

Automating Machine Learning Pipelines on Azure and Azure Stack

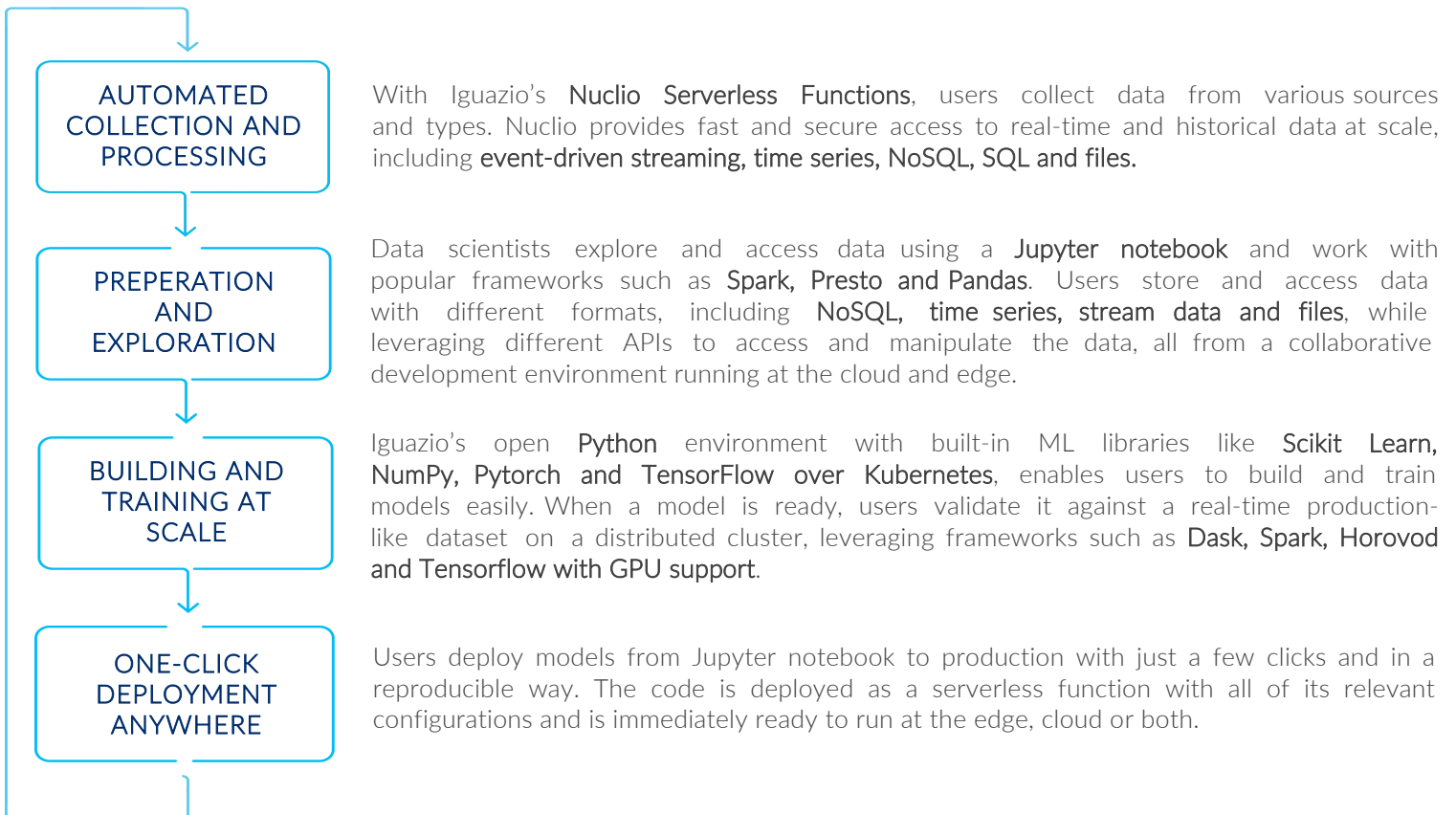
Across Edge and Hybrid Deployments

Ever wondered if it's possible to train machine learning (ML) models with regulated data which can't be sent to the cloud? Has your edge solution gathered so much data that it just doesn't make sense to send it all to the cloud? Iguazio brings the cloud's intelligence to the edge enabling you to perform analytics locally and send aggregated data to the cloud.

