



Advanced Analytics  
Has Never Been Easier

CLOUD DATASHEET



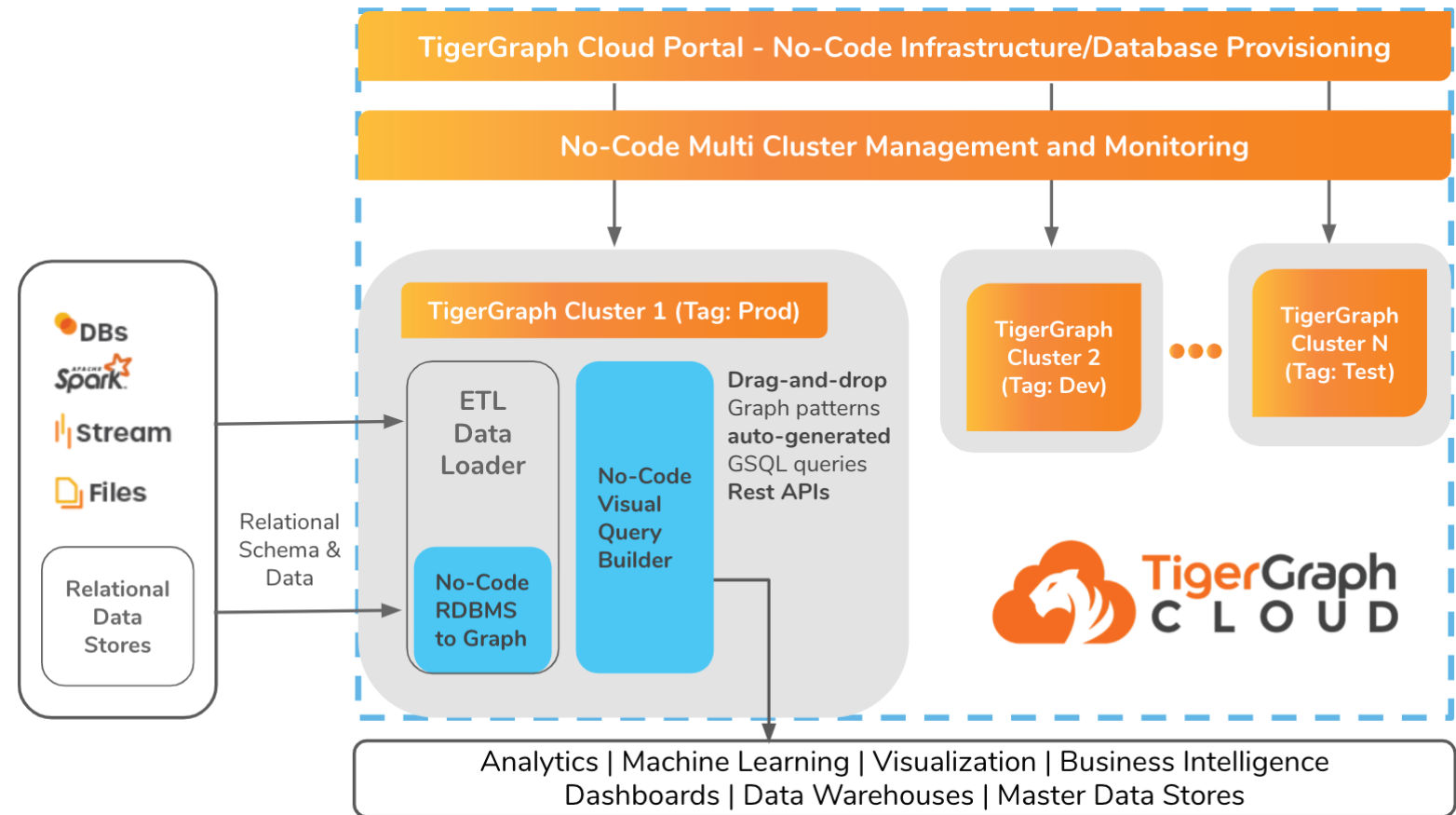
TigerGraph Cloud, the industry's first and only distributed native graph database-as-a-service, helps businesses harness the power of the graph. It is built for people who'd rather be building innovative applications that deliver new insights than managing databases.

