

# Microsoft Azure Developer: Create Azure App Service Web Apps

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## CREATING AZURE APP SERVICE WEB APPS



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PLURALSIGHT AUTHOR

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# What Will Be Covered

Understanding App Service Plans

Isolation with App Service Environments

Creating a Web App in the Portal

Creating a Web App with Azure CLI

Creating a Web App with PowerShell

Creating a Web App with an ARM Template



# Exercise Files

The screenshot shows the course page for "Implementing Web and Mobile Services on Microsoft Azure" by Mike Pfeiffer. The page layout includes a top navigation bar with icons for Home, Browse, Search, Paths, Channels, Bookmarks, and Q&A. A left sidebar contains icons for Home, a document, a list, and a microphone. The main content area features the course title, author name, a description, and a video player. Below the video player is a tabbed interface with options: Table of contents, Description, Transcript, **Exercise files** (highlighted with a red box), Discussion, Learning Check, and Related Courses. Below the tabs, a paragraph explains the purpose of the exercise files, and a red arrow points to a blue button labeled "Download exercise files". To the right of the main content, there is a sidebar with the course author's profile (Mike Pfeiffer), a brief bio, and course information including Level (Intermediate), Rating (4.5 stars from 39 reviews), My rating (5 stars), Duration (3h 56m), and Updated date (12 Jun 2020). At the bottom of this sidebar is a "Share course" section with social media icons for Facebook, Twitter, and LinkedIn.

Home Browse Search... Paths Channels Bookmarks Q&A

## Implementing Web and Mobile Services on Microsoft Azure

by Mike Pfeiffer

Familiar with the Microsoft Azure cloud platform, but looking to explore more on deploying web and mobile backends? This course teaches you what you need to know in order to effectively design and implement web applications into the Azure cloud.

[Resume Course](#) [Bookmark](#) [Add to Channel](#) [Download Course](#)

Table of contents Description Transcript **Exercise files** Discussion Learning Check Related Courses

These exercise files are intended to provide you with the assets you need to create a video-based hands-on experience. With the exercise files, you can follow along with the author and re-create the same solution on your computer.

[Download exercise files](#)

Course author

Mike Pfeiffer

Mike Pfeiffer is a twenty year IT industry veteran, published author, and international conference speaker. He's a former architect for Amazon Web Services and engineer for Microsoft. Today...

