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INTRODUCTION

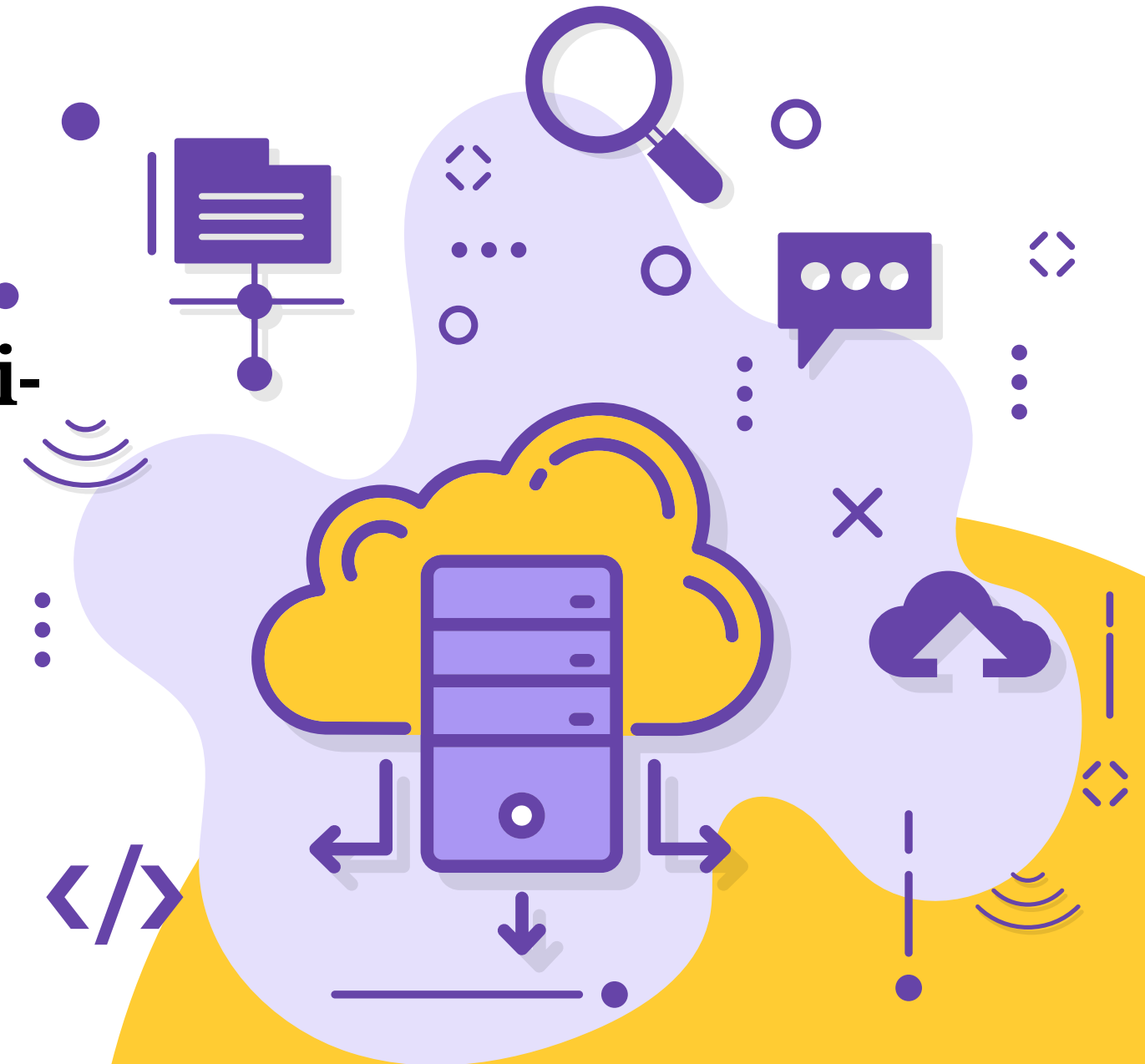
In this project, we designed and implemented a secure, scalable Azure networking solution for a multi-branch retail chain. The solution includes hybrid connectivity using VPNs, network security enhancements with Azure Firewall and DDoS protection, and performance optimization through load balancing. Our goal was to ensure seamless connectivity, high availability, and strong security while enabling efficient cloud integration. This presentation showcases the network architecture, implementation process, and business impact.



BUSINESS CASE SCENARIO

Secure and Scalable Azure Network for a Multi-Branch Retail Chain:

A national retail company, **ShopEase**, operates multiple branches across the country and plans to migrate its IT infrastructure to Azure. The company needs a secure, scalable, and highly available networking solution to connect its stores, warehouses, and headquarters while ensuring data protection, seamless access, and efficient traffic management.





Business Challenges

01

Hybrid Connectivity:

The company must securely connect its on-premises data center with Azure, allowing employees and branches to access resources.

02

Network Security:

Protect sensitive customer data, transactions, and internal communications from cyber threats.

03

Performance Optimization:

Ensure fast and reliable access to business applications, websites, and databases, even during high traffic.

04

Disaster Recovery & Redundancy:

Minimize downtime and data loss in case of failures or cyberattacks.





Business Impact

01

Cost Efficiency:

Reducing on-premises infrastructure costs and optimizing cloud expenses.

02

Improved Security:

End-to-end encryption, DDoS protection, and firewall policies ensure data protection.

03

High Availability & Reliability:

Load balancing and VPN connectivity keep business operations running smoothly.

04

Scalability:

Azure's cloud-based networking allows the company to expand seamlessly.





THANK YOU