Historically, organizations have had to rely on data scientists to design their graph analytics solutions. This has changed with TigerGraph Cloud, which makes graph accessible to all. TigerGraph Cloud is an easy-to-use service that is the ideal way to process analytical and transactional workloads in real-time. It allows users to get started in minutes, build a proof-of-concept model in hours and deploy a solution to production in days.

TigerGraph Cloud eliminates the need to set up, configure or manage servers, schedule backups or look for security vulnerabilities. It also enables users to scale their graph solution up to tens of terabytes and support more than 100,000 real-time deep link analytics queries per second on a single machine.

TigerGraph Cloud delivers simplicity and its elastic pricing means users only pay for the hours they use. It's ability to do SQL-like database computation along with ACID-compliant transactions benefits users with a lower total-cost-of-ownership compared to other platforms. Moreover, businesses can use the cloud vendor of their choice as TigerGraph Cloud is available on Amazon Web Services and Microsoft Azure.

## The TigerGraph Cloud No-Code Pipeline



With just a few clicks, everyone from data scientists to business users, in organizations of all sizes, can leverage an innovative no-code pipeline and infrastructure stack to run queries faster than ever before.

# Advantages



## Headache Free

No hardware to buy or manage and the integration and scaling are easy. Plus, it's managed by the same experts who developed TigerGraph Enterprise.



## Outstanding Performance

Obtain answers to your queries with lightning speeds, even with massive datasets, because of our auto-partitioning and parallel processing.



## Flexible Pricing

Pay as you go, with a range of instances to fit your needs. We'll give you a \$25 credit to get started, and there's even a free tier.



## Cloud Neutral

Run TigerGraph Cloud on AWS or Azure. It's up to you.



## Always On

Be confident that your service will never go down with our continuous availability setting. We'll support you 24/7 and backup your data automatically.



## Protected

You can rest assured that your data is safe and secure because our availability, processing integrity, confidentiality, and privacy processes fully comply with SOC 2 requirements.



**The value of graph, with AI algorithms on top, is that not only can we monitor an enterprise, we can predict - and that allows us to avoid problems before they happen.**

Edward Sverdlin, Vice President,  
Advanced Technology Collaborative,  
UnitedHealth Group