Course info

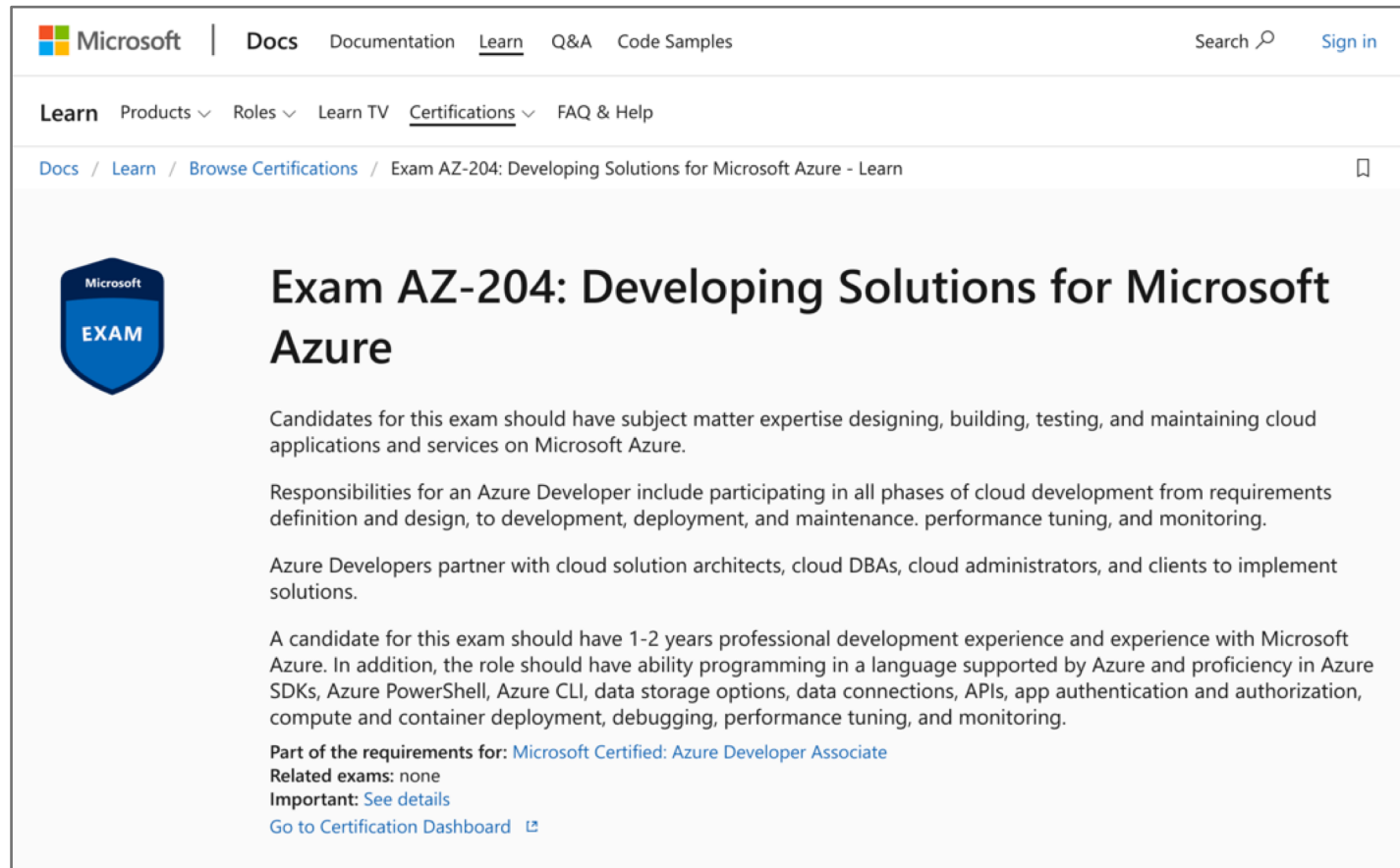
Level	Intermediate
Rating	★★★★☆ (39)
My rating	★★★★★
Duration	3h 56m
Updated	12 Jun 2020

Share course

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# Developing Solutions for Microsoft Azure (AZ-204)



The screenshot shows the Microsoft Learn website. At the top, there's a navigation bar with the Microsoft logo, 'Docs', 'Documentation', 'Learn' (highlighted), 'Q&A', and 'Code Samples'. On the right, there's a search icon and a 'Sign in' link. Below this, a secondary navigation bar includes 'Learn', 'Products', 'Roles', 'Learn TV', 'Certifications' (highlighted), and 'FAQ & Help'. A breadcrumb trail reads 'Docs / Learn / Browse Certifications / Exam AZ-204: Developing Solutions for Microsoft Azure - Learn'. The main content area features a blue shield icon with 'Microsoft EXAM' on the left. To its right, the title 'Exam AZ-204: Developing Solutions for Microsoft Azure' is displayed. Below the title, there are four paragraphs of text describing the exam's focus on cloud application design and development on Azure. At the bottom, it lists requirements for candidates, related exams (none), and a link to 'See details'. A 'Go to Certification Dashboard' link is also present.

**Exam AZ-204: Developing Solutions for Microsoft Azure**

Candidates for this exam should have subject matter expertise designing, building, testing, and maintaining cloud applications and services on Microsoft Azure.

Responsibilities for an Azure Developer include participating in all phases of cloud development from requirements definition and design, to development, deployment, and maintenance. performance tuning, and monitoring.

Azure Developers partner with cloud solution architects, cloud DBAs, cloud administrators, and clients to implement solutions.

A candidate for this exam should have 1-2 years professional development experience and experience with Microsoft Azure. In addition, the role should have ability programming in a language supported by Azure and proficiency in Azure SDKs, Azure PowerShell, Azure CLI, data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning, and monitoring.

