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Modernizing Applications with Azure

One of the most effective ways to realize the benefits of migrating applications and system architectures to the cloud is to utilize PaaS (Platform as a Service) services

While a 'lift and shift' migration to Azure infrastructure services can offer significant benefits, it does not take advantage of everything the cloud has to offer. Virtual machines still need to be patched, services cannot scale automatically based on usage, software updates must be managed, and many of the higher-level services offered by the cloud are not available. To take full advantage of the cloud requires a migration to Azure platform services.

The service elaborates on the right cloud-native application architecture for the applications of our customers, incorporating proven best practices into the cloud designs and optimizes implementation by leveraging our experience and the existing deployment templates for common architectures.

When a Company needs this service?

- Understand the benefits of platform vs infrastructure approaches to the cloud

- Choose which platform services best suits your current application environment and expertise

- Develop for multiple platforms—including mobile—more easily

- Efficiently manage the application lifecycle

- Add development capabilities without adding staff

- Exploit Stateless Design, Serverless and PaaS Services

Why

- PaaS hosting is provided by Managed VMs that do not require the traditional maintenance and updates required by traditional IaaS VMs.

- PaaS development tools can cut the time it takes to code new apps with pre-coded application components built into the platform.

- PaaS components can give the development team new capabilities without needing to add staff

Features

- Focus on building applications and business logic, instead of managing infrastructure, reliability, scalability, and latency.

- Quickly build powerful web, mobile, and API apps using multiple languages / frameworks (.NET, .NET Core, Java, Ruby, Node.js, etc).

- Reliably deploy, update and scale applications effortlessly across many virtual machines, using either Windows or Linux.

- Globally deliver content to any device with low latency.

How

- Discover & Assess

- Plan & Design

- Build & POC

- Migrate & Test

- Performance & Security

- Manage and Maintain

Cloud-native designs offer the greatest cloud benefits.