



NGA UNCLASSIFIED DATA LAKE (NUDL)

EMPOWERING GEOINT COLLABORATION
AND INNOVATION PIPELINES

ABOUT US

1

COLLABORATIVE PLATFORM

Provides a consistent IT solution for those that have a written agreement with NGA - welcoming users from academia, industry, and mission partners

2

DATA LAKE & SANDBOX ENVIRONMENT

Serves as a content Store and a place for experimentation, demonstration, and innovation underpinned by the latest 12 months of commercial imagery

3

CLOUD-BASED PLATFORM

Provides access to scalable compute services, API integration, industry-standard GEOINT tools with a data and model exchange

CAPABILITIES & BENEFITS

Authentic Enterprise Services: Enables realistic demonstrations for adoption and scaling

Secure Data Management: Ensures secure data management and isolation for intellectual property demonstrations. Streamlines the development and testing of machine learning models



BRING YOUR ALGORITHMS

Bring your external algorithms and run them on NUDL imagery



AI/ML

Amazon SageMaker Studio augments AI/ML and Computer Vision workflows via incorporated JupyterLab Notebooks



IMAGERY

Our Catalog provides access to more than 1 Million COMEO/COMSAR images across the globe



GEOSPATIAL

Leverage images to create geospatial products with built-in ESRI ArcGIS

REAL-WORLD MISSION IMPACTS

Enabling Analytics: NUDL provided the ability to rapidly integrate publicly available sources through the automation of data transfer and the implementation of image science algorithms

Adoption of NUDL Services: Embraced as a humanitarian tool and a comprehensive data catalog within NGA, NUDL drives impactful change and informed decision-making



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