Migration of Domino Node Pools to IBM Gen3 Infrastructure

# 1. Overview

As part of our ongoing infrastructure optimization, all Domino node pools have been successfully migrated to IBM Gen3 nodes. This migration ensures improved performance, enhanced memory capacity (+50%), and better scalability for Data Science workloads.

# 2. Objectives

- Replace the existing Gen2 nodes with Gen3 nodes.

- Improve CPU and memory thresholds available to users.

- Standardize all node pools to the latest generation of IBM hardware.

# 3. Achievements

✅ All Domino node pools are now running on IBM Gen3 infrastructure.

✅ Memory capacity has been increased by +50% per node.

✅ Performance and stability improvements confirmed through monitoring.

# 4. Evidence

- Grafana Dashboard: CPU and memory thresholds updated (see screenshot below).

- Domino Admin Interface: Confirmation of Gen3 nodes usage across all node pools (see screenshot below).

Insert Screenshot 1: Grafana Dashboard

Insert Screenshot 2: Domino Admin Console

# 5. Next Steps

- Continuous monitoring of resource usage and stability.

- Optimization of node pool sizes if required.

- Communicate to all Data Scientists about the availability of improved resources.

# 6. Jira Reference

This migration is tracked under Jira ticket: TCAS3260-953