Projects/ Activities of Network Group

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Network

NICNET is extended to all district centers over 1G/34 Mbps leased line. In addition to this important Central/ State Government departments are also connected using leased line. Important locations like CM Office, CS office, Raj Bhawan, Vidhan Sabha and High Court of Himachal Pradesh are connected to NICNET. We are connected with 10 Gbps redundant link to Delhi/ Chandigarh for internet and other networks. All these links are monitored 24*7. We have around 90 leased line links

National Knowledge Network

The NKN is a state-of-the-art multi-gigabit pan-India network for providing a unified high speed network backbone for all knowledge related institutions in the country. The purpose of such a knowledge network goes to the very core of the country's quest for building quality institutions with requisite research facilities and creating a pool of highly trained professionals. The NKN will enable scientists, researchers and students from different backgrounds and diverse geographies to work closely for advancing human development in critical and emerging areas. In Himachal Pradesh NKN connectivity is given to the 20 institutes. All the major Medical, Research, Education institutes are connected to NKN. HIMSWAN is also connected through the NKN.

Data Center services

The main data centre located at CGO Complex Shimla is with state of art infrastructure having a capacity to house more than 20 Racks and supporting a wide range of technologies. Wide variety of servers are housed in the Data Centre to provide a range of Basic & Value added Internet Services to Government departments & organizations at various levels right from Central Government to State to district administrations of India. Presently equipped with28 servers connected with 8 TB of storage capacity in the SAN.

Highlights

- Storage Area Network (SAN)
- Rack based Infrastructure
- Automated Backup & Restore
- State of art Security
- Fibre Channel Network

DATA Center Features:

- Integrated hardware and software solution

- 24/7/365 monitoring of data center and customer servers/services
- Physically secured data Centre
- High Speed Redundant Internet Connections
- UPS Power and Backup
- Air Conditioning System

Digital Signatures

NIC Himachal Pradesh has started issuing digital Signatures to Government official from May 2014. Till date more than 6000 Digital Signatures has been issued to various officials of Himachal Pradesh. NICCA is issuing following types of certificates

- Signing
- Encryption
- SSL/System
- Code Signing

E-Mail services

NIC is providing E-mail services to more than 5000 officials in the state. Mails can be accessed either through web (https://mail.gov.in) , other services that are being offered are IMAP and POP3 services. E-mail services are integrated with SMS services also. Mobile number of the users is registered with e-mail account. Users can also send SMS using mail services.

Email accounts are created once a user registers for the same by filling out the form available on https://mail.nic.in site. The account will be activated after due authorization by the Competent authority. User can request for either name based or Designation based e-mail IDs.

Cyber Security

NIC has implemented various security related solutions to protect data and information. Firewall, IPS, centralized antivirus and Patch Managment solution has been deployed on the network to ensure information and data remains protected. All servers are accessed through firewall and IPS only permitted port and services are accessible. Patch management server is also installed to ensure all servers and clients are updated with latest Patches. Centralized Antivirus server ensures all systems in the network have latest definitions installed. Network is regularly scanned for infected systems and systems without antivirus installed on the network.

Video Conferencing

NIC Himachal Pradesh has more than 20 video conferencing studios in Himachal Pradesh. All NIC locations have video conferencing studios. In addition to NIC locations Video conferencing studios has also been setup at CM Office, Governor House, Vidhan Sabha, and High Court of Himachal Pradesh. Four tribal sub-divisions have also provided VC facility through VSATs. This setup is being used by NIC and state Government officials for various meetings. Users can book their video conferencing using portal http://vc.hp.nic.in. This portal also gives the details of all scheduled Video conferences in the state.

NIC has also started desktop video conferencing based solution (https://intranicvc.nic.in). This portal in integrated with the studio based VC units. Vidyo users can communicate with Vidyo users and other VC studios also using this facility. This portal can also be used for desktop sharing and project demos can also be demonstrated through this portal.