AI MODELS ARE RELENTLESS DATA GUZZLERS, ALWAYS HUNGRY FOR MORE.

90%

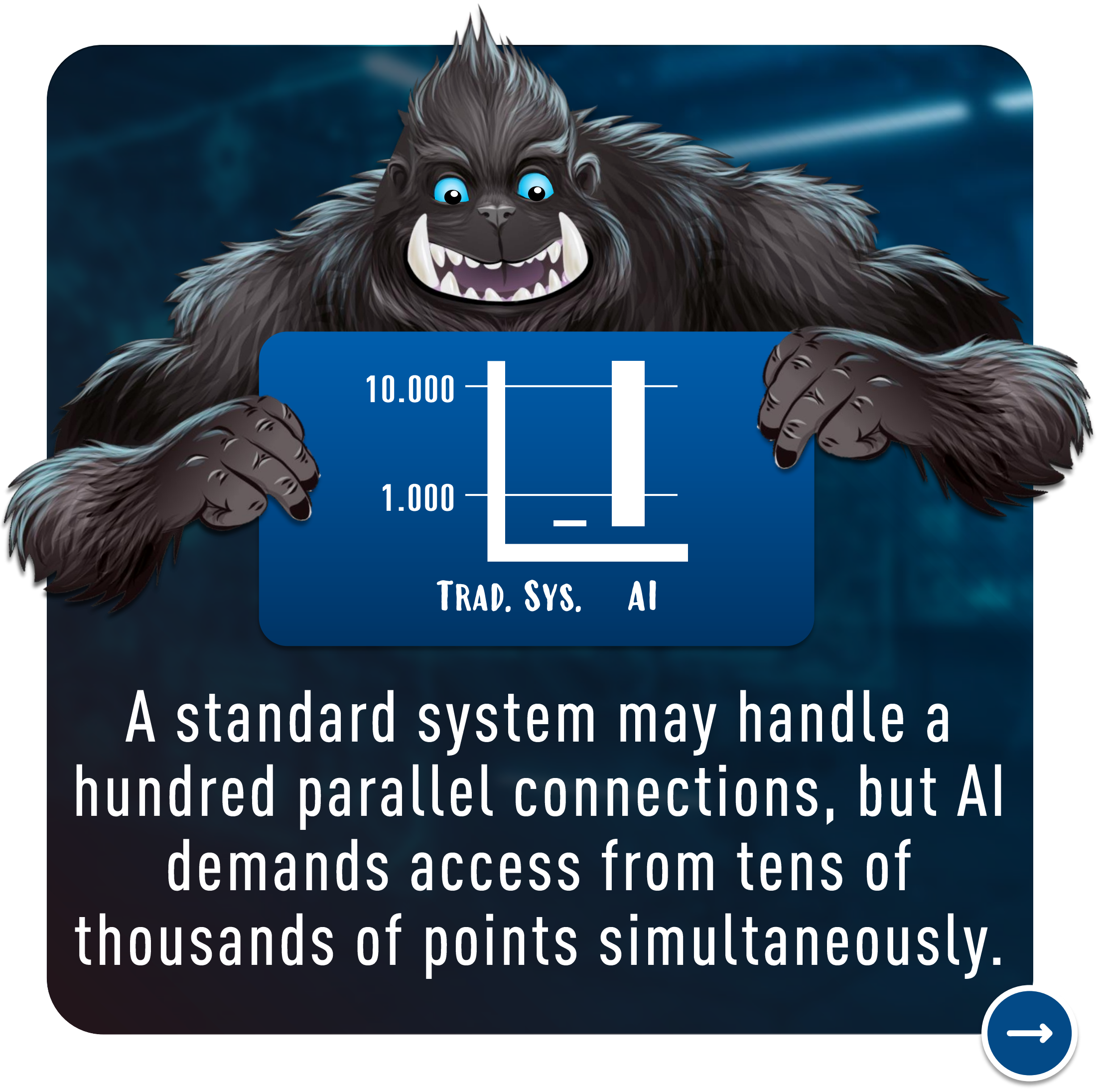
The majority of it is unstructured data—up to 90% of a company's information, growing at a staggering pace!

Chatbots need massive datasets to work. GPT-3 alone used ~45 TB of text—the equivalent of millions of books, too much for traditional IT.

THE SYSTEMS WE WERE RELYIN ON ARE COLLAPSING

File systems are intuitive for humans, yet painfully slow for AI. Block storage is quick with single packets, but too rigid for vast, unstructured data.

