

GOVERNMENT OF NCT OF DELHI
DEPARTMENT OF INFORMATION TECHNOLOGY
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CIRCULAR

Government of India has embarked on a highly significant and ambitious initiative called "GI Cloud". National Cloud Services ensure that the departments need not provision ICT Infrastructure in advance. NIC, being a frontrunner in facilitating e-Governance initiatives of the government, has set-up a state-of-art and secured Government Cloud under the umbrella of MeghRaj.

Launch of National Cloud by NIC shall facilitate departments to avail infrastructure on demand and scale up their resources any time. They need not spend their time & energy on long cycles of procurement of ICT Infrastructure. They can now focus on development, implementation & rollout of e-governance applications. Cloud shall also help government in innovating & introducing new models of delivery of citizen services.

Currently, the Cloud Services offered are Infrastructure as a Service (IaaS), Platform as a Service (PaaS), software as a Service (SaaS) and Storage as aService (STaaS).

Infrastructure as a Service (IaaS)

IaaS provides basic virtual compute infrastructure resources like CPU, Memory, Disk Storage attached to blank VMs allowing users to install OS, using ISOs, from scratch and customization. In this service, the users need to have legal licenses for OS and Application software as applicable.

Platform as a Service (PaaS)

PaaS provides pre-installed web and database servers so that users can publish and run webs application without botheration of server setup. The servers are pre configured and ready with basic security hardening. PaaS service can be availed for rapidly deploying servers so as to publish web applications by the users. The OS and Application Software licenses are provided by National Cloud (NC) as part of this service.

Software as a Service (SaaS)

SaaS provides on-demand software service. This is a software delivery model where the users need not be responsible for supporting the application or any components. The server infrastructure, OS and software are managed by cloud services. If the user owns a web application and legally eligible to distribute to other users, then delivery of SaaS can be made through Cloud Service.

Storage as a Service (STaaS)

STaaS provides need-based storage solution. This service provide excellent alternative to the traditional on-site and dedicated storage systems thus reducing the complexities of deploying and managing multiple storage tiers. STaaS can be used to mitigate risks in disaster recovery, enable long-term retention for records and enhance both continuity and availability.

Departments are requested to contact NIC regarding procedures to avail the NIC Cloud Services. The catalogues of Cloud Service offerings and procedures to avail the NIC Cloud Services are enclosed as Annexure-I and Annexure-II respectively.



(R.K.Verma)
Pr. Secretary (IT)

To

All Principal Secretaries/Secretaries/
Heads of Department, GNCTD/
Heads of Autonomous/Local Bodies

Encl:-As above.

Annexure-I

The catalogue of Cloud Service offerings provide options for the users to choose from preconfigured web, applications and database servers with Commercial/Open Source System Software or Blank Servers and Storage. Application Systems those are generic in nature for the use of multiple government organizations are offered under SaaS model.

Annexure-II

HOW TO AVAIL NIC CLOUD SERVICES ?

Following are the procedures to avail the NIC Cloud Services:-

- Visit the portal <https://cloud.gov.in> to apply and register for services.
- On successful registration, users will receive acknowledgement on their email.
- On satisfying eligibility conditions, users will receive a “Welcome Mail” for Sign up. Login for signup is allowed only with GoI email accounts.
- On successful signup, users will receive T&C document to their email account. Users are required to download this document and submit the duly signed and stamped document to NIC Cloud Team through their concerned NIC HODs/SIOs.
- Once document is received the Sign up process is complete, users can then request for variety of Cloud Services being offered by NIC.

In the operation process of Cloud Services, each department is required to nominate a Cloud Coordinator. The Cloud Coordinator is then required to enroll on the Cloud on behalf of the respective department and then place requisition for various services. These include choice of web-server, database server, blank server etc.

Subsequently, the Coordinator needs to comply with the first four steps mentioned above. Further, he will be provided with “My Cloud”, which is a Cloud Dash Board over secured channel. The Cloud Coordinator has to set up all the required configurations. Using the Cloud Dash Board, maintenance operations can be carried out.