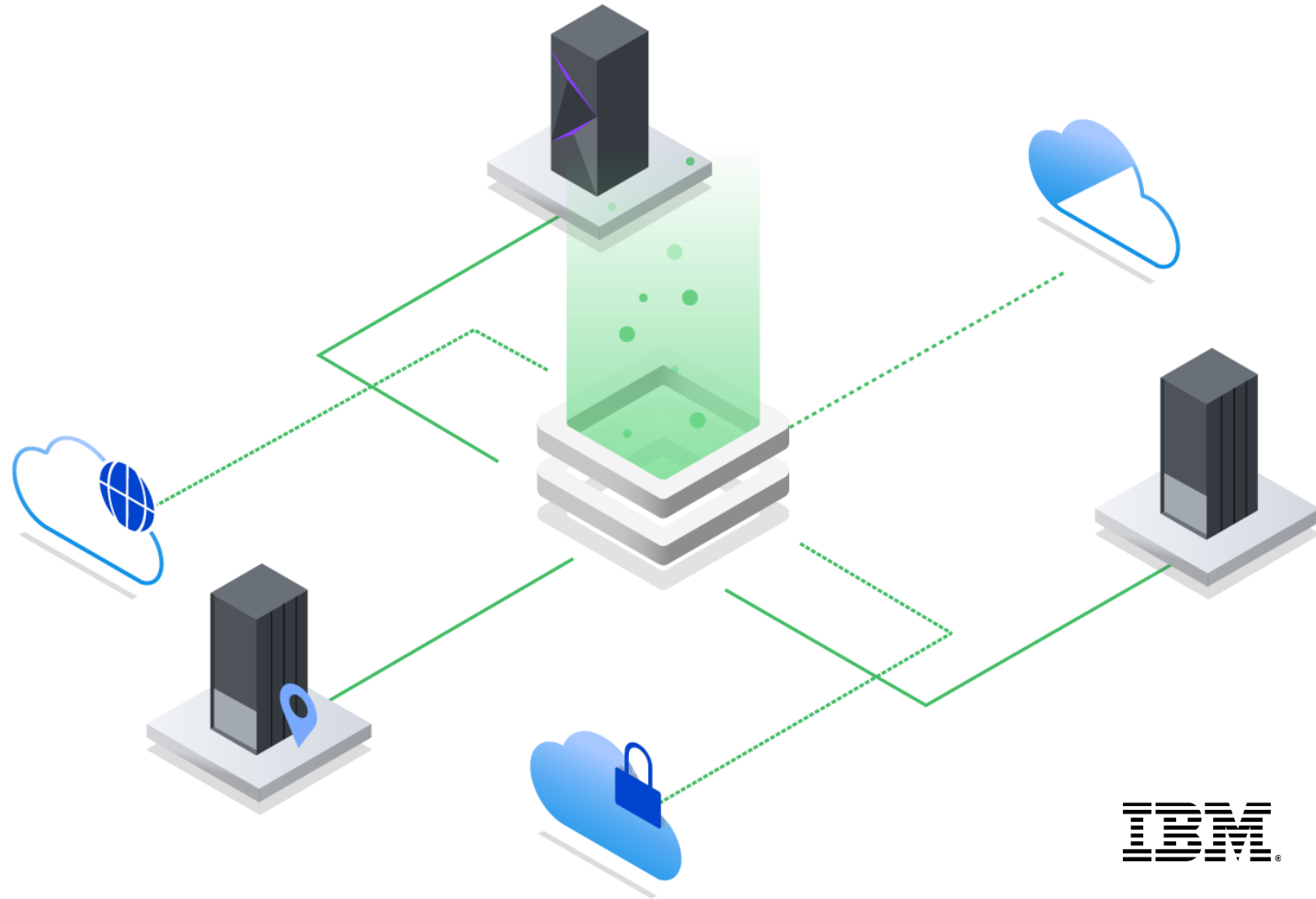


Innovative Technologies Showcase

IBM Storage



Chris Maestas
CTO, Data and AI Storage Solutions
Chief Troublemaking Officer

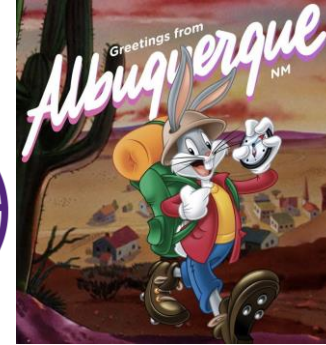
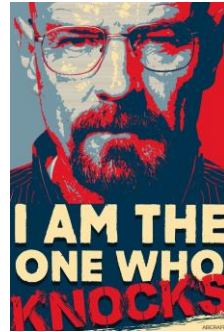


