

India

Powering Al Innovation

From India, For India, For The World

From India



For India



For The World





India

Powering Al Innovation

From India, For India, For The World





1.25 million

Al Workforce

16% of world's Al talent

240

GenAl Startups

6,200 Al startups

Top 5

Data Center Market in next 5 years \$13.96 bn, low latency high Green

For India



25-35% CAGR

Al Market to reach \$17 billion by 2027

659 million

smartphone users

59%

Indian enterprises actively using AI

For The World



Global Leadership in

Software and Services for 3 decades

\$ 100 billion

GCC category value by 2030

Date Sets

vast and diverse



Need For Data Sovereignty

Safeguarding National Data

Ensures that critical data and public services remain within India's borders, under the control of local laws and regulations.

Cloud Sovereignty

Essential for maintaining data control within a fully sovereign tech environment, reducing dependency on foreign infrastructure and protecting against geopolitical risks.

Ensuring Compliance withNational Data Policies

By keeping data on domestic soil, India can enforce its own data policies more effectively, supporting regulatory compliance. This mitigates risks associated with foreign data dependency

Supporting Public Sector and Critical Infrastructure

The government's push to establish hyperscale data centers strengthens the country's digital sovereignty. These centers ensure vital public sector services and critical infrastructure—such as defense and the financial sector—remain secure, and less reliant on foreign infrastructure



Sovereign Cloud

What is a Sovereign Cloud?





Foreign authorities cannot assert authority over Data

All data is resident and/or controlled in the jurisdiction

Operations & management carried out by Sovereign citizens



Key Attributes

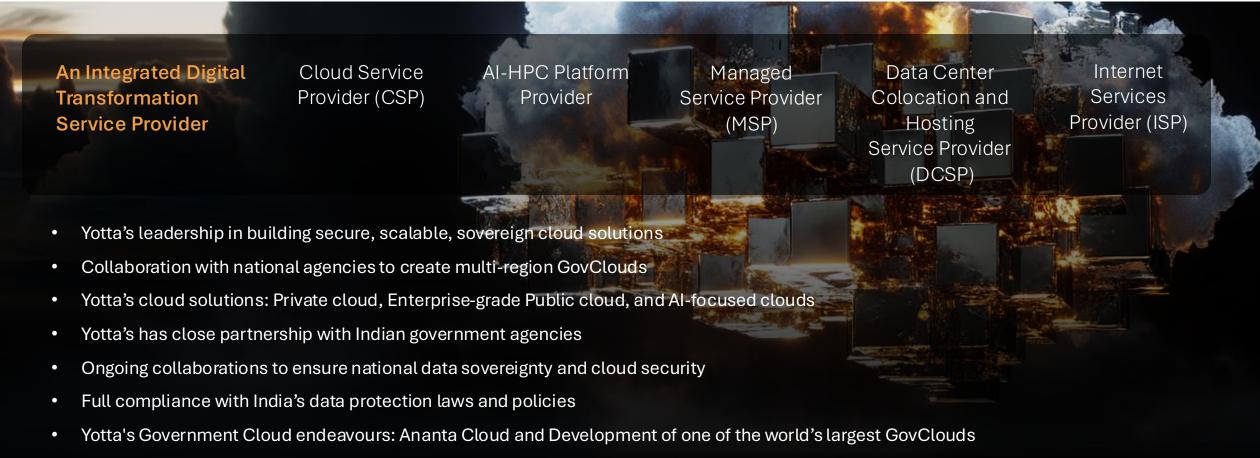
- Local, trusted and operated SC providers
- Workload and application Multi- cloud mobility, no lock-in
- Innovation within Sovereign Domains

Key Uses Cases

- Secure critical data in the cloud to protect your business
- Control access and flow of sensitive and restricted data across borders
- Deliver social value to local communities and economies
- Future proof against cloud lock-in and changing laws / geopolitics
- Ensure compliance with unique and changing local laws & security standard



Yotta: Pioneering India's Sovereign Cloud Infrastructure





Ananta Cloud: A Milestone in India's GovCloud Journey





Developed in partnership with Software Technology Parks of India (STPI)



Hosted in STPI data centers, ensuring compliance with national data sovereignty laws



Offering: Cloud Compute, Storage, Backup, AI/ML, Disaster Recovery, Cloud Management, and more



Ensures India's digital assets remain under its jurisdiction



Designed to incubate innovations and foster entrepreneurship, Ananta Cloud offers a robust ecosystem where startups and enterprises can develop, and scale new solutions



