OCI Cloud Guard Integration - Progress Summary

1. Created VCN and VM instance with OCI CLI and Fn CLI installed.

2. Configured Fn context to point to tenancy (compartment, region, API URL).

3. Created an Application in OCI Functions: cloud-guard-processing-app.

4. Initialized and built a Python Function: cloud_guard_processor.

5. Resolved Docker login issues with OCIR (authentication using auth token).

6. Corrected FN_REGISTRY and successfully deployed function to OCIR.

7. Verified function deployment with fn invoke (initially returned 502 errors).

8. Added Python handler (func.py) to process Cloud Guard events and save them to Object Storage.

9. Configured environment variables: BUCKET_NAME and COMPARTMENT_OCID.

10. Fixed indentation errors in func.py (resolved 502 due to Python crash).

11. Enabled FunctionsExecution logs to capture Python logs and errors.

12. Function now runs, but receives 'NamespaceNotFound' (403 disguised as 404).

   → Root cause: Dynamic Group/IAM policy not granting Object Storage access.

13. Next Action: Add Dynamic Group rule including function OCID and policy allowing 'manage objects'