iguazio

Collect

Prepare

Train

Deploy

Real-time Data Layer

Bring Your Data Science to Life

The Iguazio Data Science Platform enables you to develop, deploy and manage AI applications at scale, transforming AI projects into real-world business outcomes. With Iguazio, you can build and run AI applications in real-time, deploy them anywhere (multi-cloud, on-prem, edge), and bring to life your most ambitious data-driven strategies.
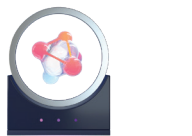
COLLECT DATA FROM ANY DATA SOURCE

Leverage dynamically scaling Nuclio Functions to collect data from various sources, as well as merge and enrich data from ETL, real-time streaming and web scraping on the fly. Store the data in Iguazio's real-time data layer which supports simultaneous access using standard NoSQL, SQL, time series and file APIs.

PREPARE AND EXPLORE ONLINE AND OFFLINE DATA AT SCALE

Explore online and offline data at scale, using simple APIs, managed analytics tools and managed notebooks over Kubernetes and Iguazio's real-time multi-model data layer. Automate data pipelines, feature generation and tracking of jobs and artifacts, while eliminating complex data operations.

ACCELERATE AND AUTOMATE TRAINING

Work with pre-packaged Python libraries like Scikit Learn, Dask, Pytorch and TensorFlow. Jobs dynamically scale, over pools of CPUs, GPUs, and data resources. The platform also incorporates autoML tools, Kubeflow for workflow orchestration and serverless functions.

DEPLOY APIs AND MODELS ANYWHERE WITH ONE CLICK

Deploy models and smart APIs from Jupyter notebooks or Jupyter notebook or an SDK in just a few commands and in a reproducible way. The code is deployed as a function with all of its relevant configurations and is immediately ready to run in a serving layer either on Iguazio's scalable platform or on a 3rd party cluster.

SAMSUNG   NVIDIA   Microsoft   intel   CME Group   DELLEMC   EQUINIX   Google

The Technology

MLRun

Simpler & Faster Way To Production

Online + Offline Feature Store	ML Lifecycle Orchestration	Dev + Real-Time Pipelines

Dynamic Scaling & Simple Operations

"Serverless" Abstraction & Automation

Analytics	AI / ML	MLOps
HIVE, Spark	HOROVOD, lean	nuclio, jupyter
presto, DASK	PyTorch, TensorFlow	Grafana, Kubeflow

Data Abstraction, RBAC and Tracking

Big & Fast Data On Any Cloud

Iguazio' Real-Time Multi-Model Data Layer	External Data Sources (file, object, DBs)

Benefits

Managed and Open

Fully Automated

Performance at Scale

Secure Data Collaboration

Multi-Cloud, On-Prem, Edge

quadient
Because connections matter.

"Iguazio allowed us to unify and combine any data type to create real-time machine learning models with an out of the box data science toolkit. That to us was worth its weight in gold."

Jason Evans, Director of DXP Innovation, Quadient

FIND OUT MORE ON   **www.iguazio.com**