

Ministry of Electronics & IT



Yotta and BHASHINI Collaborate to Enable Sovereign AI Cloud, Showcasing India's Readiness for Population-Scale AI

The migration from a global hyperscaler to an Indian sovereign operator demonstrates how BHASHINI's national language AI platform and Yotta's indigenous cloud and GPU infrastructure together enable mission-critical AI at scale.

The joint initiative establishes a national reference architecture for Indian organizations transitioning to sovereign, population-scale AI platforms.

Posted On: 09 FEB 2026 2:16PM by PIB Delhi

Yotta Data Services, India's leading sovereign cloud infrastructure and platform services provider, today announced the successful deployment of BHASHINI's end-to-end sovereign AI cloud transformation on Yotta's Government Community Cloud (GCC) and Shakti Cloud. The key milestone closely aligns with IndiaAI Mission objectives and represents a major step forward in India's journey towards self-reliant and scalable AI capabilities. With this development, BHASHINI now operates entirely on Indian cloud and GPU infrastructure, ensuring that language datasets, models, and citizen interactions remain within India's jurisdiction.

This landmark development was showcased at 'The India AI Sovereignty Dialogues', an official Pre-Summit Event of the AI Impact Summit 2026, hosted by Yotta & Digital India BHASHINI Division, and captured in the 'Sovereign AI Cloud Transformation Report' launched at the event. The report draws from a real-world deployment at the Maha Kumbh 2025, the world's largest religious gathering, where Bhashini's multilingual AI services were tested at population scale. Powered by Yotta's NVIDIA H100-enabled Shakti Cloud, the platform delivered real-time translation and voice-based assistance in 11+ Indian languages, including the multilingual assistant 'Kumbh Sah'AI'yak'.

The deployment demonstrates how national digital public goods can be migrated from hyperscaler environments to indigenous cloud infrastructure while delivering up to 40 percent performance improvement, 20 to 30 percent cost savings, and sustained 99.99 percent uptime. This was achieved with zero data loss across more than 200 TiB of data and over 3.5 billion files.

Commenting on the development, Shri Abhishek Singh, IAS, Additional Secretary, Ministry of Electronics and Information Technology; CEO, IndiaAI Mission; and Director General, National Informatics Centre, said, “The successful migration of Bhashini to indigenous cloud and GPU platforms demonstrates that India can build, scale, and secure its sovereign AI systems for the public good. It underscores the IndiaAI Mission’s vision of developing sovereign compute capacity, models and deploying AI applications that are responsive to India’s unique requirements, including the delivery of reliable, real-time, voice-based services at population scale.”

Highlighting the platform impact, Shri Amitabh Nag, CEO, Digital India BHASHINI Division, said, “The move to Yotta’s sovereign AI cloud gives BHASHINI greater control, resilience, and scalability as it continues to serve India’s linguistic diversity. This transformation strengthens our ability to deliver inclusive, real-time multilingual services and marks a major step forward for Digital Public Infrastructure in AI. It will also serve as a blueprint for future deployments as we transition to a fully sovereign stack.”

Ms. Kavita Bhatia, COO, IndiaAI Mission, said, “BHASHINI’s transition to a fully sovereign AI cloud is a significant milestone in IndiaAI Mission’s effort to build population-scale AI on Indian infrastructure. It demonstrates that national digital public goods can be securely scaled on indigenous, open platforms without compromising performance. This deployment sets a strong blueprint for future public sector AI initiatives.”

Commenting on the milestone, Shri Sunil Gupta, Co-Founder, Managing Director and CEO, Yotta Data Services, said, “Yotta’s successful deployment of BHASHINI on Shakti cloud marks a defining moment for India’s data sovereignty journey. This transition highlights that hyperscale, mission-critical AI platforms can be built and operated entirely on sovereign infrastructure, without compromise. The project validates India’s ability to run advanced AI workloads on open, interoperable architectures and reflects Yotta’s capability to build and operate digital infrastructure at national scale.”

Executed over a two-to-three-month period, the migration covered BHASHINI’s complete AI stack, including multilingual datasets, models, APIs, containerised services, orchestration pipelines, databases, and storage. The new architecture adopts open-source, cloud-agnostic components, reinforcing long-term vendor neutrality, and strategic autonomy.

The deployed environment has been designed as a modular and reusable reference framework that can be adopted across ministries, public sector units, and large-scale national programs. It provides a clear blueprint for hyperscaler-to-Indian-cloud transitions and reinforces India’s ambition to position AI as a secure, inclusive, and sovereign public utility that supports economic growth, digital inclusion, and technological leadership.

About BHASHINI

BHASHINI is an AI powered language translation platform, bridging literacy, language, and digital divides. At BHASHINI, we are redefining communication through innovative VOICE Multilingual AI Solutions. The mission is to make language and technology accessible to everyone through voice-first multilingual solutions for seamless communication, the largest co-creation AI platform driving collaboration and innovation, & by breaking language, literacy, and digital barriers for inclusivity.

About IndiaAI Mission

The IndiaAI Mission is a Government of India initiative under the Ministry of Electronics and Information Technology (MeitY), aimed at strengthening India's artificial intelligence ecosystem. The Mission focuses on building robust AI infrastructure, enabling access to compute and data resources, fostering indigenous AI innovation, supporting startups and enterprises, and promoting responsible and inclusive AI adoption. Through strategic partnerships across government, industry, academia, and startups, the IndiaAI Mission seeks to accelerate the development and deployment of AI solutions that drive economic growth, enhance public services, and deliver societal impact at scale.

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(Release ID: 2225350) Visitor Counter : 1375

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