The What, Why, and How of Application Modernization on Google Cloud

What is Application Modernization?

Application modernization is the process of updating legacy applications to make them more efficient, scalable, and secure. This can involve a variety of changes, such as:

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- Moving applications to the cloud

- Refactoring applications to use modern architectures

- Adopting new technologies and tools

Why Modernize Your Applications?

There are many benefits to modernizing your applications, including:

- Improved performance and scalability

- Increased security

- Reduced costs

- Improved agility and innovation

How to Modernize Your Applications

The process of application modernization can be complex, but it can be broken down into a few key steps:

1. **Assess your current applications.** The first step is to assess your current applications and identify which ones are good candidates for modernization.

2. **Choose a modernization strategy.** Once you have identified which applications to modernize, you need to choose a modernization strategy. There are a variety of options available, such as:

- **Rehosting:** Moving applications to the cloud without making any changes to the code.

- **Replatforming:** Moving applications to the cloud and making some changes to the code to take advantage of cloud-native features.

- **Refactoring:** Making significant changes to the code of applications to improve their performance, scalability, and security.

- **Implement your modernization strategy.** Once you have chosen a modernization strategy, you need to implement it. This can involve a variety of tasks, such as:

- Provisioning cloud resources

- Migrating applications to the cloud

- Making changes to application code

- **Test and monitor your modernized applications.** Once you have implemented your modernization strategy, you need to test and monitor your modernized applications to ensure that they are working properly.

Google Cloud for Application Modernization

Google Cloud provides a comprehensive set of tools and services to help you modernize your applications. These include:

- **Google Kubernetes Engine (GKE):** A managed Kubernetes service that makes it easy to deploy and manage containerized applications.

- **Cloud Functions:** A serverless platform that allows you to run code without managing any infrastructure.

- **Cloud SQL:** A fully managed database service that supports a variety of database engines.

- **Cloud Storage:** A highly scalable object storage service that is ideal for storing large amounts of data.

Application modernization is a critical step for businesses that want to remain competitive in the digital age. Google Cloud provides a comprehensive set of tools and services to help you modernize your applications quickly and easily.

If you are interested in learning more about application modernization on Google Cloud, I encourage you to download our free ebook, The What, Why, and How of Application Modernization on Google Cloud. This ebook provides a comprehensive overview of application modernization, including the benefits, challenges, and best practices.

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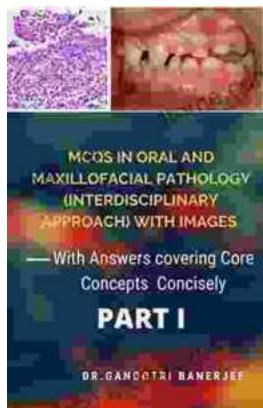
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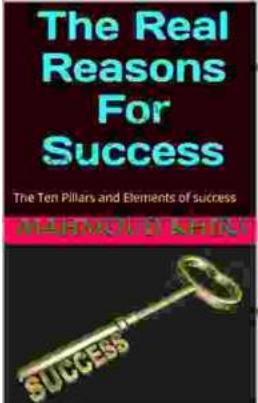
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