

Abstract

This research is titled (Government Network Design : Proposal for Palestine) aiming at :

- 0 Secure and cost-effective internet and Intranet communication between the different PNA ministries and institutions.
- 1 Providing e-mail services for all employees of the connected ministries and institutions.
- 2 Reducing communication fees including phone lines usage, faxes and other mediums.
- 3 Providing a common interface for public data banks and shared resources of information.
- 4 Centralizing the Web publishing for the PNA governmental institutions.

The research contain the designing of main government computer center (MGCC) in Gaza then connecting the main office of the ministries in Gaza with the center that located within a location not accede 3550 m , an another Main center in Ramallah to connect the main Ministries office in bank with this center as it located in the boundary not acceding 4000m, the two centers is connect through asymmetrical Digital subscriber line (ADSL) .

A branch government computer center (**BGCC**) is designed in each Governrate to communicate with the ministries branch office through a fiber optic or **ADSL**

The branches government computer center (**BGCCS**) in the bank Governrates connect though **ADSL** with **MGCC** in Ramallah , and the **BGCCS** in the Graza Governrates is communicate through Fiber Optic with the **MGCC** in Gaza.

With the use of active directory the administration system of the network designed as , main and call (gov) and branches which contain the Gaza Governrates and call (Gaza) and another branches of the bank Governrates call (Bank) , every **BGCC** is arranged within the site so as to eliminate the problems that result from the organization structure names and to minimize the traffic on the network and utilize the communication facilities. These sites are located as sub-domains to Gaza and bank.

An electronic mail system is designed on the network so as to enable the employees to exchange messages and e-mails within the ministries and with outside the world.

Designing of websites on the internet host by the **MGCC** in Gaza and Ramallah for the ministries to publish their websites on the web.

Designing of security system to protect the ministries information and data depending on the antivirus, authentication and encryption, fire wall and monitoring .