

# Azha **S y s t e m s** Case Study



## **FBI Website Hosting**

## Background

The Federal Bureau of Investigation is tasked with the mission to protect and defend the United States against terrorist and foreign intelligence threats, to uphold and enforce the criminal laws of the United States, and to provide leadership and criminal justice services to federal, state, municipal, and international agencies and partners.

The official FBI website ([www.fbi.gov](http://www.fbi.gov)) receives over 30 - 35 million visits every year and provides citizens access to information about the FBI, various crime statistics and information about wanted fugitives.

As one of the most recognized agencies in the world, the FBI website is not only a top site trafficked by legitimate users on the internet, but also a highly prized target and subject to numerous cyber attacks by hackers and cyber criminals.

## Project Requirements

As part of the FBI Hosting project, Sprint ([www.sprint.com](http://www.sprint.com)) was selected as the prime contractor to provide hosting services for the FBI website. This included managed equipment in a secure hosting facility, system design, performance monitoring, optimization, documentation, software development, and 24 x 7 x 365 technical support and troubleshooting.

In order to design and implement a highly secure and robust hosting environment, Sprint partnered with a number of companies to provide specialized services. As a result, Sprint chose Azha Systems as one of its solution provider partners.

## The Azha Systems Solution

The Azha Systems solution included the following responsibilities:

- 24 / 7 /365 managed support of the FBI Hosting system
- System Planning
- System Testing
- Access Control and Monitoring
- System Hardening
- OS and Application Patching
- System Maintenance
- Performance Monitoring and Alerting
- System Optimization
- Incident Response
- Custom code development and debugging
- Application Support
- System Troubleshooting
- Documentation
- System Integration

Azha Systems personnel worked with staff from the FBI and Sprint to assist in the design of a solution for hosting the FBI website. Services from SunGard [www.sungard.com](http://www.sungard.com) were used in conjunction with content delivery services from Akamai ([www.akamai.com](http://www.akamai.com)), to provide a robust hosting service that could handle not only the large amount of legitimate traffic, but also protection from cyber attacks, including site defacement, intrusion and denial of service (DoS) attacks.

Custom code was developed for parsing web logs and responding to network and site events. Azha Systems provided dedicated personnel to provide 24 x 7 x 365 technical support, troubleshooting, monitoring and management to ensure that server operating systems and application software were up to date, meeting performance requirements and secure.