

5X
POWER SAVING

1/2
AWS COSTS

100
PERCENT SCALABLE



SEAMLESS TRANSITION



SELF-HEALING



QUANTUM ENCRYPTED

If You **Run Ai**, Where Will You Go?

Are you stuck with antiquated data center infrastructure that takes months to configure and is costly to manage? The increase in **SIGNIFICANT** energy costs, the scalability and seamless transition point to HyperCloud as the smart path forward. **We promise.**

Promise 1

Scale to massive traffic, with performance and resilience that scale with it.

Promise 2

No lifecycle management. No version incompatibilities or product integration.

Promise 3

Highly available. Use pure peer resources, no bottlenecks or protocol interfaces.

Promise 4

Enable multiple true administrative tenancy leveraging 1 cloud underpinning.

Promise 5

Zero people, therefore no human error, inconsistency and remove fragility.

Promise 6

Self healing, organizing and assembling. Requiring no people (like public cloud).

Promise 7

Always high performance. Unthrottled use and performance shall increase linearly with scale or better.

Promise 8

High auditable and transparent security without exception.

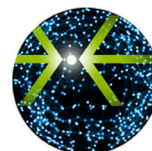
Promise 9

Have a consumptive abstraction. Focus on the workload and value creation, not infrastructure.

Promise 10

Delivered completely at a fixed price. We the CIOs own it complete. TCO is lower and different.

Contact us for more Info@Indexr.ai 408.123.4567



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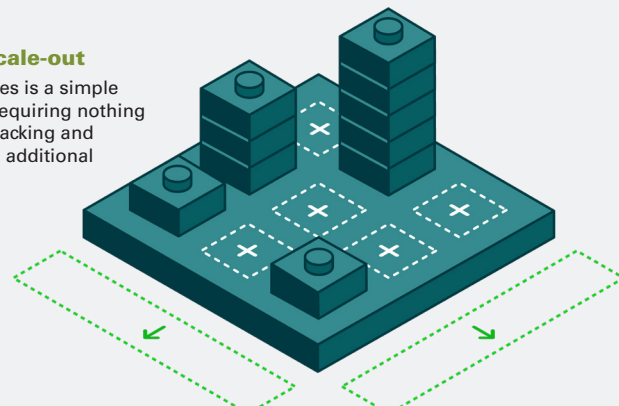
MORE
▼

More Deliverables. More Growth. More Profits.

- Stability under heavy load
- True high availability (no single supervisor choke point)
- Near-infinite scale-out capability
- Independent scaling of compute, storage, and networking
- Stateless, ephemeral node architecture
- Auto-configuring, hot-swappable nodes
- Self-healing fleet intelligence
- Rapid rack-to-ready deployment (hours, not weeks)
- Single-binary, non-disruptive stack upgrades
- Low administrative overhead / low-touch operations
- Predictable, fixed-cost ownership model
- Lower total cost of ownership (TCO) vs hyperscale OpEx
- Runs on purpose-built, task-specific hardware
- Optimized resource utilization (no wasted CPU/RAM)
- Efficient GPU management and passthrough for AI/ML
- Support for multiple GPU per VM and live GPU migration
- Built-in support for VMs and containerized workloads
- Integrated S3-compatible object storage
- Mix HDD / SSD / NVMe in a single cluster
- Crash-consistent snapshots and remote replication
- Native replication to remote HyperClouds or any S3 endpoint
- Certified data immutability for ransomware protection
- Automated, cluster-native disaster recovery
- Secure provenance (auditable hardware, firmware, software lineage)
- US-designed/manufactured hardware and supply-chain controls
- CVE Numbering Authority responsibilities and proactive CVE checks
- FIPS 140-2 support and FIPS 203 / post-quantum crypto support
- FedRAMP/FISMA/DoD compliance posture (deployed for classified use)
- Air-gap capable operation and air-gap upgrades (sneakernet support)
- Post-quantum full disk encryption with hardware token
- Hardware root of trust and tamper-resistant firmware practices
- Fine-grained RBAC and tenant isolation (secure multi-tenancy)
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- Policy-driven resource allocation and QoS controls
- Reduced vendor lock-in through full-stack ownership and APIs
- Unified management plane (single pane of glass)
- Rich API + IaC friendliness (programmable automation)
- Native observability (OpenMetrics/Prometheus exporter Grafana)
- Integrated marketplace and one-click application deployment
- Deterministic performance scaling as nodes are added
- Optimized power and thermal profile (low power/heat design)
- Smaller physical footprint per delivered capacity
- Energy efficiency lowers operating expenses and cooling needs
- Rapid fault detection and automatic remediation
- Simplified firmware/driver/OS provenance for audits
- Predictable capacity planning and chargeback models
- Simplified compliance evidence and audit trails
- Reduced human error through automation and abstraction
- Better support for edge, tactical & disconnected environments
- Consistent behavior across sites (same hardware + software stack)
- Ability to mix CPU architectures while maintaining feature parity
- Marketplace templates and reproducible, operator-provided images
- Fast, deterministic upgrades from any baseline to current release
- Designed for AI/ML lifecycle (marketplace, GPU, orchestration)

Robust scale-out

Adding nodes is a simple operation, requiring nothing more than racking and stacking the additional nodes.



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