Unlock the Power of Your Multi-Cloud Data

Panzura's new Vizion.ai™ multi-cloud data management SaaS solution empowers unstructured data in unprecedented ways

panzura | **VIZION.AI**

Too Many Clouds, Too Much Data?

The cloud has often been hailed as a panacea for all problems related to cost, compute, storage and collaboration. Yet, today the cloud is becoming a vast global data dump — one that causes a lack of data insight, spurs latency problems and impedes collaboration.

Companies face:

- Data Sprawl. An explosion of unstructured data caused by mobile, IoT and widespread digitalization, resulting in spiraling costs and administrative problems

- Great difficulties creating a "single source of truth" and a single view that lets business and technology leaders confidently analyze and control key data

PROBLEM
How valuable is your cloud if it hurts business performance and competitiveness because your decision makers can't quickly find and mobilize trusted data crucial to Big Data analysis, security, compliance, DevOps and other key functions?

2X

Data creation doubles every 2 years and 80% of that data is unstructured

Current Fixes Fall Flat in a Multi-Cloud World

Legacy storage and management approaches can't locate unstructured data scattered across data centers and clouds and make it actionable

#FAIL 1
Network Attached Storage. Traditional NAS can only share locally. High CapEx and OpEx. Limited data resiliency, scalability, copy data control.

#FAIL 2
Building custom search tools. Costly. Impractical for most organizations.

#FAIL 3
Standardizing on a single cloud and vendor. Unrealistic and unwise. Invitation to lock-in.

Legacy NAS can't answer key questions such as: *Where is this data? Is it the latest copy? Safely backed up? Easily movable? Secure? Auditable?*

Breaking Through Data Management Barriers

Meet Vizion.ai, a new multi-cloud data management services platform from Panzura. This enterprise "power tool" helps unlock the value of unstructured data by making it easier to find and share data scattered across siloed public and private clouds.

Vizion.ai drives smarter strategy and operations by enabling:

UNIFIED INSTANT SEARCH
Conduct global search and retrieval across multiple clouds (Google Cloud, Microsoft Azure, AWS, IBM and others), and on-premise data centers though one secure portal

SINGLE SOURCE FOR ANALYTICS
A "gold copy" of data, powering fast, reliable enterprise-wide analysis and policy-driven control. Always current, always available

SMARTER DATA MANAGEMENT AND CONTROL
Integrated indexing, improved orchestration and advanced machine learning analytics help enterprises discover patterns more quickly. The result? Improved collaboration, analysis, control and compliance — and better choices to manage cost, agility, governance and security

Make Sense of Your Data

Your business decision makers cannot succeed without accurate information. First rate data analysis depends on accurate data search. According to IDC, the average company spends $2.5 million a year on data search. An inability to instantly locate, search, index, access and mobilize the most current and accurate data greatly hinders executive insight and action.

Why compromise on vital everyday analytic tasks such as:

1. Exporting log files into Hadoop cluster in Azure for security analysis

2. Exporting data sets to Google Tensorflow for classification analysis

3. Searching specific data or tags in AWS, using Rekognition (or social security number or other PII) that would otherwise prevent adherence to compliance policies