International Business Machines ... Storage!?

some people don't know who is IBM, **but you do!**



Unlock the value of data throughout your information supply chain



Where are you from?
Albuquerque, NM, USA



1000s of users, 100s of PB, 10s of TB/s
Work across data sources



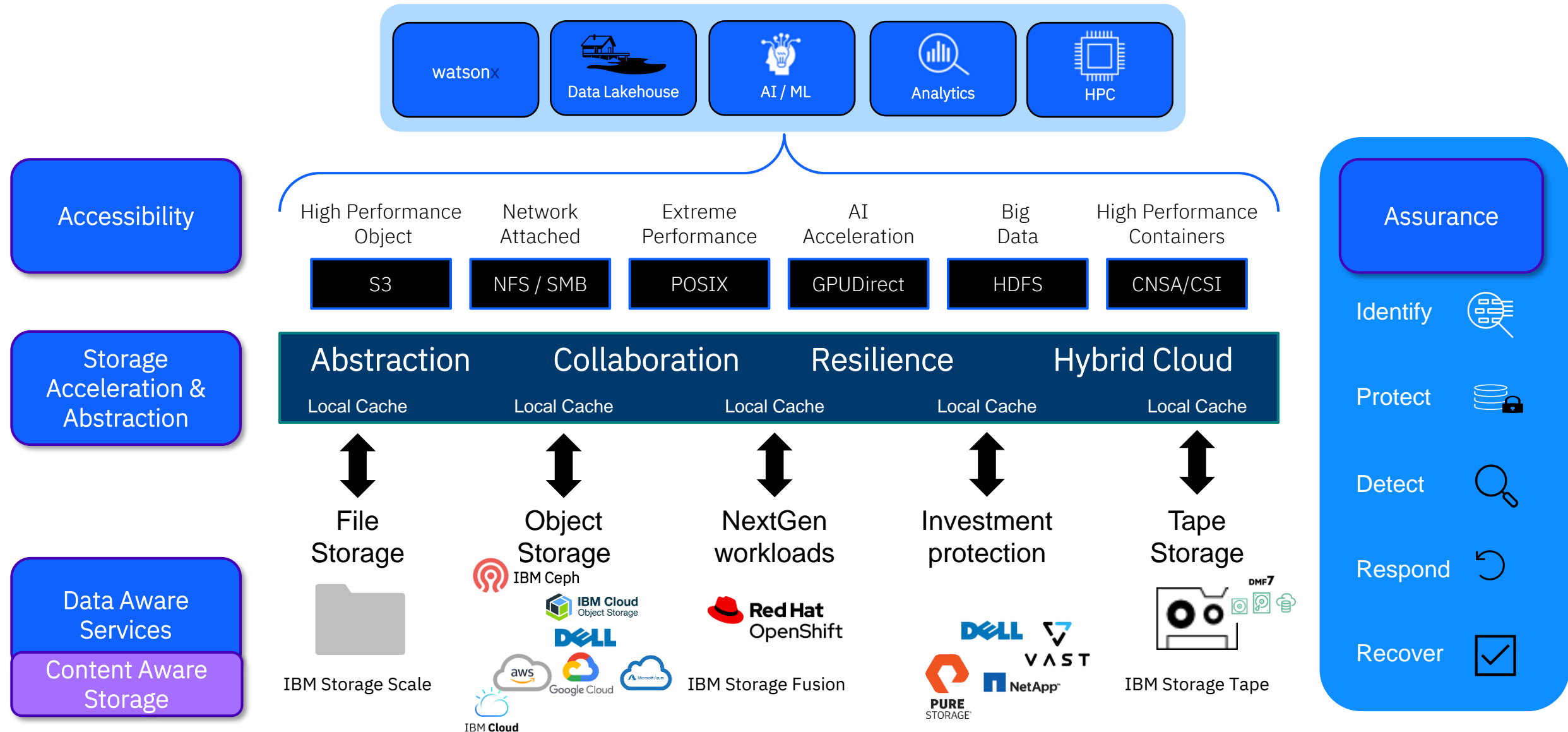
Let's do more than go fast
Aware, Access, Assure, Abstract



From Research to Financial
<insert your data problem here>

IBM Storage Scale - global platform for services (gpfs) of unstructured data

1) Accessibility, 2) Storage Acceleration and Abstraction 3) Data Aware Services, and 4) Assurance

