

# Techniques And Principles For Building Large Scale Mission Critical Applications

Large scale mission critical applications are essential to the operation of many businesses and organizations. These applications must be highly reliable, scalable, and secure. Building these applications is a complex and challenging task. This book provides a comprehensive overview of the techniques and principles for building large scale mission critical applications.



## Hardening Azure Applications: Techniques and Principles for Building Large-Scale, Mission-Critical Applications

★★★★★ 5 out of 5

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Screen Reader : Supported  
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## Requirements Gathering and Analysis

The first step in building a large scale mission critical application is to gather and analyze the requirements. This process involves identifying the stakeholders, understanding their needs, and defining the scope of the application. The requirements should be clear, concise, and complete.

## **Design**

Once the requirements have been gathered and analyzed, the next step is to design the application. The design should be based on the principles of software engineering. The design should be modular, scalable, and secure. It should also be easy to maintain and upgrade.

## **Implementation**

The next step is to implement the application. The implementation should be based on the design. The code should be clear, concise, and well-documented. The code should also be tested thoroughly.

## **Testing**

Once the application has been implemented, it must be tested. The testing should be thorough and should cover all aspects of the application. The testing should also be automated as much as possible.

## **Deployment**

Once the application has been tested, it must be deployed. The deployment should be planned carefully. The application should be deployed to a production environment that is secure and reliable.

## **Operation and Maintenance**

Once the application has been deployed, it must be operated and maintained. The operation and maintenance should be based on a plan. The plan should include procedures for monitoring the application, responding to incidents, and performing upgrades.

Building large scale mission critical applications is a complex and challenging task. However, by following the techniques and principles in this book, you can increase the chances of success. This book is a valuable resource for software engineers, architects, and project managers who are involved in the development of large scale mission critical applications.



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