The Vizion.ai platform speeds time to insight with intelligent web-scale architecture and centralized meta-data index and search. Upcoming releases will further boost business productivity, value and bottom-line impact with "deep content" search and non-disruptive alerts for vital information.
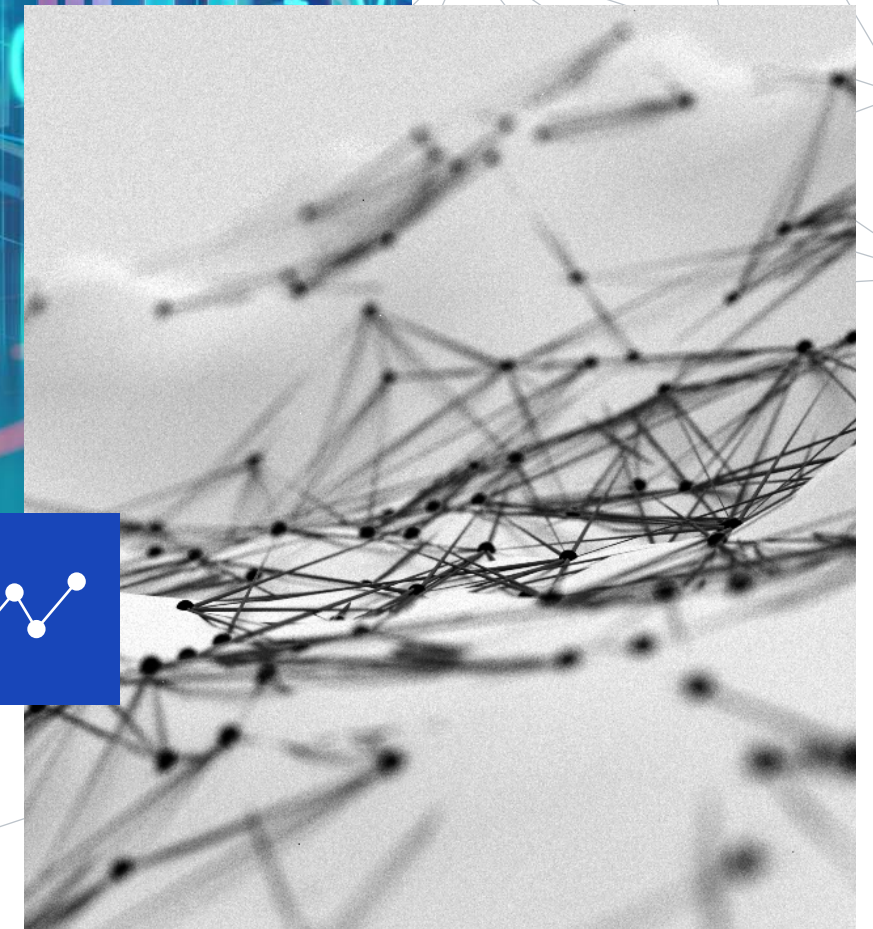
Accounting for Data Management

In a world where G.D.P.R. regulations drive your data policies, and the threat of cyberattacks imperil your intellectual property, data control and auditing capabilities are now mission critical in every organization.

EXAMPLE:
A traveling executive visits multiple company offices, accessing different data in the cloud. Suddenly, an urgent demand for a high-stakes discovery: Provide a record of all his data searches last week.

Unfortunately, for many organizations, that's difficult or impossible. One common reason: enterprise policies are complicated or stymied by Microsoft One Drive, Google Drive and other popular but siloed cloud storage apps.

Vizion.ai is a powerful, automated tool for compliance and security — even across outside services. Your team can search metadata for a specific user, file type, share, date ranges, when modified or accessed, etc. across multi-clouds and Panzura filers, speeding discovery.

Protect I.P. and Avoid the "Snowden Effect"

The theft of thousands of classified security documents by CIA contractor Edward Snowden was a loud wake-up call: Get serious about protecting intellectual property.

Vizion.ai helps spot, track and deter costly intellectual property loss. The system acts as a DVR that collects and analyzes all file activity. Now, administrators can ask: "Show me what employee #75283 accessed over the last month" or "who's downloaded employee-list.xlsx?"

Vizion.ai's ability to audit user behavior patterns helps identify and alert unusual activity before a rogue employee causes serious reputational and financial damage.