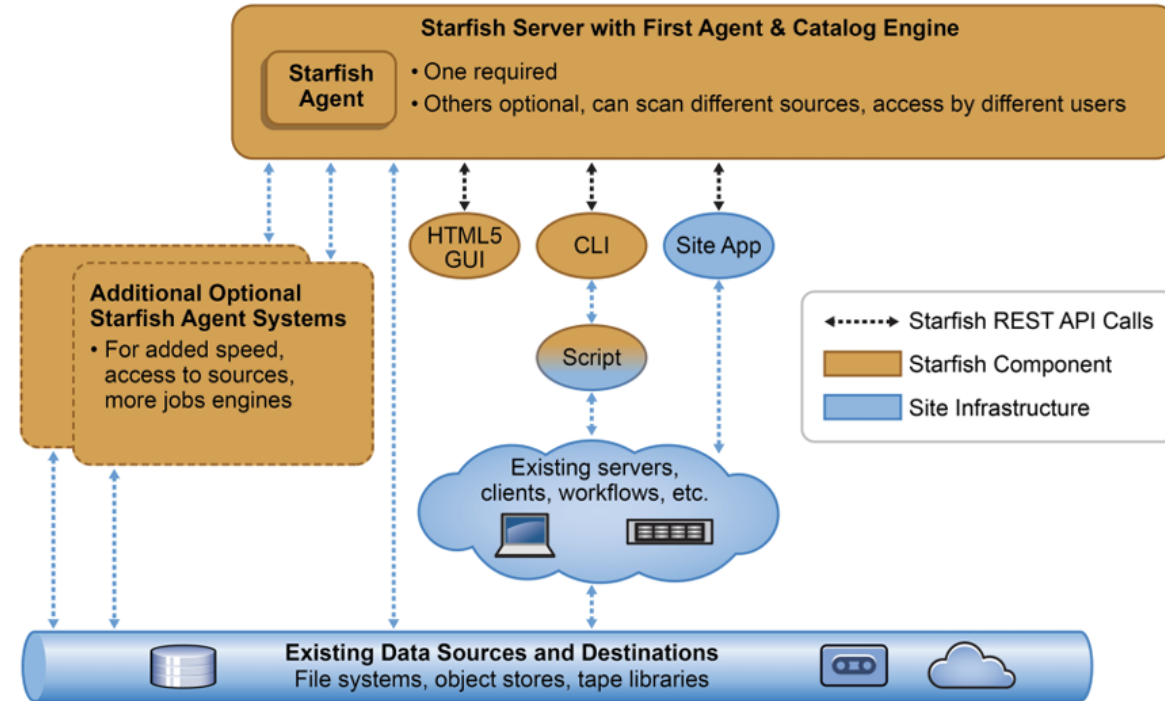


Data Aware Services

Open Source Data Management Software



So What is Starfish?