# Simple to Use

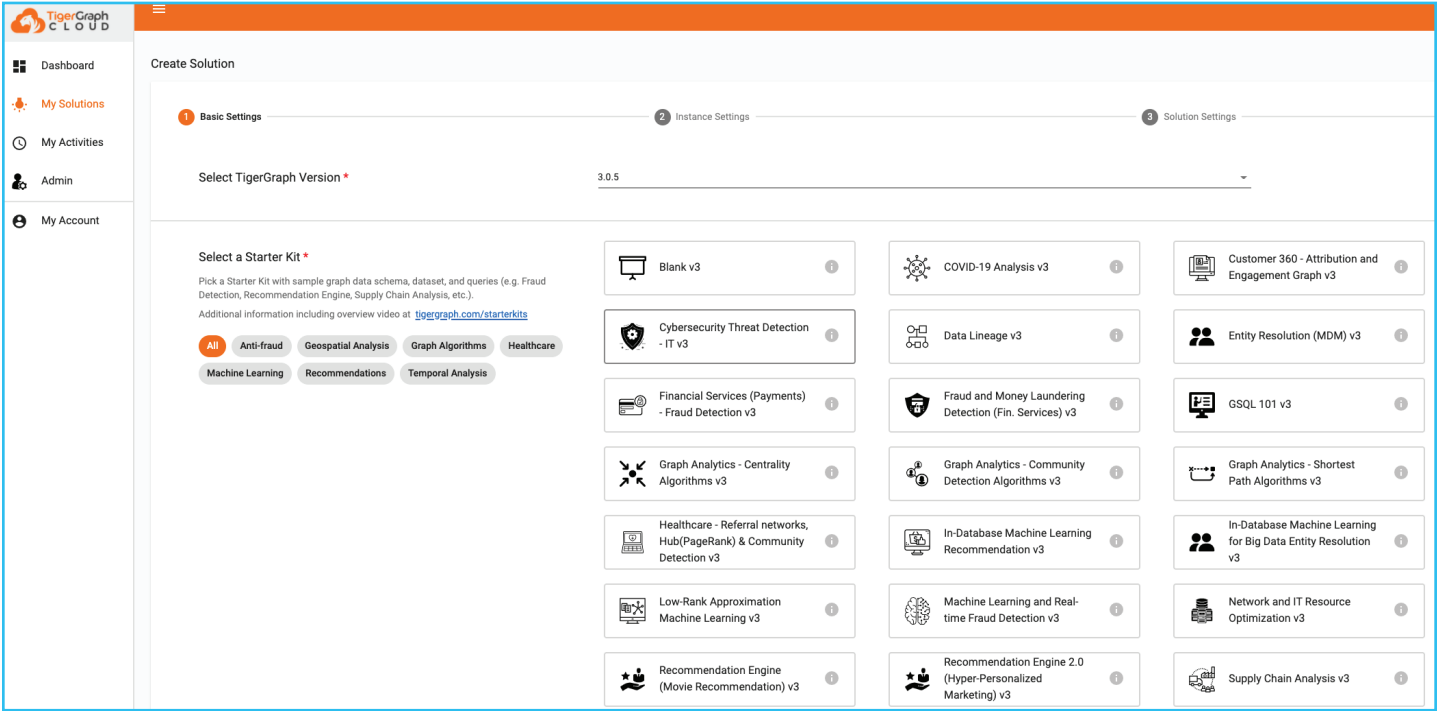
**Convenient Starter Kits**—TigerGraph Cloud users can build a complete proof of concept in mere hours from one of over 20 starter kits that cover real-world industry use cases such as customer 360, fraud detection, personalized real-time recommendation, hub or influencer computation, supply chain analysis, neural networks, cybersecurity and more. Starter kits are pre-built with sample graph data schema, dataset, and queries focused on specific use cases such as fraud detection, real-time recommendation, machine learning, explainable AI and more.

**Visual and Intuitive Portal**—TigerGraph Cloud’s Dashboard shows you graphical summaries of all your deployed solutions, your usage, and the latest account activity. My Solution gives details about each solution and lets you start or stop a solution with a click. Choose and configure a new solution in seconds. Within each solution, the Admin Portal provides visual interfaces for system monitoring, user management, and backup/restore.

**Fast Distributed Cluster Provisioning**—TigerGraph Cloud includes configuration for distributed graphs and replica instances for high availability and large production datasets. Users can start for free, then expand across clusters as their data size increases.

**User-Friendly Developer Experience**—TigerGraph GraphStudio is an intuitive solution development kit. GraphStudio makes it simple to traverse connected business entities, find connections among payments, claims, orders, customers and citizens, discover meaningful behavior patterns such as fraud rings and propensity to buy a specific product, and search the dataset for matching entities and patterns, all within an easy-to-use, intuitive graphical user interface.

## TigerGraph Cloud Starter Kits



There are over 20 TigerGraph Cloud Starter Kits built with sample graph data schema, dataset, and queries focused on a specific use case such as Fraud Detection, Recommendation Engine, Supply Chain Analysis and/or a specific industry such as healthcare, pharmaceutical or financial services. See the full list of Cloud Starter Kits: <https://www.tigergraph.com/starterkits/>

## Graph and AI/Machine Learning

TigerGraph Cloud is the graph database platform for running artificial intelligence / machine learning projects. A rich library of starter kits is available including:

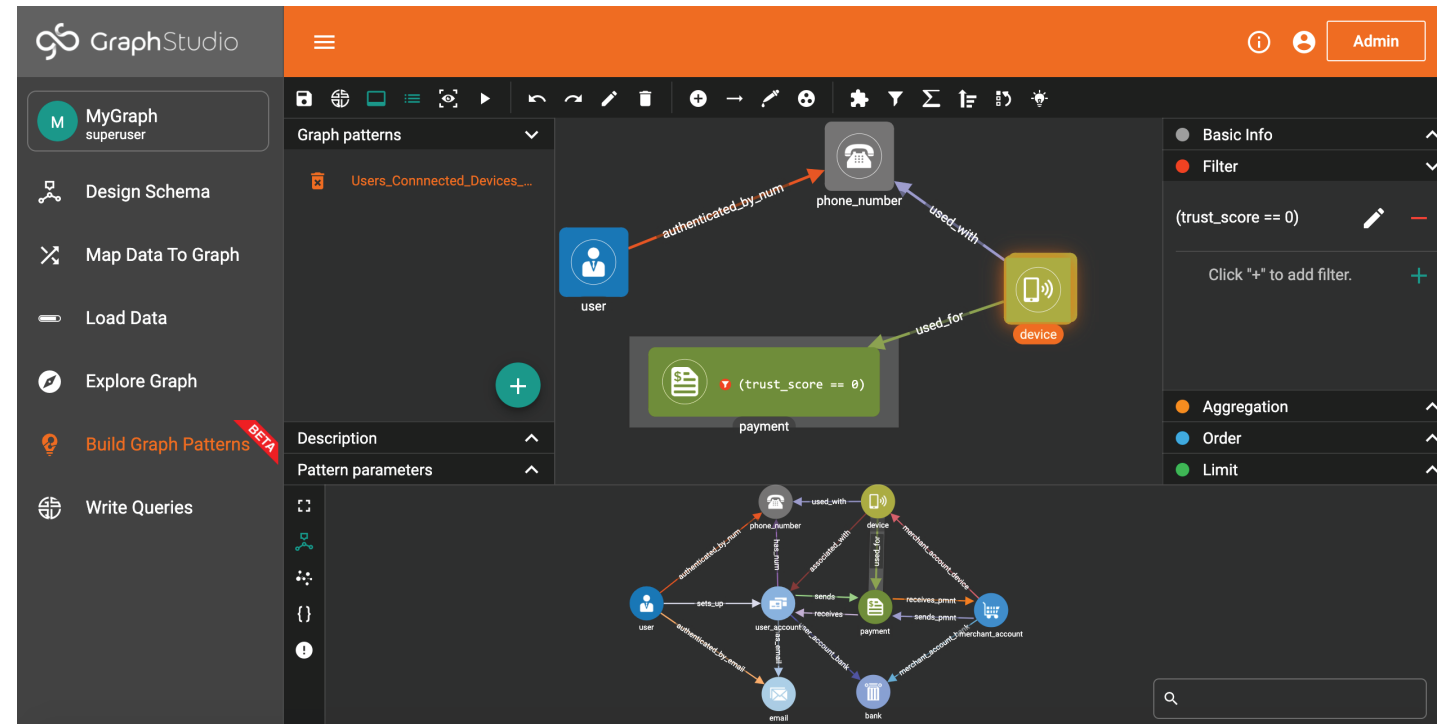
- In-Database Machine Learning Recommendation—Provide content and product suggestions using an in-database machine learning recommendation system.
- In-Database Machine Learning for Big Data Entity Resolution—Match, link and group entities for creating a single identity across large datasets with in-database machine learning.
- Low-Rank Approximation Machine Learning—Implement the low-rank approximation technique natively in-database to deliver personalized recommendations

## Latest Functionality

TigerGraph Cloud now runs on TigerGraph 3.0, delivering a number of high-impact features that address user experience as well as system performance and management. Here are the some of the latest features:

TigerGraph 3.0, with its “no code graph analytics,” is democratizing the adoption of advanced analytics using:

- No Code Migration from Relational DB—Unlock the massive potential in relational data stores (DB instances, data warehouses, data marts) by providing a no-code path to convert schema and load data to a graph.
- No Code Graph Analytics with Visual Query Builder—Run graph queries using intuitive drag-and-drop functionality, meaning non-technical users can reap the benefits of advanced graph analytics.





