

# PKI Health Check

Understand the current state of your Public Key Infrastructure (PKI) environment

External changes and a proliferation of devices, applications and services could be making your PKI infrastructure obsolete, leaving you with just the illusion of security. A PKI Health Check from Oxford Computer Group will ensure that your PKI certificate solution is reality, not illusion.

## Summary

A PKI Health Check from Oxford Computer Group (OCG) will help your organization understand the current state of your PKI environment.

It will identify any major security vulnerabilities.

The resulting presentation and report provides information to help optimize your PKI environment according to Microsoft and industry best practices.

## Why worry about your PKI infrastructure?

Nearly every week we see in the news that the internet and even internal networks are hostile places. Hacking by criminals, spying by competitors and foreign governments, meeting legislative and regulatory rules and laws, and privacy concerns are all compelling reasons to make networks as secure as possible.

Many software products, services, hardware devices, and appliances are turning towards X.509 certificates to provide a measure of security through encryption, data integrity, and authentication of both the identity of the device and the user.

The problem with this approach is that by and large the vendors who release their products with certificate requirements are generally not experts in PKI technology. As such their guidance for deploying a PKI may not produce a secure, strategic, scalable and enterprise-ready PKI deployment. Instead, they may produce a tactical solution supporting only their product and is likely not to be suitable for a strategic, enterprise-ready PKI.

Rather than a single enterprise-ready PKI, we're seeing more and more disjointed, non-connected PKI deployments within a single organization that have been deployed in isolation by administrators of the various applications, services, or hardware devices that support or require certificates. This results in PKIs that are difficult to manage and maintain and rather than providing true security, merely provide the illusion of security.

A PKI is all about trust. It is very easy to reduce the trust level of a PKI once deployed through misconfiguration and mismanagement, and it is equally very difficult to increase the trust level of a PKI after the fact.

Add to that the forthcoming retirement of Windows Server 2003 in July 2015. This means there will be no patches or security upgrades coming from Microsoft and if left as is, your system will be at a much higher risk of threats.

There are many new Active Directory Certificate Services features and functionality introduced with each version of Windows Server, beginning with Windows Server 2008 and progressing to Windows Server 2012 R2.

**It's time to take action to stay in control. An OCG Health Check is the best place to start.**



**Support for Windows Server 2003 is being retired in July, 2015 and with it, security updates for any PKI systems running on it.**

**Do you know certificates issued to .LOCAL domains will not be renewed after November 2015?**

**OCG has the tools to ease the transition and maintain the integrity of your PKI environment.**

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# PKI Health Check

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## Our Health Check

Our Health Check service will examine and report on the current state of your PKI environment. It works like this:

- Before beginning, your PKI support team fills out a questionnaire about your PKI environment
- We send our OCG engineer to your premises to work with your staff to collect configuration and health information from all of the Certificate Authorities
- We get commitment from key PKI technical staff who are knowledgeable and available to help us work through your environment
- We use both custom and native tools

## Taking part and learning

Those taking part in the Health Check will gain the following skills and techniques to meet the objectives in a production environment:

- Troubleshooting
- Deployment and Customization Best Practices
- Disaster Recovery
- Tools and Scripts
- Design and Deploy Certificate Templates
- Third Party Integration
- Security and Auditing Phases of the Health Check
- Hardware Security Module integration

## Report and recommendations

We summarize the recommendations to create a custom report on your organization's PKI configuration. Along with a presentation, the report includes:

- A review of the current state of your organization's PKI
- A remediation plan to address any concerns we identify
- Recommendations prioritized as Critical, Warning or Minor
- A definition of short-term targets and long-term goals
- A range of solutions and strategies

OCG's knowledge of industry trends may help you decide which action to take to achieve your goals.

## Benefits

You will understand the current state of your PKI architecture and any existing risks, including how you can increase operational efficiency, maximize system uptime and reduce costs.

**Now you have discovered the facts, you'll be able to create a robust PKI strategy to take your organization into the future.**

To arrange your PKI health check  
call us on +1 877 862 1617  
or email [info@oxfordcomputergroup.com](mailto:info@oxfordcomputergroup.com)

**Let Oxford Computer Group be your technology partner and guide you through the complexity.**

**Call us today**