EMPLOYEE #75283:
- Repeatedly queried?
- Deleted files?
- Downloaded an unusual number of key files?
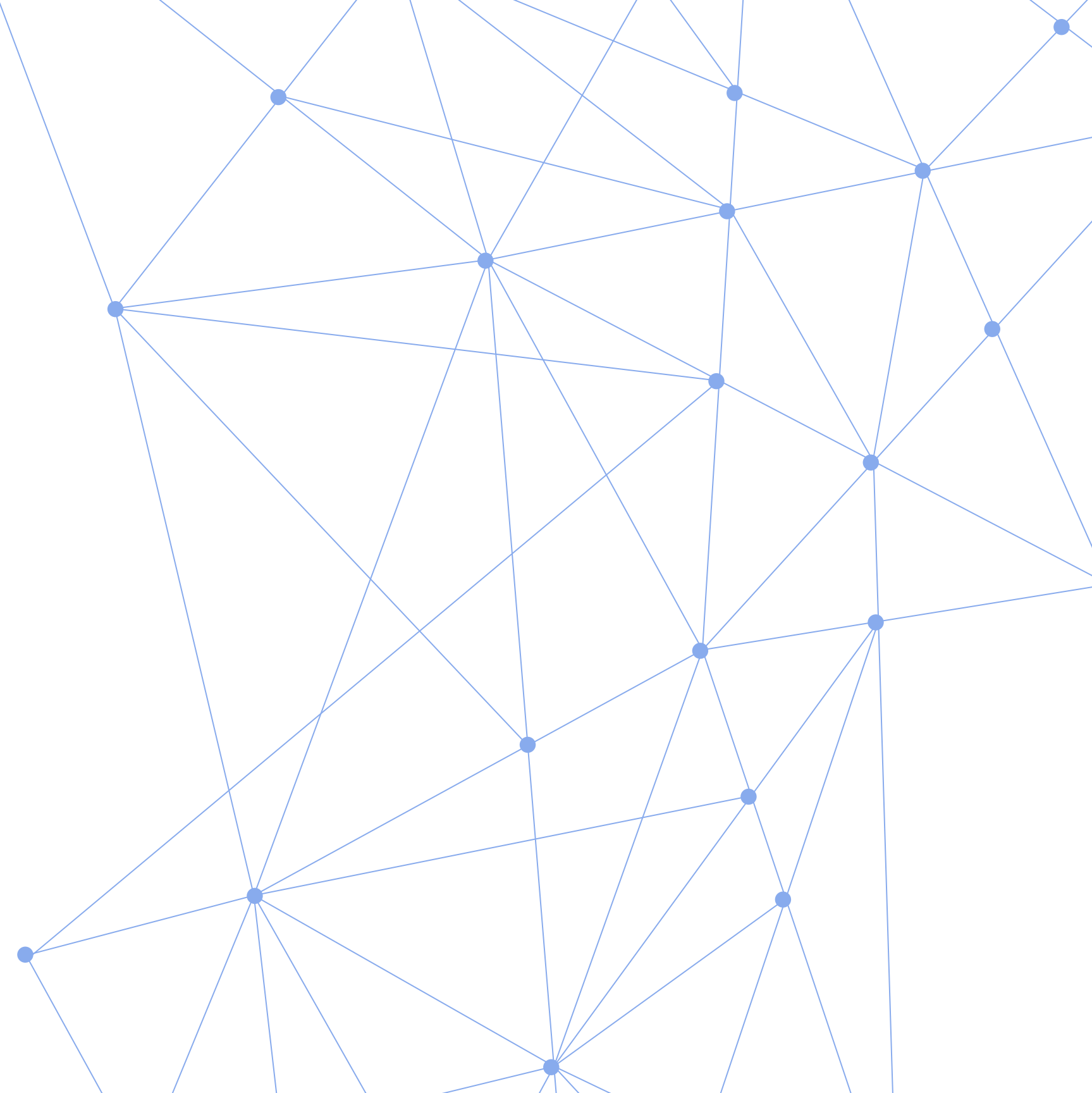
Faster Movement and Velocity

Velocity may be the single most underappreciated aspect of cloud data management.

Quickly locating trusted enterprise data is often only half the challenge. Making that data quickly, safely and easily available to another location, across the office or the world, is the other.

In a "sun never sets" scenario, your global DevOps teams burst workloads in and out of clouds. When you control your data, you can clone and shift it on the fly between higher or lower cost tiers of storage.

OLD WAYS

- Buy expensive network bandwidth
- Push huge data-streams to users
- FTP or Dropbox
- Aggregate in one location
- Slow, expensive, inefficient to move data
- No guarantee data is newest
- Errors, lack of agility
- Competitive disadvantage

NEW WAY WITH VIZION.AI

- No need to send data across locations
- Single service point for authorized users anywhere
- "Low viscosity", "just-in-time" data access
- Flexible scale up/down
- Greater mobility without new infrastructure
- Two-day wait for data now instantaneous

Build the New Possible

The fast-moving shift to multi-cloud has brought new challenges and opportunities to VPs of IT, heads of storage, cloud architects, developers and other technologists and leaders.

Vizion.ai is an open API platform that enables a new world of multi-cloud data applications — from IoT to security monitoring to log analysis machine learning.

