

Server Certificate Manager

An IT system that had been running without any hiccups suddenly came down to halt, and it turned out to be an expired SSL certificate on one server. This kind of failure could happen to any IT system if there is no appropriate certificate management system in place. If you have growing number of server certificates you are probably facing the following challenges.

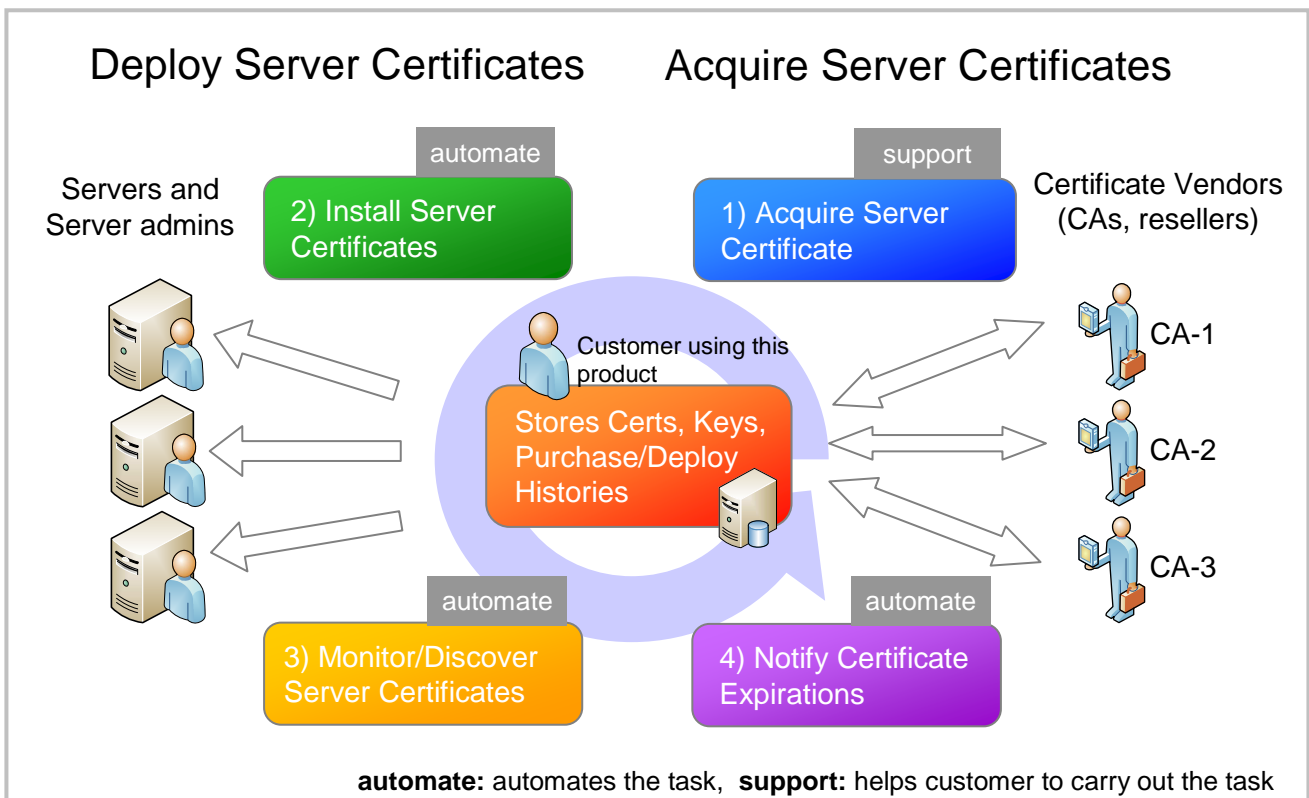
Server Certificates : Challenges for IT Managers

- Steps for generating private key / CSR too complex and error-prone.
- Steps for installing server certificate/key too complex and error-prone.
- Storage for private keys, passwords, certificates, purchase history, deploy history are not well managed or backed up.

Server Certificates : Challenges for IT Executives

- How to combat risks of system failures related to server certificates?
- Are expirations of various certificates scattered in company under our management ?
 - Note it's not only commercial certificates but also privately generated ones within the company.
- How can we optimize cost for purchasing increasing number of certificates?

Server Certificate Manager will address the challenges



Server Certificate Manager

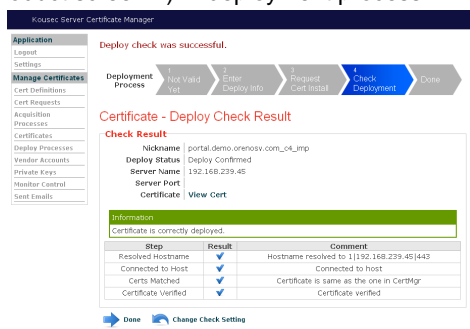
Server Certificate Manager will realize the following

| | |
|---------------|---|
| 1) Acquire | With single click, generates private key and CSR |
| 2) Install | Automates installation of certificate and key to target servers |
| 3) Monitor | Monitors installed certificates. Also discovers certificates used in server network |
| 4) Notify | Notifies statuses of certificate acquisition and deployment processes |
| Record/Retain | Records all certificates, keys and histories of acquisition/deployment/monitor |

Benefits

- 1. Reduce operational cost** by minimizing work of server engineers and bringing all control on server certificates to certificate administrators.
- 2. Reduce security and availability risks** for system failures by eliminating server certificates that are expired, mis-configured or non-compliant with company policies.
- 3. Optimize costs for acquiring certificates** by strategically planning certificate procurement, e.g., you could switch to the builtin private CA for some class of uses and to a lower-cost CA for others, or consolidate all certificates on a single CA thereby obtaining volume discount.

Product screen 1) In deployment process



Product screen 2) Certificate status list

| Actions | Id | Nickname | Project | Level | Current Cert | Next Cert | Deploy Status | Organization Name | Product Vendor |
|---------|-----------------------|----------|---------|-------|------------------|-------------------------|------------------|-------------------|-----------------------|
| 1 | localhost.localdomain | | | | Not Requested | Not Requested | Happy New Year! | SomeOrganization | Private CA (Built-in) |
| 2 | www.example.com | Testing | | | No Cert Acquired | Not Requested | No Cert Acquired | Example, Inc. | Private CA (Built-in) |
| 3 | ldap.example.com | Testing | | | No Cert Acquired | Not Requested | No Cert Acquired | Example, Inc. | Not specified |
| 4 | pop.example.com | Testing | | | No Cert Acquired | Not Requested | No Cert Acquired | Example, Inc. | Not specified |
| 5 | www2.example.com | | | | No Cert Acquired | Acquisition In Progress | No Cert Acquired | Example, Inc. | Not specified |

System Requirements (as of 2010/1)

Supported Platforms : Windows XP, Windows Server 2003, Windows Server 2008
Supported Target Servers: IIS, Exchange2007, JKS-generic, Apache/Linux, VMware ESXi and other OSS servers (See release notes for latest list)
 Other SSL-enabled server applications (manual certificate installation)

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