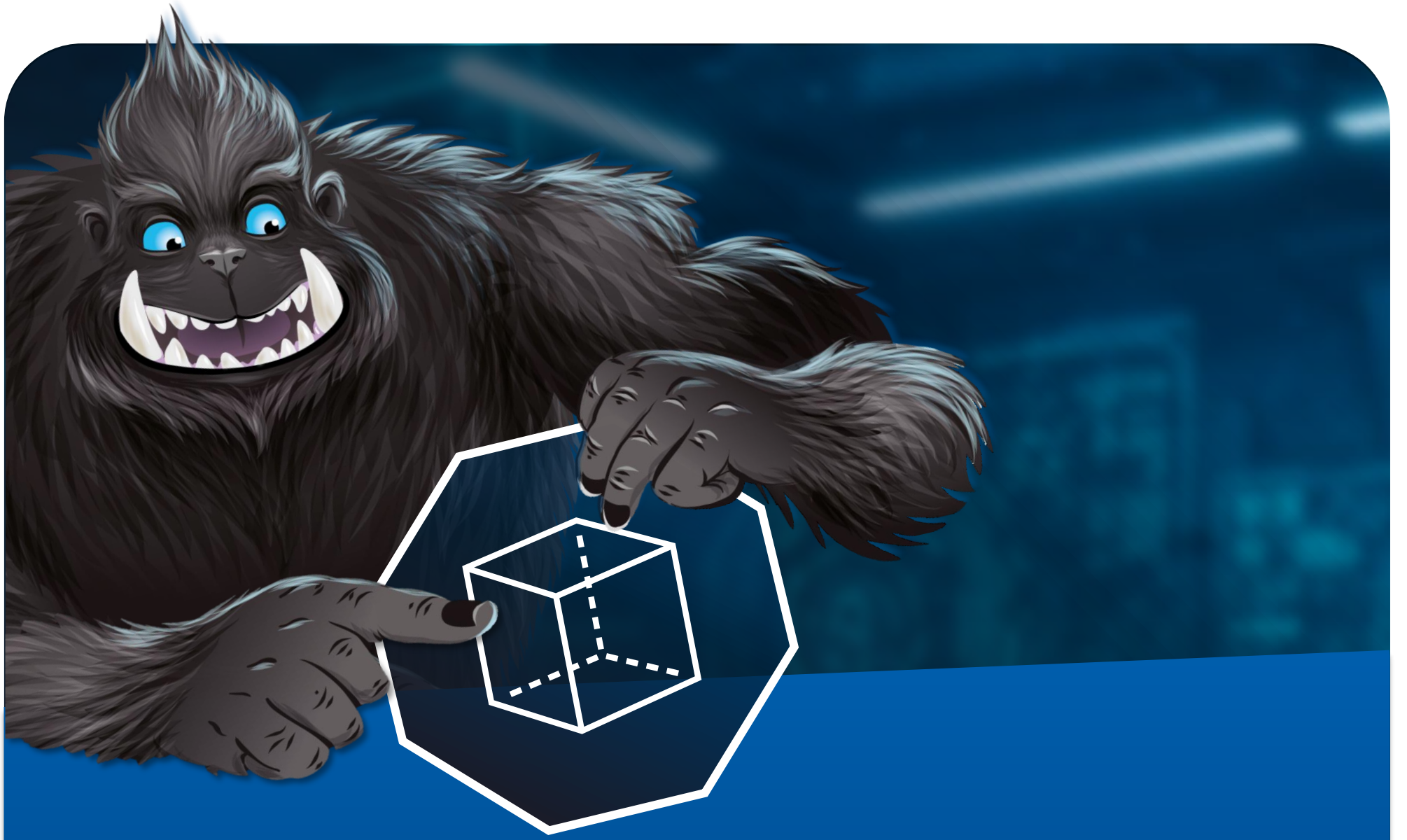

Hierarchical structures
create data bottlenecks,
scale only vertically,
and offer limited
metadata that lacks the
context AI requires.



A standard system may handle a hundred parallel connections, but AI demands access from tens of thousands of points simultaneously.

OBJECT STORAGE

Object storage was purpose-built for the scale and complexity of AI, organising data as objects in a single flat pool and breaking free from rigid file hierarchies.



1. **DATA** Raw files (image, video, doc)
2. **ID** Direct object address, no folders.
3. **METADATA** Content tags.

Storage Showdown

Feature	Mid-range NAS	SAN/Block	Object Storage
Scalability	Up to 100 TB	Up to 20 PB	Unlimited
Parallel access	~ 50 – 200	~100 – 5,000	10,000+
Metadata	Basic	None	Rich
Cost per TB	Low-Med	Very high	Low-Med

Object Storage Offers

- limitless horizontal scalability
- rich metadata for intelligence
- maximum cost efficiency
- seamless AI integration via the S3 API
- and security by design using HTTPS


TAKE AWAY
Object storage is no longer a nice-to-have; it´s the absolute cornerstone of a modern AI strategy.

ARE YOU READY FOR THE AI FUTURE?