

APPLICATION MODERNIZATION

Modernize applications to gain access to flexible, scalable, and cost-effective cloud resources. Neal Analytics can help organizations get the most from these and other resources like serverless architectures, which can enable quicker code deployments. Modernizing apps can also help bolster security with new, cloud-enabled solutions.



APPLICATION MODERNIZATION

Innovate faster, reduce costs, and better protect your applications through migration and modernization

BENEFITS

- Virtually unlimited on-demand scalability
- Environment right-sizing
- Reduced TCO
- Agile app development
- Enhanced IT security
- Cloud-scale
- Rapid iterations: Test, measure, optimize

Migrating applications to the cloud comes with a range of benefits – a reduced total cost of ownership (TCO), nearly unlimited scalability, and the ability to spin up instances on-demand are common drivers to cloud adoption.

Going a step further and modernizing applications enables organizations to do more by taking advantage of cloud-enabled services like serverless computing and real time analytics.

Assess

Implement

Migrate

Insights

Innovate



GAIN FLEXIBILITY

Modernizing apps in the cloud enables organizations to gain flexibility compared to rigid on-premises environments. Rather than overprovision hardware to account for peak usage demands, organizations can easily scale up and down to right-size their IT environment, helping reduce TCO. Organizations also gain the ability to integrate apps more easily through robust API integrations.

ACCELERATE TIME TO MARKET

Leading cloud platforms, such as Azure and AWS, enable organizations to take advantage of and integrate their business apps with modern services like Serverless solutions. Serverless solutions eliminate the need to manually provision cloud resources, meaning a developer can focus on writing, testing and deploying code helping drive an accelerated time to market for new apps and features.

ENHANCE SECURITY & COMPLIANCE

A key benefit modernizing apps is an improved security posture via cloud-enabled security solutions and compliant architectures. The flexibility and cost-effective compute power of the cloud supports meeting regulatory compliance standards and can easily adapt to meet new regulations that arise while improving IT security.



ENABLING TECHNOLOGIES

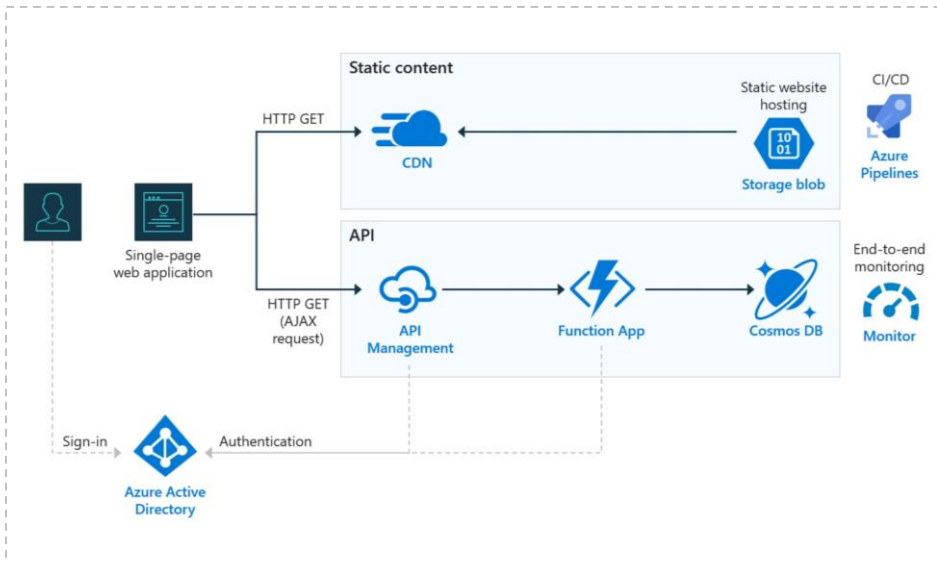
Microsoft

- Azure Web Apps
- Azure API Apps
- Azure Functions
- PowerApps
- Azure Logic Apps

89%

Of companies are targeting app modernization to reduce the number of systems that don't communicate

Source: CIO.com



HOW CAN MICROSOFT SERVERLESS SOLUTIONS HELP IMPROVE SPEED?

The cloud offers a great number of well-known benefits, one of which is the ability to leverage Azure serverless solutions in applications. Running apps on serverless architectures means developers no longer need to spend their time manually provisioning and coding resources. Serverless solutions achieve this by automatically provision exactly what they need to run. Best of all, serverless functions leverage pay-as-you-go pricing, meaning organizations are only charged when serverless solutions are being used.

This provides a quick and cost-effective way for developers to build, test, and deploy code, leading to more innovation on core business apps and a faster time to market.

56%

Percentage of IT executives whose organizations experienced application-layer DDoS attacks

Source: TechBeacon

CAN THE CLOUD REALLY IMPROVE APP SECURITY?

The virtually unlimited and highly cost-effective compute power available in the cloud enables security solutions considered impossible or impractical on-premises. Examples include real-time logging and monitoring, analytics, and intrusion detection solutions that can issue notifications as breach attempts occur. The cloud also offers incredible flexibility, enabling organizations to redesign environments to operate in a manner compliant with relevant regulations as they come into effect or change.

Modern apps built by Neal Analytics are also designed to meet or exceed any relevant regulatory compliance, data sovereignty, or other applicable laws and standards, including HIPAA, FERPA, GDPR, CCPA, PCI DSS FedRAMP, FISMA, NIST, ISO, and more.

Additionally, Microsoft Azure features Active Directory integrations, supporting Single Sign-On and a federated user profile across the entire environment. This simultaneously improves employee productivity while reducing potential avenues for phishing.

WHY NEAL ANALYTICS?

Neal Analytics is an award-winning Microsoft Gold Partner with a deep familiarity with the Microsoft ecosystem and Azure Serverless in particular. We have leveraged best-of-breed solutions and tools in several Application Migration & Modernization projects across virtually all industries. With our flexible engagement models, Neal can jump in to help during any stage of your digital transformation journey.

Moreover, Neal is deeply knowledgeable about regulatory compliance and is cognizant of the rapidly evolving data privacy landscape. This is why Neal Analytics strictly adheres to security best practices when migrating and modernizing applications in the cloud.

Microsoft
Partner


Gold Data Analytics
Gold Cloud Platform
2018 Partner of the Year Finalist
App Innovation Award
2017 Partner of the Year Winner
Business Analytics Award