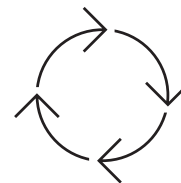
Operational Excellence	Security	Reliability	Performance Effiency	Cost Optimization

OPERATIONAL EXCELLENCE

WHAT IT MEANS: The ability to support development and run workloads effectively, gain insight into operations, and to continuously improve supporting processes and procedures to deliver business value.

IMT'S APPROACH: MDM on AWS leverages cloud native Infrastructure as Code frameworks to efficiently deploy and execute new workloads and eliminate human error. Technologies such as AWS Config, CloudWatch and CloudTrail audit events and identify opportunities for operational improvement.

SECURITY

WHAT IT MEANS: The ability to protect data, systems, and assets to take advantage of cloud technologies to improve your security.

IMT'S APPROACH: MDM is deployed in a secure HIPAA-ready environment where access to data is restricted and audited. AWS native services track Who, When, from Where and What data was accessed, and enforce that all data is encrypted in transit and at rest.

RELIABILITY

WHAT IT MEANS: Ability of a workload to perform its intended function correctly and consistently when it is expected to. This includes the ability to operate and test the workload through its total lifecycle.

IMT'S APPROACH: With IMT's modular installation approach, we can separate applications based on function and SLAs and provide architectures that seamlessly adapt to load changes and quickly recover from failures. Multi-availability zones provide redundancy and resiliency.

PERFORMANCE EFFICIENCY

WHAT IT MEANS: The ability to use computing resources efficiently to meet system requirements, and to maintain that efficiency as demand changes and technologies evolve.

IMT'S APPROACH: AWS tools enable deployment of new environments in minutes and perform patching and upgrades without downtime. Take advantage of on-demand scalability as system usage patterns or business needs change.

COST OPTIMIZATION

WHAT IT MEANS: The ability to run systems to deliver business value at the lowest price point.

IMT'S APPROACH: Flexible instance management allows you to turn off environments when not needed to save on costs. Utilization monitoring and managed database options result in reduced operational costs from physical "on-premises" infrastructure.

IMT'S AWS CLOUD ARCHITECTURE IS OPTIMIZED FOR MDM

IMT collaborates with your team to define the best infrastructure, migration and operational package for the challenges you want to solve. We apply our installation, configuration, migration and operational expertise for MDM and all enabling technologies for Integration, Stewardship and Reporting web applications and data storage in a managed solution package that applies the scalability, reliability and operational strengths of AWS.
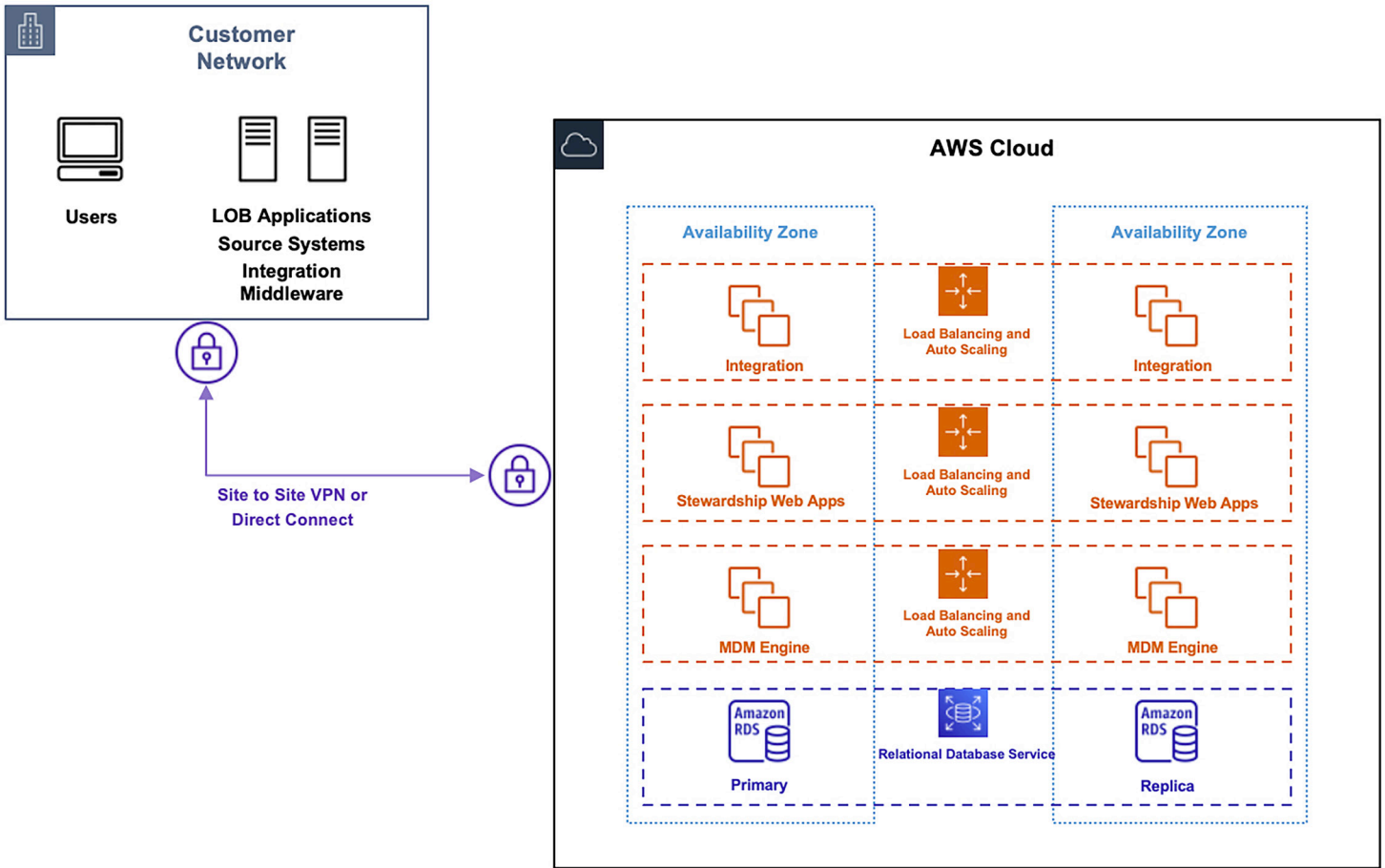
HOW TO GET STARTED

IMT's approach can be applied to different deployment scenarios based on your current challenges and goals. Depending on your capablity for change, we can prescribe the right approach for now, while delivering an architecture approach and plan that is leveragable for future expansion into cloud. Some options commonly explored are:

- Get started with MDM in AWS by migrating non-production environments and transition production over time.

- Rapidly deploy development and test environments for integration testing or algorithm optimization.

To learn more about IMT's MDM solution on AWS,
please contact sales@imt.ca to begin a needs and benefits assessment.