# Get Started

## Some of Our Customers



## Try Cloud for Free

[TigerGraph Cloud](#) graph database as a service is built for agile teams who'd rather be building innovative applications to deliver new insights than managing databases.

TigerGraph Cloud [Starter Kits](#) are built with sample graph data schema, dataset, and queries focused on specific use cases such as fraud detection, recommendation engine, supply chain analysis and/or a specific industry such as healthcare, pharmaceutical or financial services.

## Customer Benefits:

- Real-time fraud detection at 7 out of the world's top 10 global banks
- Care path recommendations for 50 million patients
- Personalized offers for 300 million consumers
- Energy infrastructure optimization for 1 billion people



"With TigerGraph we can join sources of data together and make connections within the data that previously we couldn't. We can now answer questions that, for the last 20 years, we didn't think were possible to ask."

Harry Powell | Director of Data & Analytics [Jaguar Land Rover](#)

## About TigerGraph

TigerGraph is the only scalable graph database for the enterprise. TigerGraph's proven technology connects data silos for deeper, wider and operational analytics at scale. Four out of the top five global banks use TigerGraph for real-time fraud detection. Over 50 million patients receive care path recommendations to assist them on their wellness journey. 300 million consumers receive personalized offers with recommendation engines powered by TigerGraph. The energy infrastructure for 1 billion people is optimized by TigerGraph for reducing power outages. TigerGraph's proven technology supports applications such as fraud detection, customer 360, MDM, IoT, AI, and machine learning.

For more information visit [www.tigergraph.com](http://www.tigergraph.com) and follow us at: [Facebook](#) [Twitter](#) [LinkedIn](#)

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CLOUD STARTER KITS	OVERVIEW
COVID-19 ANALYSIS	Detect hubs of infection and track the movements of potential spreaders
CUSTOMER 360-ATTRIBUTION & ENGAGEMENT GRAPH	Create a real-time 360 view of the customer journey for attribution and engagement insights.
CYBERSECURITY THREAT DETECTION-IT	Block cybersecurity threats by detecting interconnected events, devices and people
ENTERPRISE KNOWLEDGE GRAPH (CORPORATE DATA)	Analysis of corporate data including investors and key stakeholders.
ENTERPRISE KNOWLEDGE GRAPH (CRUNCHBASE)	Knowledge graph examples featuring crunchbase data with startups, founders and companies.
ENTITY RESOLUTION (MDM)	Identify, link and merge entities such as customers with analysis of attributes and relationships.
FRAUD & MONEY LAUNDERING DETECTION	Multiple types of fraud and money laundering patterns.
GSQL 101	Introduction to TigerGraphs powerful graph query language.
HEALTHCARE GRAPH ( DRUG INTERACTION/ FAERS)	Healthcare example focused on public (FAERS) and private data for pharmaceutical drugs.
HEALTHCARE-REFERRAL NETWORKS, HUB (PAGERANK) & COMMUNITY DETECTION	Analyze member claims to establish referral networks, identify most influential prescriber's and discover the connected prescriber communities.
MACHINE LEARNING & REAL-TIME FRAUD DETECTION	Mobile industry example for detecting fraud in real-time and generating graph-based features for training the machine learning solution.
NETWORK & IT RESOURCE OPTIMIZATION	Network and IT resource graph for modeling and analyzing the impact of the hardware outage on workloads.
RECOMMENDATION ENGINE (MOVIE RECOMMENDATION)	Graph-based movie recommendation engine built with public data.
SOCIAL NETWORK ANALYSIS	Social network example for understanding and analyzing relationships.
SUPPLY CHAIN ANALYSIS	Example covering inventory and impact analysis.