Vizion.ai provides a marketplace for both Panzura and third-party data applications, and services. Use the API to leverage your existing investments and create new capabilities.

✔ Integrates with Panzura Freedom NAS for search and audit, but not required

✔ Elastic Search API and native access API bring Vizion.ai's power to NetApp, Dell EMC Isilon and many others

Metadata: GPS, Time, Camera ID, Clip location
Data: MP4 Video Clips

Vizion.ai API in Action:
Smart Cities China

Smart Cities China is an ambitious state agency initiative to add real-time analytics and centralized intelligence to connected sensors along with more than 100 million CCTV cameras in the country's fast growing urban infrastructure.

Smart Cities' main challenge is making sense of the MP4 video clips, which it believes will help improve security — assuming the data isn't locked in silos.

UTILIZING VIZION.AI:

✓ Smart Cities is able to achieve sub-1-second search & recovery across millions of hours of video

✓ Applies metadata index & search such as GPS, time, camera ID, clip location

✓ The process is all-API driven machine data workflows. A third-party has created an application interface to move the data to Vizion.ai to tap its fast indexing and search. Vizion.ai's open API enables the customer to apply custom tags that help categorize their video content

Vizion.ai is helping Smart Cities to unlock the power of this vast trove of unstructured data.

Simplify Data Backup and Recovery

The age-old challenge of implementing safe, affordable backup and recovery gains new complexity — and consequence — in today's multi-cloud world.

The process can be slow and difficult across multiple data silos. Problems quickly derail employee productivity. Extended service outages can gravely damage sales, reputation and stock price, inviting litigation and fines. Cyberattacks up the ante further.

VIZION.AI INTEGRATES WITH PANZURA FREEDOM FILER TO HELP PROTECT AGAINST THESE THREATS BY ENABLING:

✔ **Protection from ransomware.** Your active file system gets hit by a crypto locker virus by a hacker demanding $10,000. Vizion.ai can search for the last hour's snapshot, override the encrypted image, and resume work – without paying a cent

✔ **Recovery from internal hacking.** Siloed data makes it difficult to recover a directory or millions of files deleted intentionally or accidentally. Vizion.ai enables instant recovery by searching a snapshot pointed at an active file system. No data is lost.

# Vizion.ai Supercharges Freedom NAS and Controls Your Mobile Data

Freedom NAS delivers multi-cloud file services for the enterprise. It replaces your legacy NAS and provides a cost-effective way to consolidate your unstructured data into a single source of truth in the cloud. And by doing this, you can collaborate on that data globally increasing the productivity of your distributed teams.

Freedom Mobile provides a full enterprise file sync-and-share into the Freedom NAS, providing a way to consolidate external, siloed data applications like Box and Dropbox.

Vizion.ai supercharges Panzura Freedom NAS and Mobile by providing apps for metadata search, audit-data and recovery and cloning for DevOps and control of data placement.

REPLACING COSTLY, UNMANAGED, "PERSONAL" STORAGE WITH THE PANZURA MOBILE APP:

– Controls expensive shadow IT spending ($150/user/yr.)

– Brings mobile file sharing under IT control, including passwords, time, domain restriction

– Connects and syncs IOS, Android, Mac, PC mobile devices and data to central Vizion.ai in real time

– Consolidating mobile file access into existing data stores, heightening IT control