**Part of the requirements for:** [Microsoft Certified: Azure Developer Associate](#)

**Related exams:** none

**Important:** [See details](#)

[Go to Certification Dashboard](#)

<https://bit.ly/3mH5QoH>



# Understanding Azure App Service

**Http-based  
service for hosting  
web apps**

**Apps run and  
scale on Windows  
and Linux**

**Security, load  
balancing, &  
automation**

**Costs use are  
determined by the  
App Service plan**



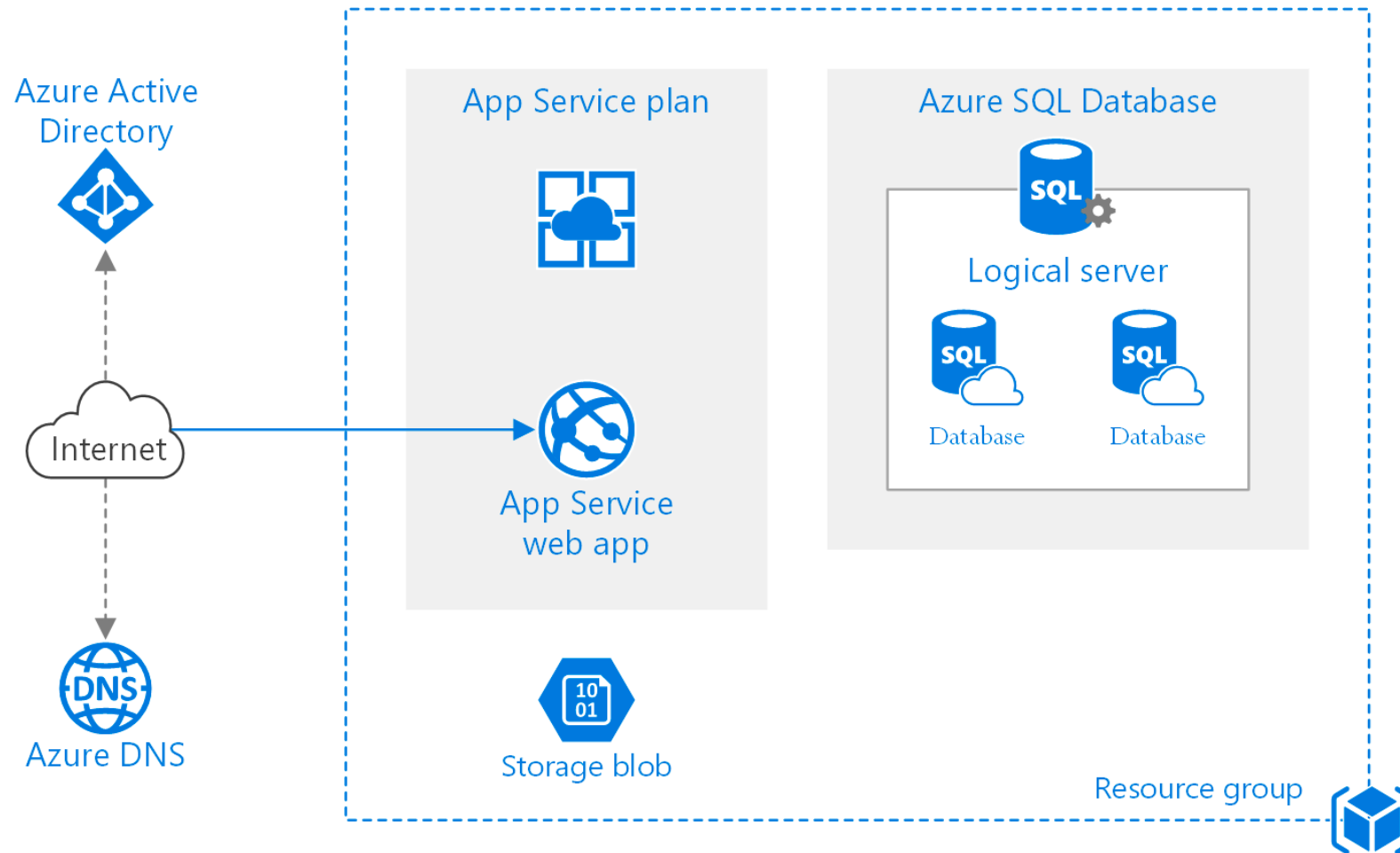
There are two types of App  
Service Plans



