A design and realization of digital signature of e-government management website group based on Elgamal cipher system.


Summary: E-government system is complicated system which involves technology and management problems. The technology problem includes many aspects, such as physical layer, network layer, system layer and application layer. Because of different properties different safety precautions are used, such as firewall technology in network layer and antivirus techniques in system layer. In order to solve the information safety problem in application level this paper design and realize a digital signature of e-government management website group scheme based on Elgamal cipher system by digital signature technology to make sure the privacy, integrity and non-repudiation in e-government information.

**Keywords:** Digital Signature; e-government; Elgamal Cipher System

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