



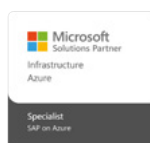
W H I T E P A P E R

**ACCELERATING ENTERPRISE
CLOUD TRANSFORMATION**

How Vnomic Migrated Newmont Mining from AWS to Microsoft Azure End-to- End in a Few Months

Prepared by : **Vnomic**
Industry : **Mining & Natural Resources**
Solution : **Datacenter and SAP Migration to Microsoft Azure**

Newmont™



Gold Cloud Platform



Executive Summary

As global enterprises accelerate digital transformation, many organizations are reevaluating their cloud infrastructure to improve operational efficiency, reduce costs, and simplify cloud governance. Large multinational companies often operate in complex multi-cloud environments due to historical infrastructure decisions, acquisitions, or phased cloud adoption strategies.



Newmont Mining, one of the world's largest gold mining companies, faced similar challenges as portions of its enterprise infrastructure operated on **Amazon Web Services (AWS)** while strategic IT initiatives were increasingly aligned with **Microsoft Azure**.

To simplify operations and optimize infrastructure, Newmont partnered with **Vnomic**, a Microsoft-focused cloud transformation partner specializing in automated datacenter and enterprise workload migrations to Azure.

Using **Vnomic's automated and engineered migration framework**, the company successfully migrated its workloads **end-to-end from AWS to Microsoft Azure in just a few months**, significantly faster than traditional migration timelines.

The migration delivered several key outcomes:

- + **Reduced cloud infrastructure costs**
- + **Simplified enterprise cloud governance**
- + **Improved system manageability and operational visibility**
- + **Eliminated duplicative cloud operations across AWS and Azure**
- + **Established Azure as the company's strategic enterprise cloud platform**



Introduction

Mining companies operate highly complex global operations that rely heavily on enterprise IT systems to support exploration, extraction, processing, logistics, and financial operations.

These systems often include:

- + **ERP platforms**
- + **Operational mining systems**
- + **Geological data platforms**
- + **Analytics and reporting platforms**
- + **Supply chain management systems**

As these workloads move to the cloud, organizations must ensure that their infrastructure is both cost-efficient and operationally scalable.

Newmont Mining sought to modernize its cloud infrastructure and consolidate workloads onto a unified platform that would provide better governance, improved performance, and lower operational costs.



Business Challenges

Prior to the migration, Newmont operated workloads across AWS infrastructure that supported various enterprise applications and data platforms. **Over time, several challenges emerged.**



Multi-Cloud Complexity

Operating workloads across multiple cloud platforms required separate operational teams, governance frameworks, and infrastructure management processes.

This resulted in duplication across several areas:

- + Infrastructure monitoring
- + Security policy management
- + Disaster recovery operations
- + Cloud cost management tools
- + Infrastructure provisioning processes

Maintaining these parallel environments increased operational complexity and reduced overall IT efficiency.



Infrastructure Cost Optimization

Newmont sought to reduce infrastructure costs associated with its cloud workloads.

AWS environments often contained:

- + Underutilized infrastructure resources
- + Inefficient instance sizing
- + Higher storage costs
- + Limited centralized cost governance

Migrating to Azure provided an opportunity to optimize infrastructure and improve cost transparency.



Governance and Security Alignment

Newmont's IT leadership sought to standardize governance and security policies across its enterprise systems.

Operating across multiple cloud platforms made it difficult to enforce consistent policies for:

- + Identity management
- + Security monitoring
- + Compliance frameworks
- + Operational reporting

Azure offered integrated governance capabilities aligned with enterprise security standards.

Solution Overview

Newmont partnered with Vnomic to design and execute a **full end-to-end migration of AWS workloads to Microsoft Azure**.

The migration focused on four strategic goals:



Cloud platform consolidation



Infrastructure cost optimization



Operational simplification



Accelerated migration timeline



Using Vnomic's automation-driven migration approach, the entire migration was completed **within a few months**, significantly faster than typical enterprise migration programs.



Vnomic Enterprise Migration Framework

Vnomic executed the migration using a **structured migration methodology** designed for enterprise-scale workloads.