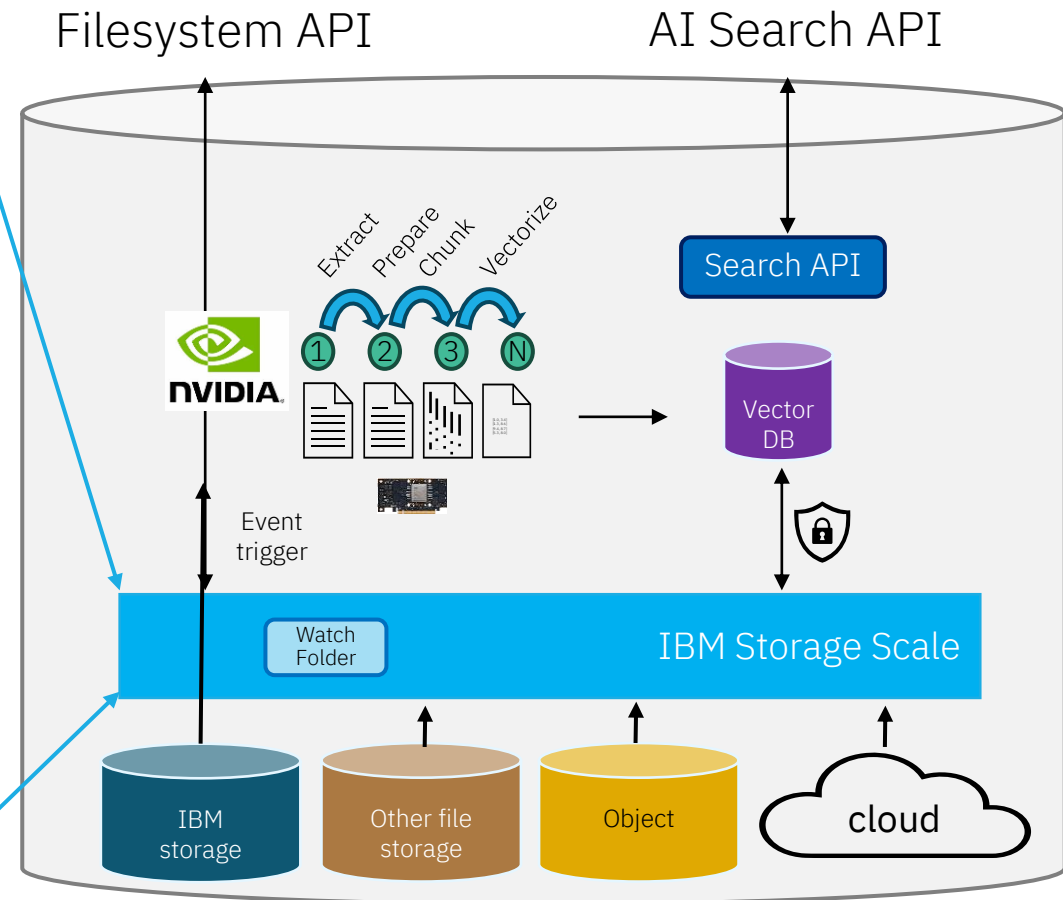


hdfs/samples/ilm/tr_findToPol.pl

Data Aware - IBM Storage Scale provides Content Aware Storage (CAS)

IBM AI optimized storage and AI runtime

- **Enterprise grade secure:** Consistent ACL and encryptions
- **Efficient:** Detect data change for incremental data processing
- **Support your legacy storage:** Connect to heterogeneous storage systems, including legacy unstructured data storage
- **Accelerate and scale:** GPU-optimized storage solution

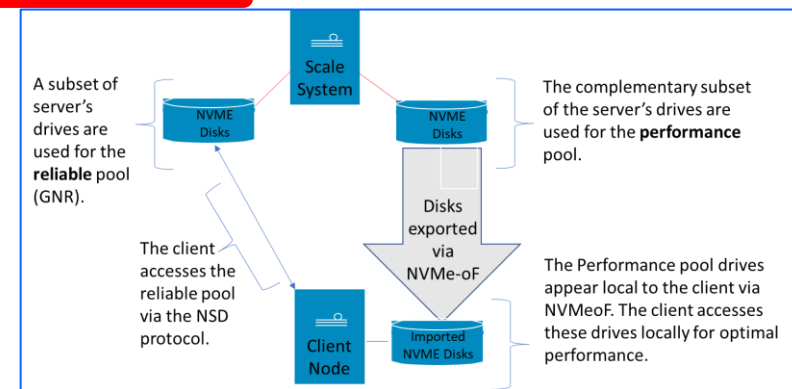
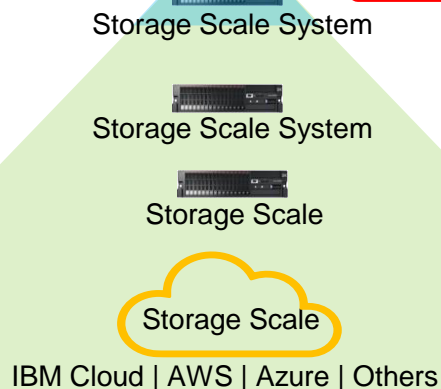


Tiering models to move the data to and from the compute

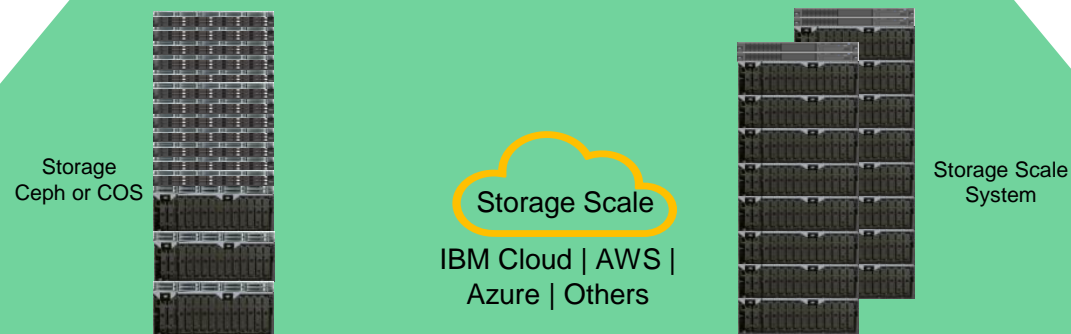
Lowers Energy Consumption and Costs with Data Lifecycle Management

