

# Network Upgrade



## Updating policies and practices for premium security coverage.

When a new CIO joined an insurance and staffing services company, he had concerns about data security and network performance. To proactively improve the company's overall security posture and improve network capabilities, the CIO engaged Zones to help. We provided the expertise, products, and IT services required to modernize the company's security and networking, as well as training services, which had far-reaching, positive effects on the company.



Strengthen data protection, minimize the risk of security breaches, and steps to upgrade their systems.



Limited IT resources for planning, design, and implementation services to manage the project from start to finish.



The critical phase of the project with Identity Services Engine (ISE) implementations with our ISE senior solutions.



### CHALLENGE

- Upgrade security systems.
- Improve network performance.
- Stay within budget constraints.
- Meet tight deadline.



### SOLUTION

- Cisco networking and security products.
- Zones design, integration, and implementation services.
- Training at all locations (U.S., remote users, and UK).



### RESULTS

- Advanced security protection.
- Modern network infrastructure.
- Increased operational efficiencies.
- Regulatory compliance.
- Extended value of internal IT team.

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## THE CHALLENGE

Extensive dealings with sensitive data raised concerns at an insurance and staffing services company about their existing security and network infrastructure. To strengthen data protection and minimize the risk of security breaches, it was critical that they take immediate steps to upgrade their systems. And because of industry regulations, any solutions needed to help maintain regulatory compliance and best practices.

## THE SOLUTION

With limited IT resources available at the company, Zones completed the planning, design, and implementation services. To effectively and efficiently manage the project from start to finish, the team established a detailed plan. It started with the initial assessment which identified key gaps in the company's network security infrastructure.

A holistic solution with cost-effective upgrade options to meet regulatory compliance requirements was designed by the Zones Security team, improving the company's overall security posture and meeting industry best practices. The proposed solution included integration, deployment, and training covering all U.S. locations, remote users, and the company's UK office.

### Network Upgrade

To be able to support the new security tools and technology, it was necessary to replace the legacy networking infrastructure with new equipment. After the network design was established, the team moved forward with:

- Configuration of IP addresses and IP services.
- Installation and provisioning of Cisco UCS servers.
- Configuration of Cisco Nexus and Catalyst Switches.
- Installation and configuration of Cisco Prime Infrastructure.

In addition to these services, the team performed functionality and redundancy testing of the installed network.

### Security Upgrade

A complex project by itself, this critical phase of the project was led by a Zones project manager experienced with Identity Services Engine (ISE) implementations along with our ISE senior solution architect and ISE network consulting engineer.

- Perform client requirements assessment.
- Perform infrastructure readiness review.
- Installation and configuration of ISE solution in test environment.
- Test and evaluation of ISE use cases in test environment.
- Roll-out of ISE use cases in production environment.
- Configuration of Cisco Meraki access points.
- Onboarding of wired and wireless endpoints.

## THE RESULTS

The company awarded Zones this Cisco network security infrastructure project based on our detail-oriented approach, resulting in an innovative solution to meet the company's security needs, budget constraints, and tight delivery timelines.



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