Phase

1

Discovery and Assessment

The project began with a detailed discovery process to analyze Newmont's AWS infrastructure environment.

Activities included:

- + System inventory
- + Infrastructure dependency mapping
- + Performance profiling
- + Application integration analysis
- + Migration readiness evaluation

The outcome was a detailed migration plan defining the Azure target architecture and migration timeline.

Phase

2

Azure Landing Zone Deployment

Vnomic implemented a secure Azure landing zone aligned with Microsoft's **Cloud Adoption Framework**.

The landing zone included:

- + Secure virtual network architecture
- + Identity and access management integration
- + Governance policies and security controls
- + Monitoring and operational management tools
- + Backup and disaster recovery architecture

This foundation ensured the Azure environment could support **enterprise workloads securely and reliably**.



Phase

3

Automated Infrastructure Deployment

Using the Vnomic MetaDirector automation platform, infrastructure environments were deployed in Azure through automated provisioning.

Automation enabled:

- + Rapid infrastructure deployment
- + Standardized configurations
- + Reduced manual errors
- + Accelerated migration timelines

This automation framework allowed Vnomic to **deploy complex environments significantly faster** than traditional manual build processes.

Phase

4

Migration Execution

Once the Azure infrastructure environment was prepared, Vnomic executed the workload migration.

Migration activities included:

- + System replication
- + Data migration
- + Application configuration
- + Integration testing
- + Performance validation

Mock migrations were performed prior to final cutover to ensure that all workloads functioned properly in the Azure environment.

This process allowed the migration to occur **without disruption to business operations**.

Accelerated Migration Timeline



Traditional enterprise cloud migrations often take **12–24 months** due to complex infrastructure dependencies and manual deployment processes.

Using automation and an engineered migration framework, Vnomic completed Newmont's migration **within a few months**, dramatically accelerating the transformation timeline.

Key factors enabling the accelerated migration included:

- + Automated infrastructure deployment
- + Structured migration methodology
- + Pre-built Azure architecture templates
- + Automated validation processes



Business Outcomes



Reduced Infrastructure Costs

Migrating workloads from AWS to Azure allowed Newmont to optimize its infrastructure environment and reduce overall cloud spending.

Cost savings were achieved through:

- + Optimized virtual machine sizing
- + Improved storage architecture
- + Consolidated infrastructure resources
- + Azure cost optimization programs



Improved Manageability

Azure provides integrated management capabilities that allow Newmont's IT teams to monitor and manage enterprise workloads from a centralized platform.

These capabilities include:

- + Policy-based governance
- + Automated compliance monitoring
- + Centralized security management



Simplified Cloud Operations

Consolidating workloads onto a single cloud platform eliminated the need to maintain parallel operational environments across AWS and Azure.

Operational teams now benefit from:

- + Unified infrastructure management
- + Centralized monitoring tools
- + Standardized governance policies



Scalable Cloud Platform

The new Azure environment provides Newmont with a scalable infrastructure platform capable of supporting future digital transformation initiatives.

The platform supports integration with:

- + Advanced analytics platforms
- + AI and machine learning tools
- + Data processing frameworks
- + Modern cloud-native applications



Why Vnomic

Vnomic specializes in enterprise-scale cloud transformations, including:

- + Datacenter migrations to Azure
- + SAP migrations to Azure
- + Cloud governance and FinOps optimization
- + Disaster recovery automation

The company's automated and engineered migration approach enables organizations to migrate complex enterprise environments faster and with reduced risk.



Conclusion

Newmont Mining's migration from AWS to Microsoft Azure demonstrates how organizations can accelerate cloud transformation while reducing costs and improving operational efficiency.

By partnering with Vnomic, **Newmont successfully:**

- + **Completed a full end-to-end migration from AWS to Azure in a few months**
- + **Reduced infrastructure costs**
- + **Simplified cloud governance and operations**
- + **Improved system manageability**
- + **Established Azure as its strategic enterprise cloud platform**



The migration provides a **scalable and efficient cloud foundation** capable of supporting Newmont's global operations and future innovation initiatives.

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