



DATA SHEET

Microsoft Public Key Infrastructure (PKI) Health Check Program

The Microsoft PKI Health Check program helps you identify risks in your PKI environment so you can resolve issues that may impact your organisation.

The **Microsoft Public Key Infrastructure Health Check (PKIHC)** provides insight into the configuration of the customer's Windows PKI environment. This on-site engagement will use a variety of tools and surveys to gather data for key aspects of the PKI environment. The PKIHC will consist of analysing the PKI configuration against published Microsoft PKI best practices using a checklist of elements that are essential to ensuring the environment is securely and properly configured. Areas of focus will include not only server configurations and design, but will also include health status, physical and logical security controls, group policy design and preparation for future PKI needs.

Key Features:

The PKIHC provides the customer with information that will enable them to take action to optimize their PKI environment per Microsoft best practices. This review process will also allow for knowledge transfer to support personnel that will be participating in the review. The review will provide customers with the skills and techniques to meet the following objectives in a production environment:

- Identifying Problems
- Operations
- Troubleshooting
- Deployment/Customization Best Practices
- Disaster Recovery
- Tools and Scripts
- Design/Deploy Certificate Templates
- Third Party Integration
- Security and Auditing

Target Audience:

The PKIHC is for the team that implements and maintains the PKI environment as well as the groups that are involved in the use of certificates such as desktop support teams, infrastructure teams and security groups.

Phases of the Health Check Program:

Part I: Data Gathering

Prior to arriving onsite, the customer will be requested to complete an operational survey outlining several aspects of their PKI environment. Once onsite, an engineer will work with the customer to collect configuration and health information from all of the Certificate Authorities. Some of the tools used for the Health Check include:

- Cerutil – display, verify and report on the PKI Configuration and it's elements
- PKIView – diagnose and display the health of the overall PKI
- PKIHC_Collect – collect and analyse PKI configuration data and status
- PKIHC_Parse – analyse and report on key PKI configuration items

Part II: Data Analysis and Reporting

After the gathered data is analysed, a custom report is generated which documents the PKI configuration and contains a prioritized list of recommendations. Working in conjunction with the TAM and the onsite engineer, the customer will be able to develop a remediation plan to address any identified issues. Additional services or onsite engagements can be arranged to assist as requested with any remediation. At the completion of the engagement, a high-level presentation file will also be provided that identifies the top issues, recommendations and scorecard status on the health of the PKI.

Help Maintain Maximum Efficiency

The Microsoft PKI Health Check Program leverages Microsoft's own IT organization's knowledge. By sharing our internal expertise, we hope to help you reach your ideal PKI goals.

Help Reduce Support Costs

The Microsoft PKI Health Check Program helps expose vulnerabilities in your PKI infrastructure and operational processes. When resolved, the result can be improved uptime and lower support costs. Diagnostics reveal causes, not just symptoms, enabling you to take a proactive approach to reducing problems. This includes helping to identify problems to optimize productivity and uncovering potential issues before they affect users and drive up support costs.

Utilise Practical Recommendations

The program provides possible solutions for each of the risks identified to assist you in operating an enterprise PKI deployment. You will receive operations, configuration, and architectural recommendations aimed at improving the operational efficiency of your PKI configuration.

For more information

About consulting and support offerings from Microsoft, contact your Microsoft Services representative or visit www.microsoft.com.au/services.