



Public Key Infrastructure (PKI) Services

C2 COMPANY SOLUTIONS

- NETWORK SECURITY ARCHITECTURE AND DESIGN
- NETWORK ARCHITECTURE PLANNING AND IMPLEMENTATION
- NETWORK PERFORMANCE OPTIMIZATION & MAINTENANCE
- FIREWALL IMPLEMENTATION AND SUPPORT
- SECURITY POLICY DEVELOPMENT
- REMOTE ACCESS/VIRTUAL PRIVATE NETWORK
- SYSTEMS AND NETWORK HARDENING
- COST REDUCTION VIA TECHNOLOGIES LIKE MPLS, UNIFIED COMPUTING, AND VIRTUALIZATION
- SECURITY INFORMATION MANAGEMENT (SIM) IMPLEMENTATION
- NETWORK MONITORING AND REMEDIATION
- SECURITY AUDITING, REMEDIATION AND FORENSICS

A **Public Key Infrastructure (PKI)** is a set of hardware, software, people, policies, and procedures needed to create, manage, distribute, use, store, and revoke digital certificates.

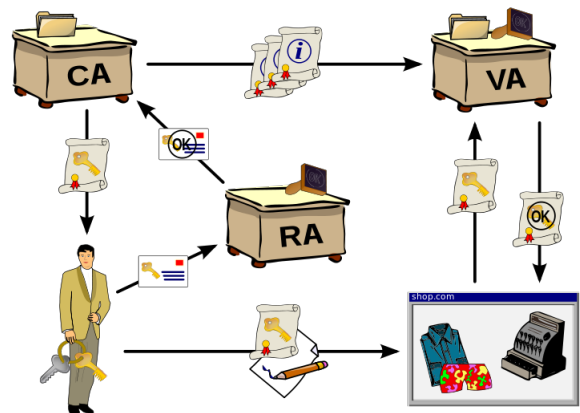
PKI enables the creation of a trusted environment which businesses may conduct trade through the Internet. A digital certificate and the infrastructure under which the digital certificate is issued provides the information and structure needed to:

- Minimize fraud by authenticating the identity of people via the Internet
- Provide privacy of messages by minimizing the risk that they can be read in transit, or by anyone, other than the intended recipient
- Assure the integrity of electronic communications by minimizing the risk of the being altered or tampered with in transit without the recipient being aware
- Provide non-repudiation of transactions so that people cannot deny involvement in a valid electronic transaction

PKI is **vital** for secure private remote authentication over public networks and using PKI allows users to access company information securely.

PKI Benefits include:

- Privacy
- Authentication
- Integrity
- Non-repudiation



Public Key Infrastructure (PKI) Services

C2 Company draws upon their *years of security experience*, as well as industry best-practices, to provide our clients with the optimal design for a PKI infrastructure, tailor-made for their needs. C2 Company technical consultants will meet with the customer to listen to their needs and provide guidance for the best solution.

Our technical consultants *design the PKI infrastructure based upon the customers requirements* while providing highly secure network access. As product sales never cloud our judgement, we leverage the technology already in place and/or evaluate and recommend leading-edge technology that will meet or exceed our client's goals.

C2 Company partners with PKI technology leaders such as PrimeKey and Utimaco, to ensure that our customers receive the best hardware and software for their PKI solution.

Upon completion, our customers *benefit from a highly functional / highly secure PKI solution* including multi-factor authentication, multi-level certificate authorities, and the ability to operate and maintain the infrastructure on a daily basis.

C2 Company also offers a variety of services to utilize the PKI infrastructure. By combining technologies such as *Cisco Identity Services Engine (ISE)*, and/or designing and implementing *One Time Password (OTP) authentication*, our customers can strengthen their security posture using our PKI services.

Technologies for C2 Company PKI Services may Include:

- PrimeKey EJBICA
- Utimaco/Sophos HSM
- Cisco Identity Services Engine (ISE)
- One Time Password (OTP) Mechanisms
- A variety of additional infrastructure components that make up a highly secure environment



Why Choose C2 Company?

C2 Company has *over 20 years experience* in building and troubleshooting networks and are experts in network security.

Our team of certified experts have designed, built and managed thousands of complex networks.