– Ensures every user has the latest, updated files without secondary copies or conflicts
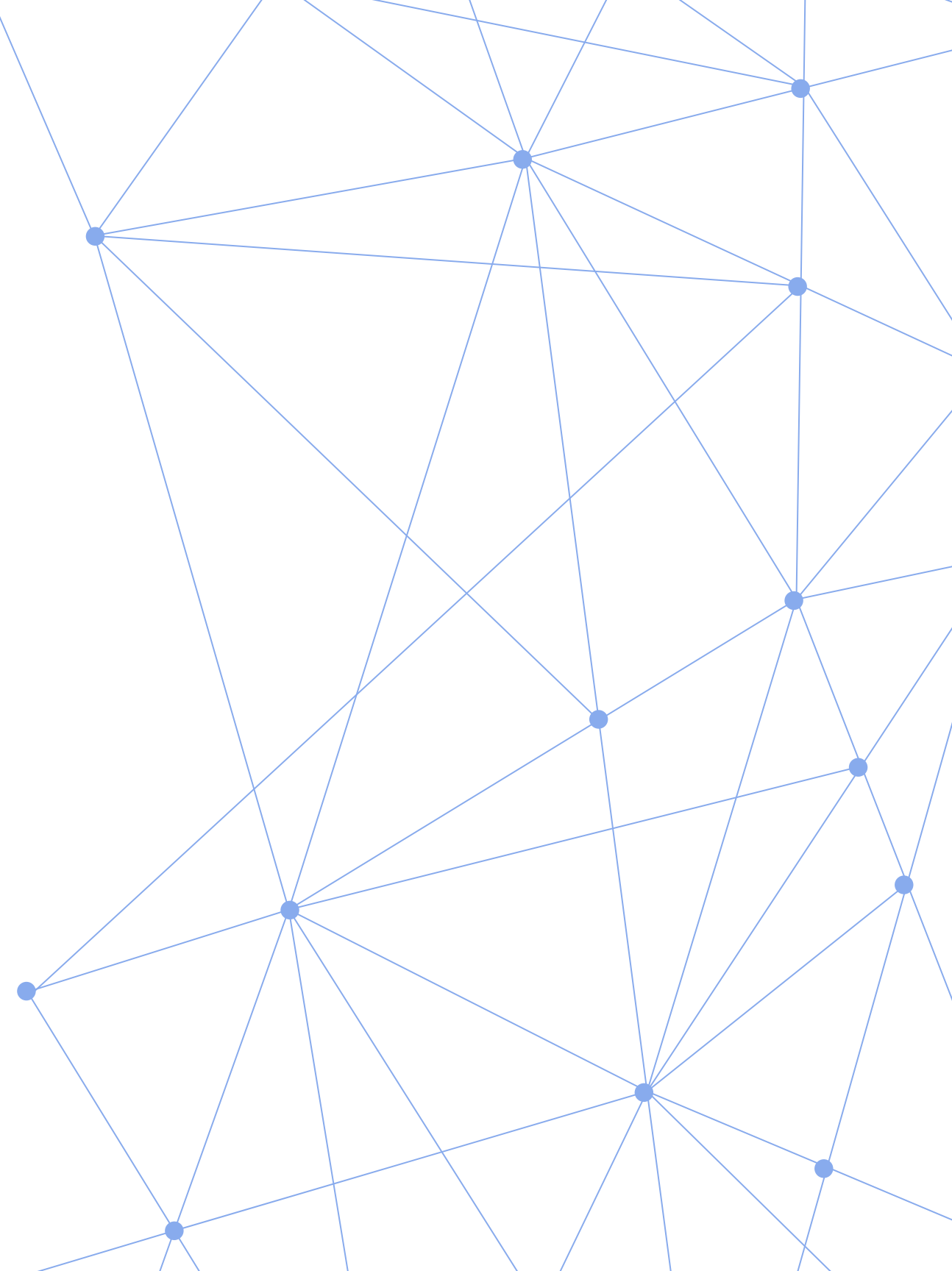
Deflate Your Storage Costs

The high cost of NAS drove many enterprises to cloud storage. Now, despite ongoing price cuts by vendors, many companies still overspend.

A COMMON PROBLEM:
Few storage admins track cloud "download profiles" (number of files per month, for example).

THE RESULT:
Pay for expensive cloud storage that's never used.

As a neutral third-party, Vizion.ai uses advanced machine learning algorithms that help enterprises manage and optimize both storage and cloud investments.

CLOUD COST OPTIMIZATION analyzes cloud data usage, compression and deduplication. The results guide you to the best solution: flash, cold, scale-up, etc. for Panzura and third-party data apps.

PREDICTOR, in an upcoming release, goes a step further. Advanced ML data and cost modeling spots organizational trends, identifying savings from moving data to different tiers, clouds, services or vendors without data sprawl.

ROI SUCCESS STORY
A financial services company reduced monthly cloud storage spend by nearly 60%, from $60,000 to $25,000/mo.

A Multi-Cloud Platform for a Multi-Cloud Problem

Vizion.ai is a hyper-converged cloud platform that provides hyperscale, distributed compute, caching and metadata services.

Vizion.ai has a machine learning engine and Kubernetes orchestration. And it runs as a multi-tenant service across these different cloud environments.

