Case Study

The State of Vermont

Requirement

The Contractor shall, in full satisfaction of the specific requirements of this SOW RFP, provide the services set forth herein. Assessing business and applications requirements for corporate data networks Planning, designing, and upgrading network installation projects Establishing and maintaining backup, version-control, and viral defense systems Troubleshooting network architecture and making recommendations for system findings and enhancements Making recommendations for leveraging network installations and reducing operational costs
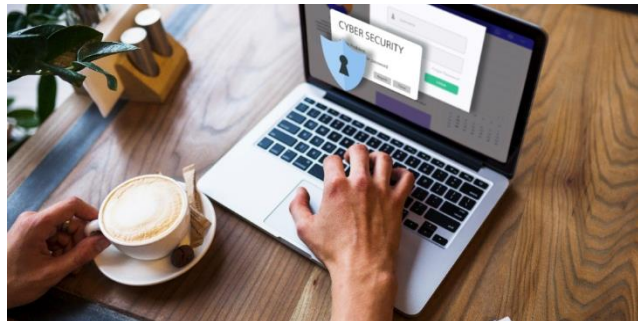
Solution

Factor Authentication: With 2-Factor Authentication (2FA) cloud users can validate all logins and passwords from any geographic location using their personal devices.

Encryption: Encryption is an incredibly advantageous piece of cloud security. The encryption process transforms data into unreadable formats before transferring and storing it in the cloud. Without an encryption key, content on the cloud becomes indecipherable to attackers and, therefore, ineffective.

Data Loss Prevention: Data loss prevention (DLP) ensures your organization's data stays safe, at rest and in transit, from both internal and external threats. DLP also protects data from accidental exposure. DLP solutions provide visibility and control in SaaS and IaaS applications.

About
Cogent Infotech

Founded in 2003, Cogent Infotech is a trusted, award-winning firm with **21+ years** of experience, **150+** government contracts, **10,000+** projects, and a 96% employee retention rate. Recognized as an SBA Small Business and MBE-certified, we deliver excellence through diverse talent, AI-driven recruitment, and cooperative contracts like NASPO Value Point and TIPS-USA.

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Privileged Access Management: The rise in contractors and remote workers means organizations don't need to share a single workspace or account. Thus, privileged access has begun to expand its parameters. Along with 2FA, privileged access management can help validate and verify users and their activity.

Cloud Security Monitoring & Vulnerability Management: Cloud security monitoring solutions allow you to supervise both on-premises and virtual servers to increase visibility across the infrastructure. These services provide continuous data monitoring, integrating seamlessly with your organization's existing services to identify threats and vulnerabilities.

Risk

Install Network Performance Monitoring Tool - Monitoring client connections and internal network performance is made easier with Obkio 's end-to-end Network Monitoring SaaS service.
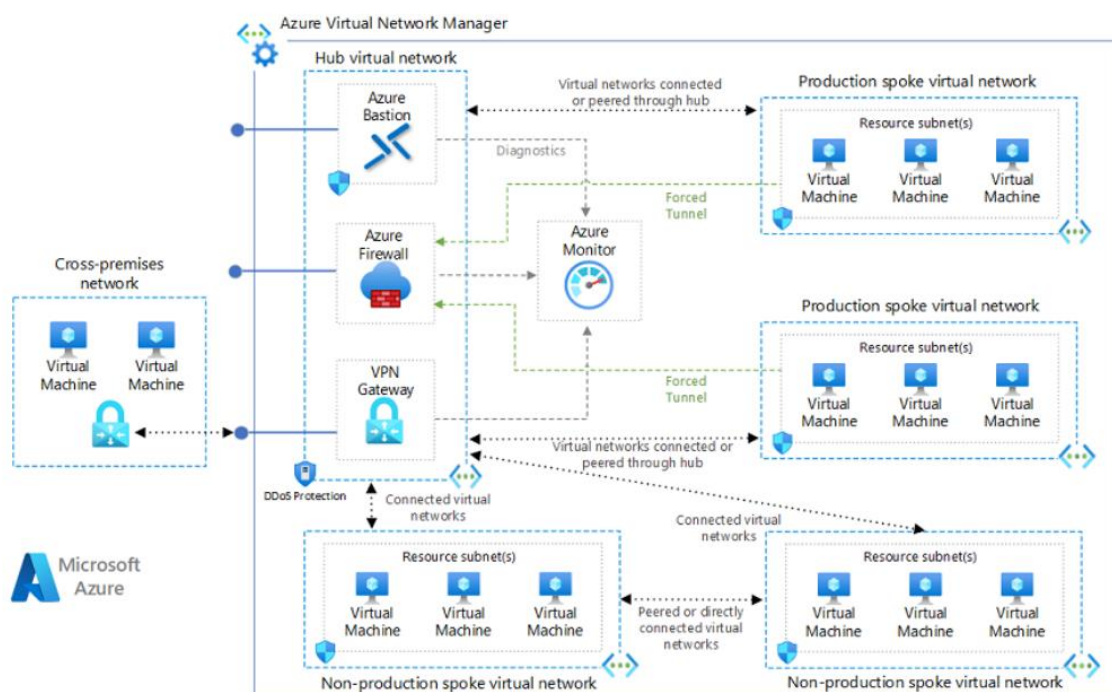
Install Agents to Monitor the Network!

Monitoring Network Health for Core Network Devices

Monitoring Firewalls: Measure the true impact of firewall performance on network and end-user experience. Collect real-time metrics related to firewall performance, such as CPU and bandwidth usage.

Collect Core Network Health Data Examine Past and Current Network Data

Optimize Your Network: Timely resolution of network issues can guarantee seamless network operation and stop them from impairing overall performance.

Solution Design

Best Practices

- ✓ Assessment and Planning
- ✓ Adopt Software-Defined Networking (SDN)
- ✓ Implement Network Function Virtualization (NFV)
- ✓ Enhance Security
- ✓ Leverage Cloud and Hybrid Solutions
- ✓ Improve Network Performance
- ✓ Adopt Modern Wireless Technologies
- ✓ Monitor and Analyze Network Performance
- ✓ Automation and Orchestration

TECHNOLOGIES

Corporate data and voice networks – MPL(Multiprotocol Label Switching),Private Line(Point to Point connectivity),VPN

Planning & design - Visio, Devops, Excel Services, Network Diagram Software tools.

- Security: Azure CLI, Azure PowerShell, Azure Cloud Shell, and storage emulators, such as Azure Storage emulator (Windows), MFA, Azure AD, API management. Defender, DdoS, Disaster recovery tools, Application Management,

Network & Security: Cloud services (AWS, Azure), Virtualization, Application Gateway, Data Integration, Cloud Monitoring, Devops, API Management, Network & routing, Network Performance monitoring

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