Data Acceleration Tier

High Performance



High Capacity



IBM continues to drive innovation on our environmental attributes

Object storage

IBM Cloud | AWS | Azure | Others



Tape



S3 Glacier

Archive Capacity

Scale control plane and security architecture modernization

Security Improvements

Removal of SSH dependency

Removal of root requirement for control plane



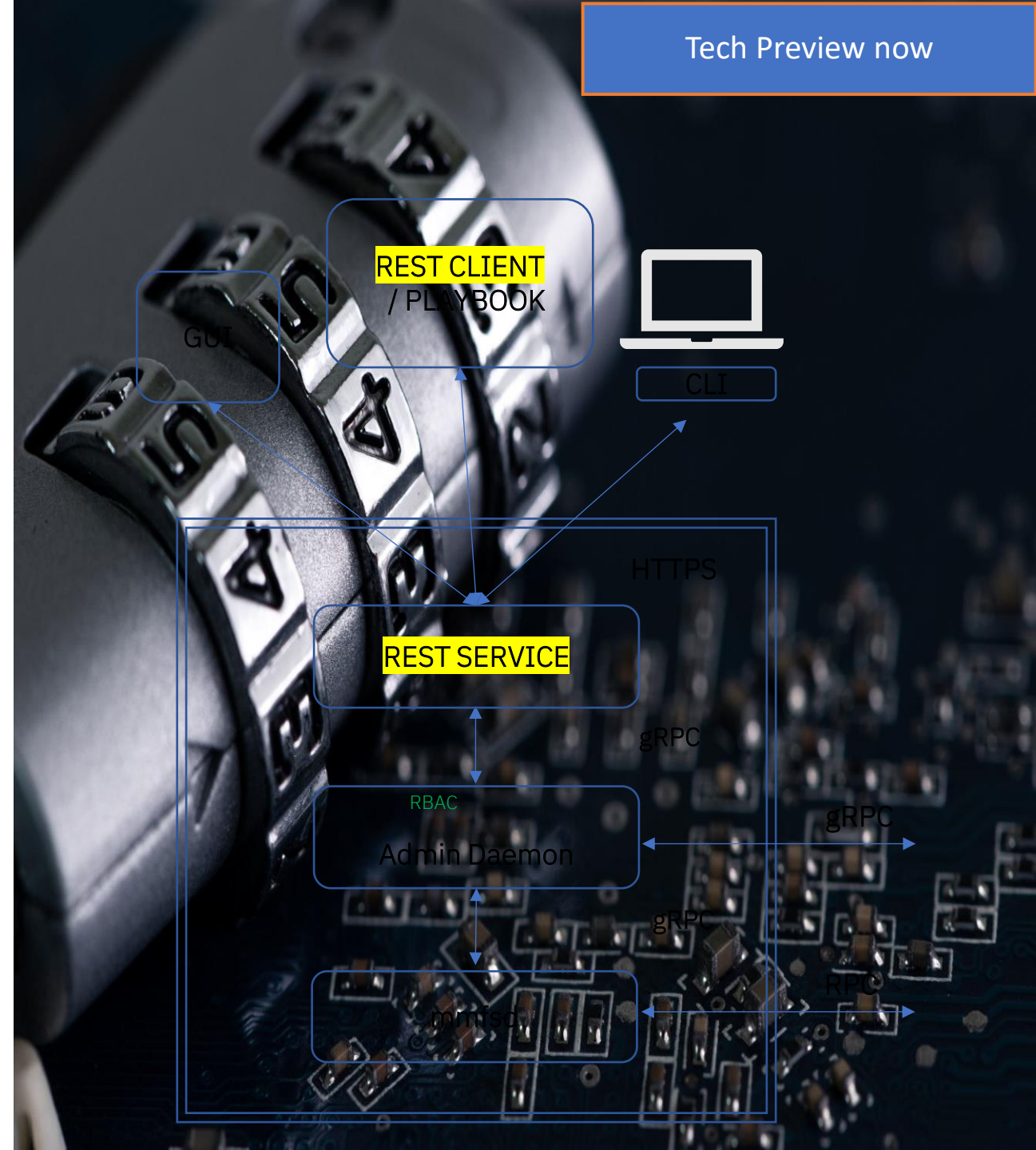
Remote Administration

Fine-Grained Role Based Access Control
Declarative policy rules based on Open Policy Agent

Control Plane Designed For Applications / Operators

Retain CLI for human management

Tech Preview now





Storage Scale

IBM