Building a Web Server on Azure VM: A Step-by-Step Guide

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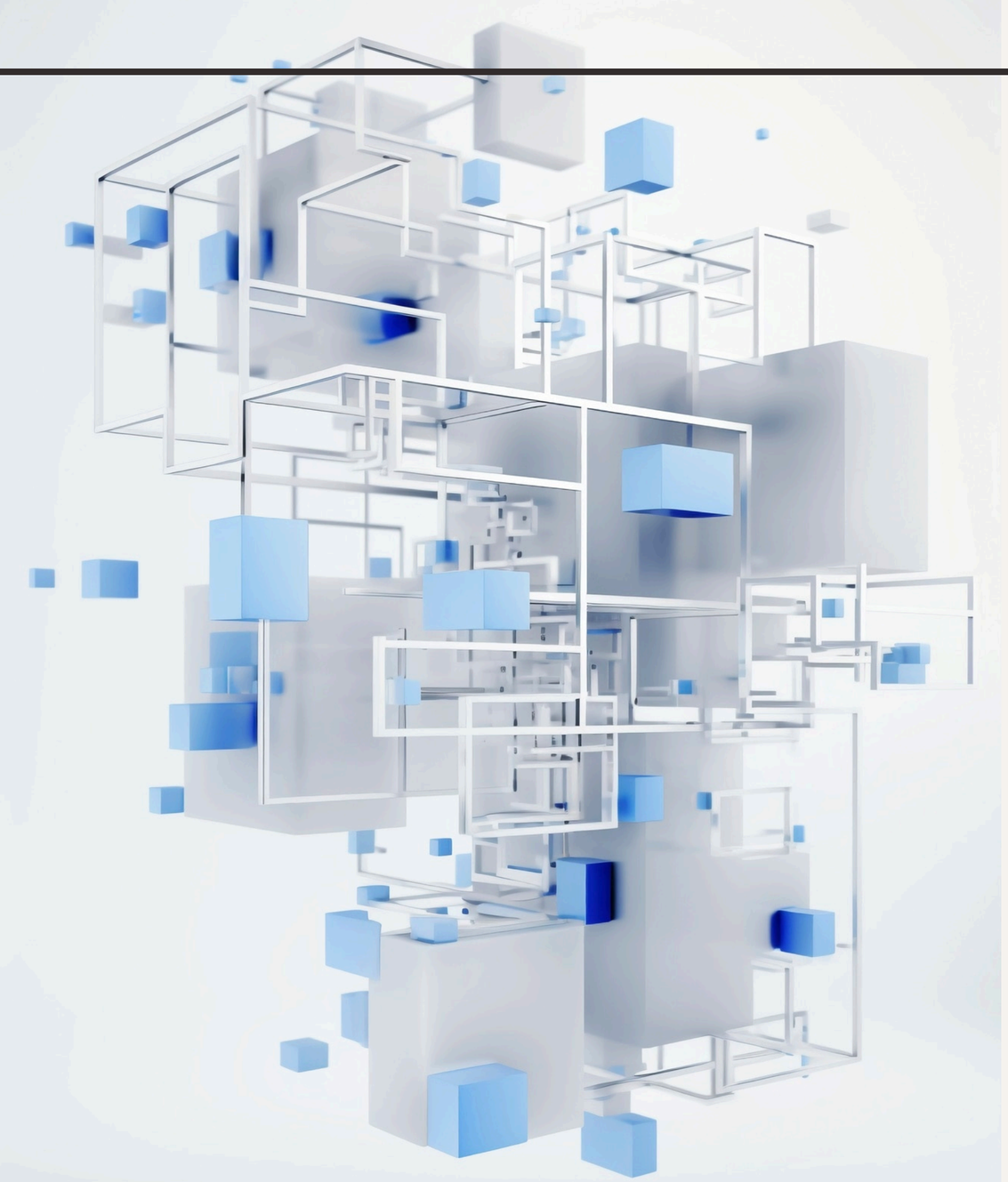

Introduction to Azure VM

Azure Virtual Machines (VMs) provide on-demand, scalable computing resources. In this guide, we will explore how to set up a **web server** on an Azure VM step-by-step. By the end of this presentation, you will have a solid understanding of the process and best practices.

Creating an Azure Account

To get started, you need to create an **Azure account**. Visit the Azure website and sign up for a free trial or choose a subscription plan. Ensure you have the necessary **permissions** to create resources in your Azure environment for the web server setup.

Once your account is ready, navigate to the **Azure portal** to provision a new VM. Select an appropriate **image** (like Windows Server or Linux), configure the size, and set up **networking** options. This step is crucial for ensuring your web server is accessible.

Installing Web Server Software

After provisioning, connect to your VM and install the **web server software** of your choice (e.g., Apache, Nginx, or IIS). Make sure to configure the necessary **firewall rules** to allow HTTP/HTTPS traffic so that users can access your web applications.

Security is vital when running a web server. Configure **network security groups** (NSGs) to control inbound and outbound traffic. Regularly update your server and use **SSL certificates** to ensure secure data transmission between users and your web server.

Conclusion and Best Practices

In conclusion, setting up a web server on an Azure VM is straightforward. Always follow best practices for **security**, **scalability**, and **maintenance**. Regularly monitor your server's performance and keep your software updated to ensure optimal operation.

Thanks!