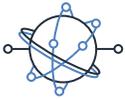


Enterprise Accelerator



Challenges

A world of data but no means to use it

Massive volumes of geospatial data are being produced every day, but it is nearly impossible for companies to benefit from the potential insights. Hiring for, building, and maintaining the infrastructure needed to do global geospatial analysis is cost prohibitive (>\$2MM/yr in cloud costs alone), which delays going to market and capitalizing on competitive advantage by 12+ months. Pipelines that have been built successfully are heavily tuned to specific satellite imagery datasets and do not scale horizontally. Data scientists are blocked by data engineering problems, while effectively using this data requires deep geospatial expertise that is difficult to hire.



The Descartes Labs Solution

Save cloud & engineering costs with a turnkey geospatial solution

The Descartes Labs Platform simplifies the exploration and analysis of geospatial data to answer key questions about the physical world. Customers are empowered to build and run planetary-scale geospatial models and derive insights that drive more informed business decisions. With the platform, data scientists and data engineers do not need to be experts in remote sensing to get started and they have access to the data and tools needed to take models from prototype to production quickly and easily. Descartes Labs creates a unified interface to analysis-ready data (ARD), enabling teams to capture the value of geospatial and get to market faster.

Benefits

Rapid deployment of raster analytics at planetary scale



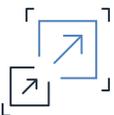
Reduce R&D costs & timelines

Data science teams can save up to \$2 million in data engineering costs & months of development time



Eliminate the data headache

Petabytes of normalized, analysis-ready data are stored in an single easy-to-access & easy-to-search catalog



Deploy geospatial applications at scale

A turn-key geospatial data backend enables the creation of scaleable, production-ready data processing pipelines



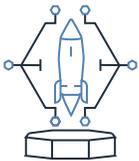
Drive innovation

Simplifying the way geospatial data is presented & integrated means users can focus on their expertise & the science behind their models, rather than implementation

Descartes Labs on AWS

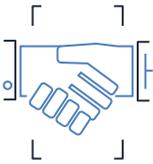
Descartes Labs technology on AWS enables companies to harmonize hundreds of data sources across a single catalog and perform global scale modeling and analytics to support critical business applications. Customers can instantly access a curated set of analysis-ready datasets, build out optimized ML/AI based solutions, and seamlessly move from prototype to production. Models can be tested, optimized, and deployed at scale within AWS cloud compute to achieve efficient and reliable production pipelines. By leveraging best-in-class AWS services—Sagemaker, Lambda, Batch, S3 and more—alongside Descartes Labs services, customers expedite their time to market and position themselves for expansion.

Features



Managed data infrastructure and analytic pipelines

Descartes Labs Enterprise Accelerator has the necessary backend infrastructure already in place, so customers can hit the ground running building and deploying geospatial models. Models can easily be scaled from a single AOI to a large geographic region, without moving to a new environment or starting from scratch, saving both time and engineering costs.



Seamlessly integrates with AWS services

Enterprise Accelerator allows data scientists and engineers to leverage the tools and services on AWS that they are already familiar with (Sagemaker, Lambda, S3, and more), making it simple to bring Earth Observation data into their processes. This eliminates the need to learn an entirely new software, so customers can focus on building models and deploying them at scale quickly and cost effectively.

Case Study: Aspia Space



Challenges

The synthetic aperture radar (SAR) data Aspia Space uses in their ClearSky product is difficult to process and interpret compared to traditional satellite imagery.



Solution

The Descartes Labs Platform and specially-processed SAR data powers Aspia’s ClearSky product, providing them with the ingest pipelines & global raster data to fuel their application.



Results

The Descartes Labs Platform, and the global SAR data available, enabled Aspia Space to focus on the science behind their product, ultimately allowing them to get to market faster.

Get started with Descartes Labs solutions on AWS

Visit AWS Marketplace [descarteslabs.com](https://aws.amazon.com/marketplace/DescartesLabs) to purchase or start a Free Trial today.