MICROSOFT IIS

HEALTH CHECK

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THE CONTEXT

| **62 DAYS**	**92%**	**75%+**
AVERAGE TIME TO FIX A CRITICAL RISK	WEB ADMINS DON'T ANALYZE LOGS PROACTIVELY	WEBSITES HAVE UNPATCHED VULNERABILITIES

Let's start by setting the context of this discussion.

Websites are exposed to the internet and can cause serious harm to your business due to breaches if not managed and secured well.

Sources:
- http://bit.ly/atto-web-security
- http://bit.ly/atto-vulnerability-report
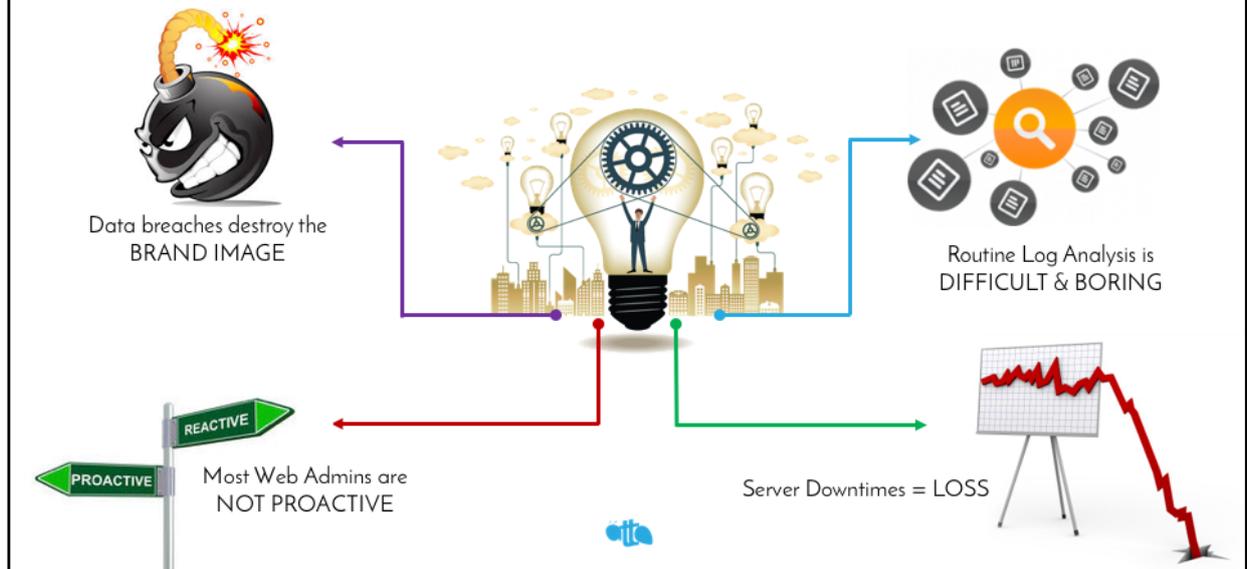
- Web Servers in production environment are usually not patched to the latest levels due to various reasons. This is bad.
- Couple it with the fact that most web administrators do not have deep level knowledge about the application. The effect is that the web servers once in production are not analyzed proactively due to which the vulnerabilities and attacks go undetected for weeks, if not months! This is quite scary if your web servers host sensitive the data.
- Most web administrators find routine log analysis as a boring and arduous task. There is a huge opportunity for automating such tasks.
- If the issues are not monitored proactively, it worsens over a period of time and your servers start to act up ending in hung processes, crashes and memory leaks. It becomes very difficult to fix the operations in flight and hence, it is extremely important that you keep a very close eye on the servers and fix the issues before it becomes unmanageable.
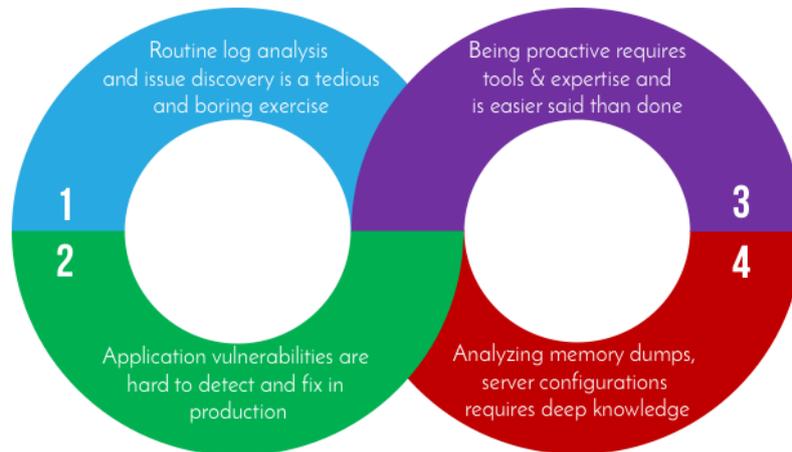
1. Analyzing log files on a routine basis is a tedious exercise due to the humungous amount of logs generated by a busy IIS Server. A reasonably busy server can emit GBs of logs per server per day and it requires dedication to proactively analyze it for anomalies.
2. The logs usually contain a lot of information about areas of the application that are performing slowly and needs fine tuning. However, finding these areas require effort and fixing it needs re-engineering. It is costly to re-engineer and hence, it is extremely important to dedicate resources where it is needed most for best results.
3. Being proactive is easier said than done. It needs a lot of practice and the right kind of tools & expertise to get it right.
4. The logs show, "where", but don't tell you "why". Memory dumps can help you find "why" the application is behaving poorly even after proper allocation of resources. Usually, the analysis is a tough and time consuming process since it needs thorough knowledge of .NET framework & IIS.

THE SOLUTION — IIS HEALTH CHECK

- ✓ Capture various logs from production servers for analysis.
- ✓ Interview the administrators to find out good and bad practices.
- ✓ Analyze various log files to highlight issues.
- ✓ Security analysis.
- ✓ Anomaly detection and reporting.
- ✓ 100+ configuration checks.
- ✓ Analysis done by web experts with more than a decade of experience.
- ✓ FREE Memory dump analysis to pin point problem areas.
- ✓ FREE Knowledge transfer to the team during the close-out session.
- ✓ FREE tool for automated log analysis.

Our periodic IIS health check exercise can help you achieve better throughput from your web servers. The basic idea is to collect various log files, do the analysis, and share knowledge during the reporting process. This way, the administrators can learn the best practices and can take better care of the servers.

Optionally, as a part of the delivery, you are entitled for a FREE software (core version) that analyzes your logs on a fixed routine. The tool can be customized for your environment at an extra fees.

> *Let the experts do their job!*
>
> *- Unknown*

CONTACT US

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THANK YOU