Iguazio's partnership with Microsoft creates new possibilities for Azure and Azure Stack customers to develop end-to-end ML-based applications which may reside in the cloud, at the edge or across a hybrid deployment. Iguazio augments the capabilities of Azure and Azure Stack by providing:

- A self-service framework for ML tools based on leading open source ML projects
- A high performance and unified data fabric
- Serverless automation

A Complete ML Pipeline Running in the Cloud, at the Edge or as a Hybrid Deployment



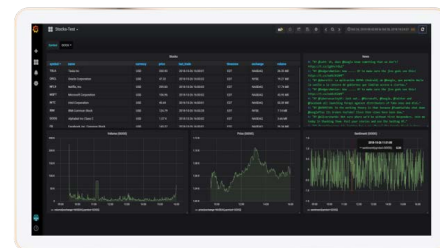
ML PIPELINE AUTOMATION (KUBEFLOW)

Iguazio provides workflow automation as a service and includes **KubeFlow**, the leading tool in the industry for ML pipeline management. This enables users to streamline the process of experimentation and inferencing.

Customer Demos Presented at Microsoft Inspire 2019

REAL-TIME LOCATION-BASED RECOMMENDATIONS

A leading telco uses Iguazio to recommend products to customers in real-time based on historical behavior, profile and geo location. The platform collects real-time transaction and location data enriched with open and regulated data. Data is then analyzed with a location/topic-based recommendation engine which sends matching product coupons via text messages. Users view real-time recommendations and predictions on live dashboards.

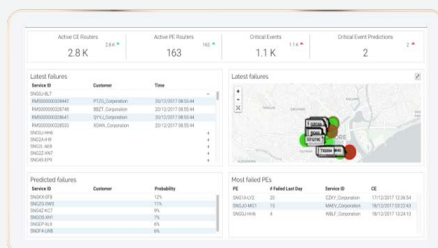
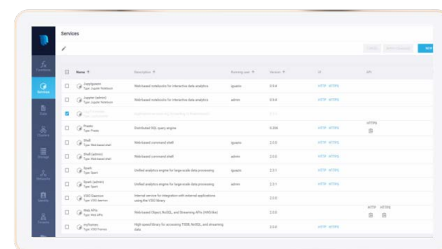


REAL-TIME STOCK PERFORMANCE AND SENTIMENT ANALYSIS

Global banks deploy Iguazio to predict and avoid latencies in their electronic trading platforms. The platform performs real-time tweet sentiment analysis and tick feed analysis using Jupyter notebook, Spark and time series data. Real-time results and predictions are served on Grafana dashboards.

INVESTMENT RECOMMENDATIONS

A leading financial services company analyzes customer transactions and proactively sends recommendations. Iguazio provides a secure and shared environment with the required building blocks for a seamless customer experience. It simplifies the process from training to production, reducing dependencies on data engineering and ensuring that the production and training environments are the same.

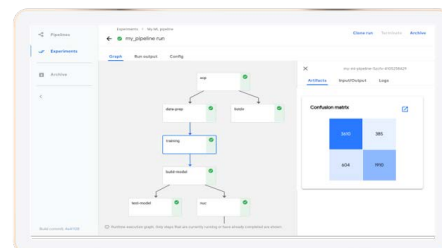


REAL-TIME INFRASTRUCTURE MANAGEMENT

A global telco uses Iguazio to predict network outages and avoid them in real-time. The platform processes high message throughput of time-series data from multiple streams correlated with historical data, to generate real-time ML-based outage predictions, root cause analysis and pre-programmed triggers for preemptive fixes. Insights are served via interactive dashboards, alerts and automated actions.

THE FIRST INTEGRATION OF KUBEFLOW WITH AZURE STACK

Iguazio's managed KubeFlow enables Azure customers to manage experiments, runs and artifacts and build workflows using code or reusable components. With Iguazio, users gain seamless data access and parallelism, authentication, RBAC and data security, distributed training and GPU acceleration as well as execution, data tracking and versioning.



ABOUT IGUAZIO

Iguazio provides a Data Science Platform to automate machine learning pipelines, enabling fast development and deployment of AI applications. It enables data scientists, who spend most of their time on plumbing, management and deployment, to focus on delivering better, more accurate and more powerful solutions. Iguazio powers data science for manufacturing, healthcare, insurance, financial services and telcos. Backed by top VCs and strategic investors, the company is led by serial entrepreneurs and a diverse team of seasoned innovators in the USA, UK, Singapore and Israel.