Vizion Applications

Vizion API

Vizion Engine
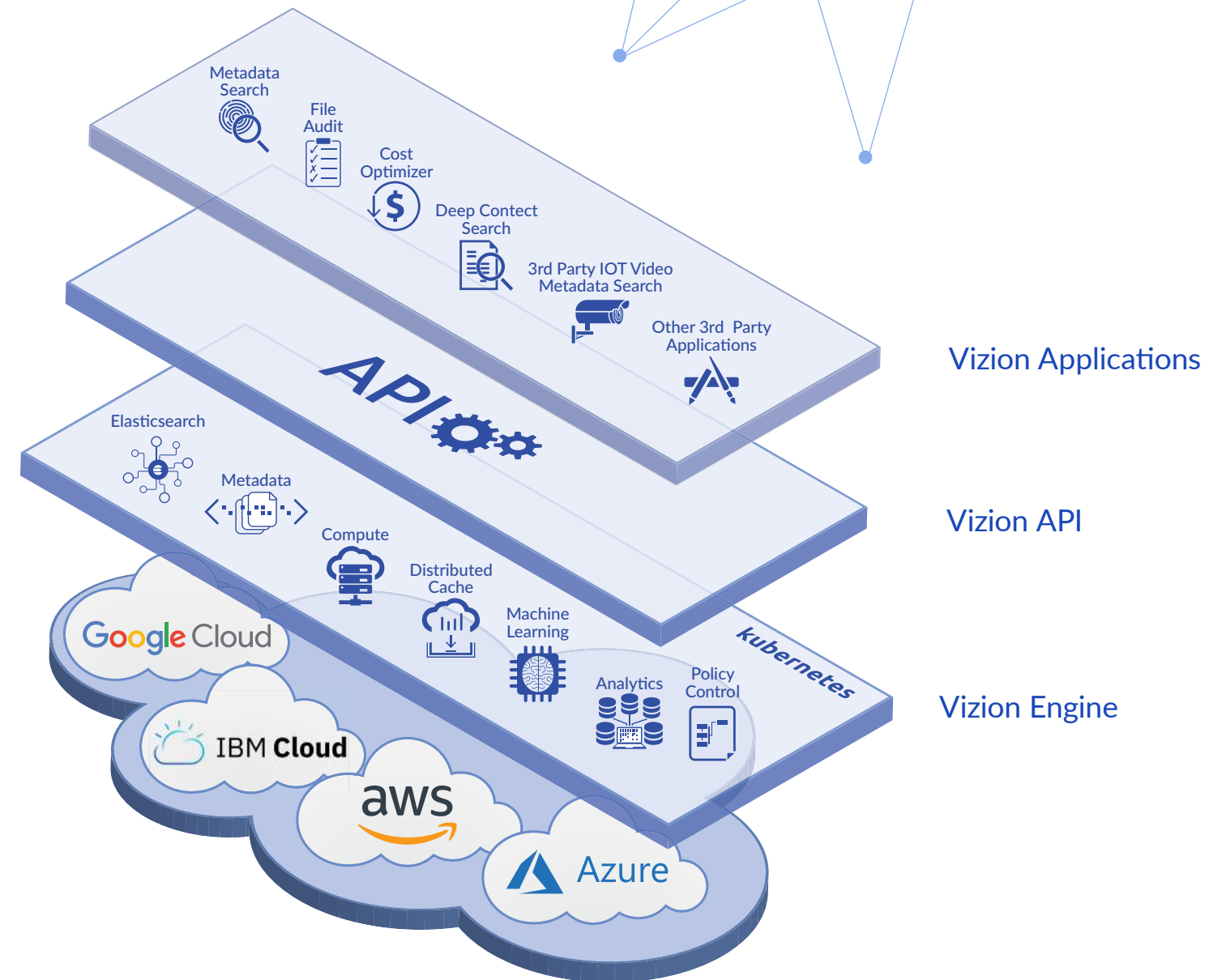
Your Path to Unlocking Multi-Cloud Data

Your organization's future depends upon its ability to quickly search, analyze and control data in a multi-cloud world. Vizion.ai unlocks your multi-cloud data — by helping you make faster and better business decisions, improve operational efficiencies, and improve data compliance and security.

Learn more and sign up for your free account today: **Vizion.ai**