



TIP SHEET

3 Ways to Harness the Power of Cloud-Native Applications

Cloud-native applications are created and developed to take advantage of powerful extensive and cloud scale performance. Using microservices architectures, they utilize managed services and continuous delivery to accomplish accuracy and faster time to market. The goal is to use Azure to build your cloud-native apps with effortlessly integrated development tools and native enterprise-grade security. Using the tools and technologies of your choice, you can implement a microservices-based, cloud-native architecture to develop and expand your applications.

1

Microservices

If you're looking to simplify the development of your distributed cloud applications and take advantage of built-in, enterprise-grade security and autoscaling, then you need to seriously consider microservices. Microservices are a method to creating applications where each primary objective is built and deployed independently, ensuring that if one part has a failure, it won't affect the whole app. These independent segments combine and communicate with API contracts, enabling users to construct microservice applications, empowering businesses to rise to the challenge of quickly fluctuating business needs and bring their solutions to market faster.

2

Serverless

If your organization is trying to build cloud-native apps without provisioning and managing infrastructure using a fully managed platform then a serverless app is right for you. They create an environment where scaling, availability, and performance are handled for you, and deliver more value to the core of your business by minimizing the time and resources you spend on infrastructure-related requirements. You can use fully managed, end-to-end Azure serverless solutions to boost developer productivity, optimize resources, and accelerate the pace of innovation.

3

Containers

Wherever you are in your app modernization journey, you can accelerate your containerized application development while meeting your security requirements with Azure. Azure managed services can handle container orchestration, provisioning, upgrading, and scaling cluster resources based on demand. This will enable you to save costs by lifting and shifting your existing applications to containers, while building microservices applications to deliver value to your users faster. Use end-to-end developer and CI/CD tools to develop, update, and deploy your containerized applications. You can also manage containers at scale with a fully managed Kubernetes container management and orchestration service that integrates with Azure Active Directory.

