Ministry of Electronics & IT

India building secure, scalable and AI-ready cloud infrastructure to support digital governance

Cloud data centre capacity in India estimated to grow 4 to 5 times by 2030

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India is building a secure, scalable and AI-ready cloud infrastructure to support digital governance, private sector collaboration and citizen empowerment.

The growing demand for cloud services across Government, private and social sectors is driven by the country's digital transformation and increasing use of AI-enabled applications.

MeghRaj

To meet the cloud requirements of Government of India, a national cloud infrastructure has been established under the Digital India initiative.

The "GI Cloud", known as MeghRaj, provides secure, scalable and elastic cloud facilities for delivery of e-Governance services.

The salient features of the "GI Cloud-MeghRaj" include elasticity, scalability, pay per use metering, self service provisioning, rapid deployment of applications, on demand service provisioning, etc.

National Informatics Centre (NIC) offers the cloud services to various Ministries/Departments. As on date, 2,170 Ministries/Departments have hosted their cloud-based applications on "MeghRaj".

To support the cloud requirements of Central/State Ministries/Departments, Ministry of Electronics and Information Technology has also empanelled cloud services of twenty-six (26) cloud service providers.

These cloud service providers have been empaneled after successful audit by Standardisation Testing and Quality Certification (STQC) Directorate with reference to international security standards (ISO 27001, ISO 27017, ISO 27018, and ISO 20000). The details of these cloud service providers are available at https://ambud.meity.gov.in/.

NIC, as a Government based cloud service providers, also engages private players through open tender for provisioning of the cloud services.

The National Data Centres deliver cloud services to Government departments and are designed to safeguard the cloud services from potential threats by implementing a layered security framework comprising established practices, and procedures.

Growth in data centres

The expansion of data centres in the country is being propelled by the growing digitalisation and rapid adoption of AI across both Government and private sectors, accompanied by the increasing adoption of cloud services.

Industry estimates indicate that cloud data centre capacity in India has reached approximately 1,280 MW, largely serving critical sectors such as banking, power and other critical public infrastructure. According to estimates, it will grow by 4-5 times by 2030.

Global technology companies are already investing significantly in India's AI and data-center ecosystem. Google has announced a USD 15 billion AI Hub in Visakhapatnam, its largest investment in India, while Amazon Web Services (AWS) is setting up a USD 8.3 billion data center in Maharashtra.

This information was submitted by Union Minister of State for Electronics and Information Technology Shri Jitin Prasada in Rajya Sabha on 12.12.2025.

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