Empowering STPI's IT Infrastructure with Yotta



Challenges STPI Faces	Yotta's Solutions
Capacity Constraints: Limited data center scalability	Scalable Data Centers: Tier III+ hyperscale centers for reliable, nationwide expansion.
Nationwide Reach: Need for broader geographic coverage 2	Robust Security: Advanced cybersecurity and compliance
Cybersecurity Risks: Protecting sensitive data	Sustainability Focus: Energy-efficient operations with green certifications
Energy Efficiency: Reducing environmental impact	Managed Services: End-to-end data center operations, supporting talent needs
Talent Gaps: Finding skilled IT staff	Flexible Cloud Options: Disaster recovery and business continuity included



NIC - Deploying One of the World's Largest GovClouds





Building one of the world's largest GovCloud infrastructures



Follows the success of US and EU GovCloud initiatives



Designed to support national security, compliance, and innovation at scale



Leverages powerful CloudStack ecosystem for robust cloud capabilities



Sets the stage for seamless integration and enhanced cloud performance



CloudStack Ecosystem: Powering Modern Cloud Solutions

The CloudStack ecosystem plays a central role in advancing cloud infrastructure by delivering a cohesive, scalable, and community-driven platform.

Why the CloudStack Ecosystem



Ease of Setup, Use, and Management:

Quick to deploy and easy to operate, CloudStack simplifies complex cloud operations, reducing setup times and maintenance



Scalability at Its Core:

Built to grow with needs, the ecosystem seamlessly scales from small deployments to vast, hyperscale environments



Rich Complementary Ecosystem:

Includes advanced technologies across **storage**, **networking**, **security**, and **orchestration**, delivering a well-rounded solution



True Open-Source Values:

A vibrant open-source community ensures innovation, transparency, and ongoing improvements, supported by a global network of developers







CloudStack (Orchestration)

Central to the GovCloud infrastructure, CloudStack coordinates resources, enabling efficient and reliable cloud operations

Netris (Networking & SDN)

Automates networking and softwaredefined networking (SDN), enhancing network flexibility and responsiveness

StorPool (Storage)

Delivers high-performance, fault-tolerant storage management optimized for GovCloud needs

Apiculus (User Experience)

Provides an intuitive interface and user management capabilities, streamlining GovCloud's customer-facing interactions



Key Driver – Collaboration

The success of the GovCloud Stack is driven by collaboration among leading tech players to design and architect a hyperscale cloud infrastructure, ensuring:

Enhanced Security

standards

Robust security

measures meeting

global compliance



Optimized Efficiency



Collective
expertise for highperformance and
resource
management

Government-Friendly Solutions

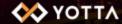
Tailored to meet public sector demands and regulatory requirements

Seamless Integration



Unified technology stack for scalable and reliable cloud operations

This collaborative effort delivers a secure, efficient, and innovative hyperscale GovCloud environment.







Yotta Cloud has been developed and built entirely in India and functions as a sovereign cloud platform fully compliant with all regulations

Fully compliant with **Government of India Cloud Computing (GCC)** standards and **MEITy** regulations, ensuring security and trust

While Indian, Yotta Cloud is a world-class platform that offers flexibility, scalability, performance and cost-effectiveness that today's global enterprises are looking for

A Truly Indian Hyperscale Cloud

Unified Cloud Infrastructure: Integrating diverse cloud environments to support India's rapidly evolving tech landscape.

Driving Local Innovation: Yotta Cloud accelerates the development of solutions that solve local challenges, empowering Indian startups and enterprises.

Supporting Growth: Programs like Shambho and Rudra are helping developers and startups scale, by providing access to resources and infrastructure for innovation.



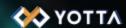












Yotta's Commitment to Leading India's Sovereign Cloud

Yotta is dedicated to pushing the boundaries of India's sovereign cloud infrastructure, setting benchmarks for data security and operational excellence along the way.

Our Growth Pillars

Security & Compliance: At Yotta, we put data protection and compliance first, ensuring that every part of our infrastructure aligns with India's data regulations.

Innovation & Strategic Partnerships: We're committed to advancing technology and forming alliances that strengthen and expand the cloud ecosystem.

A Call for Collaboration

We invite industry partners, developers, and global stakeholders to join us in shaping a hyperscale cloud infrastructure in India—one that stands as a model for the world. Together, let's build the future of secure and scalable cloud technology.