# Non-Isolated & Isolated



# Non-Isolated App Service



<https://bit.ly/35OpxnO>





# Azure App Service

## Non-isolated App Service Plans

- Free and Shared (F1, D1)
- Basic (B1, B2, B3)
- Standard (S1, S2, S3)
- Premium v2 (P1v2, P2v2, P3v2)
- Premium v3 (P1v3, P2v3, P3v3)



# Isolation with App Service Environments (ASE)

Fully isolated and  
dedicated  
environment for  
running web apps

High scale, high  
memory utilization

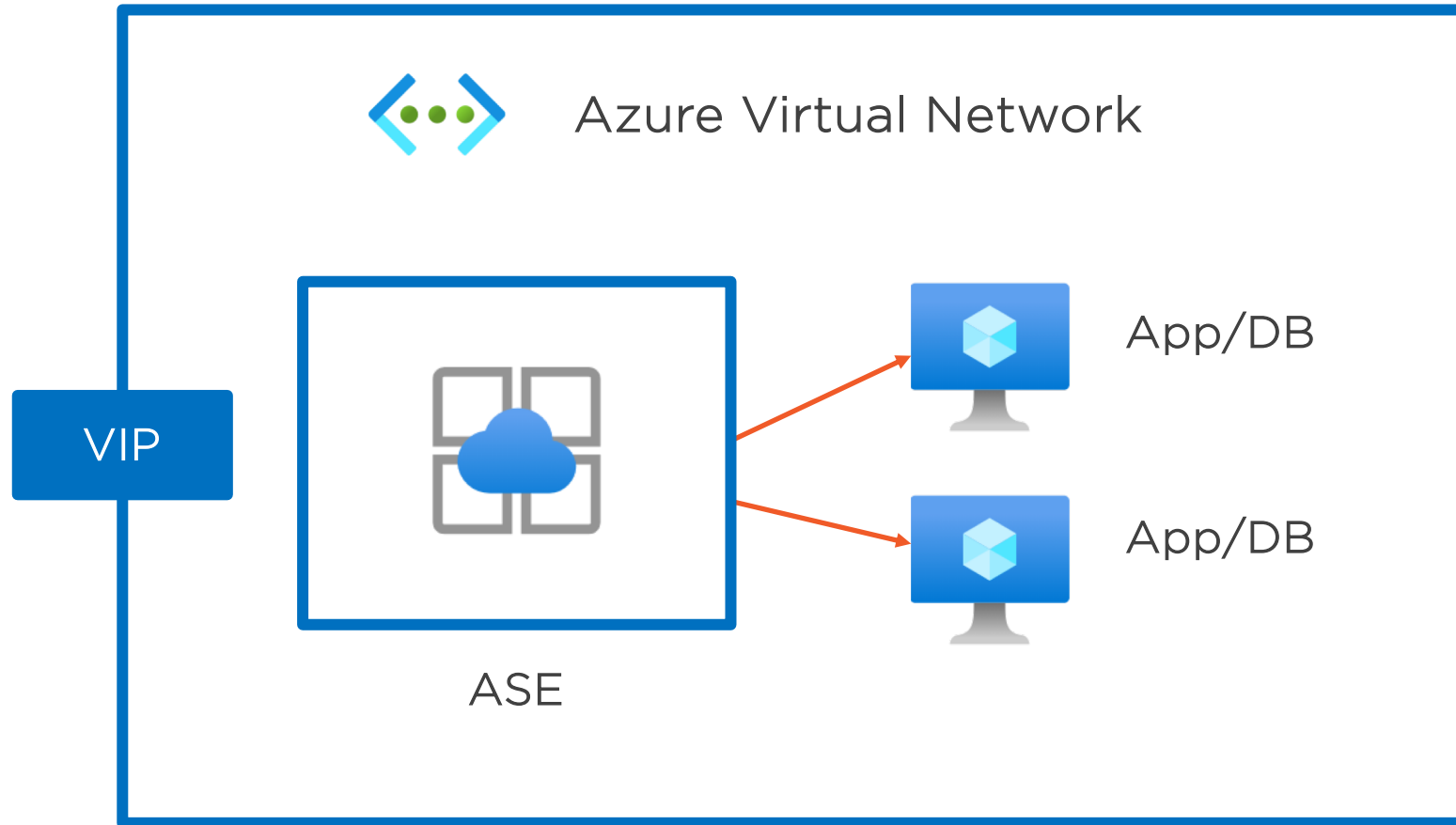
Isolation and secure  
network access

Fine-grained control  
over network traffic

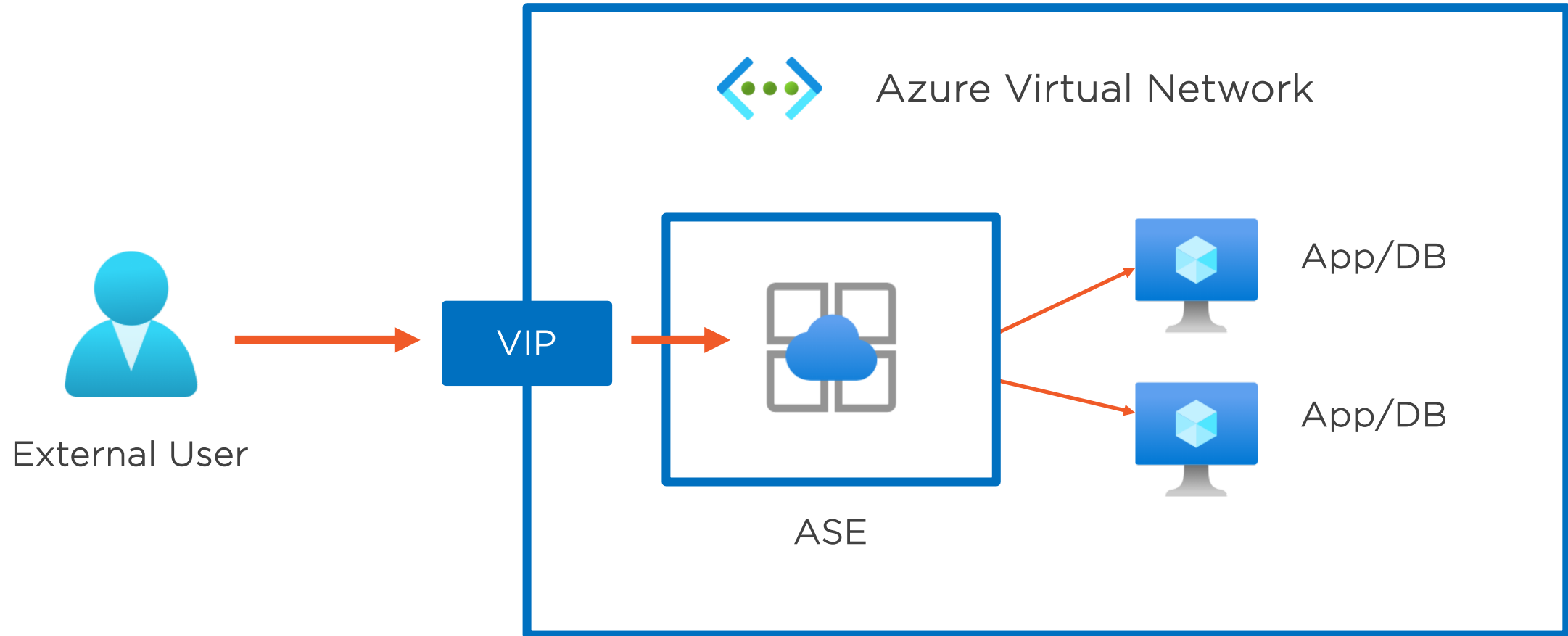
Apps can connect  
over VPN to on-  
premises resources



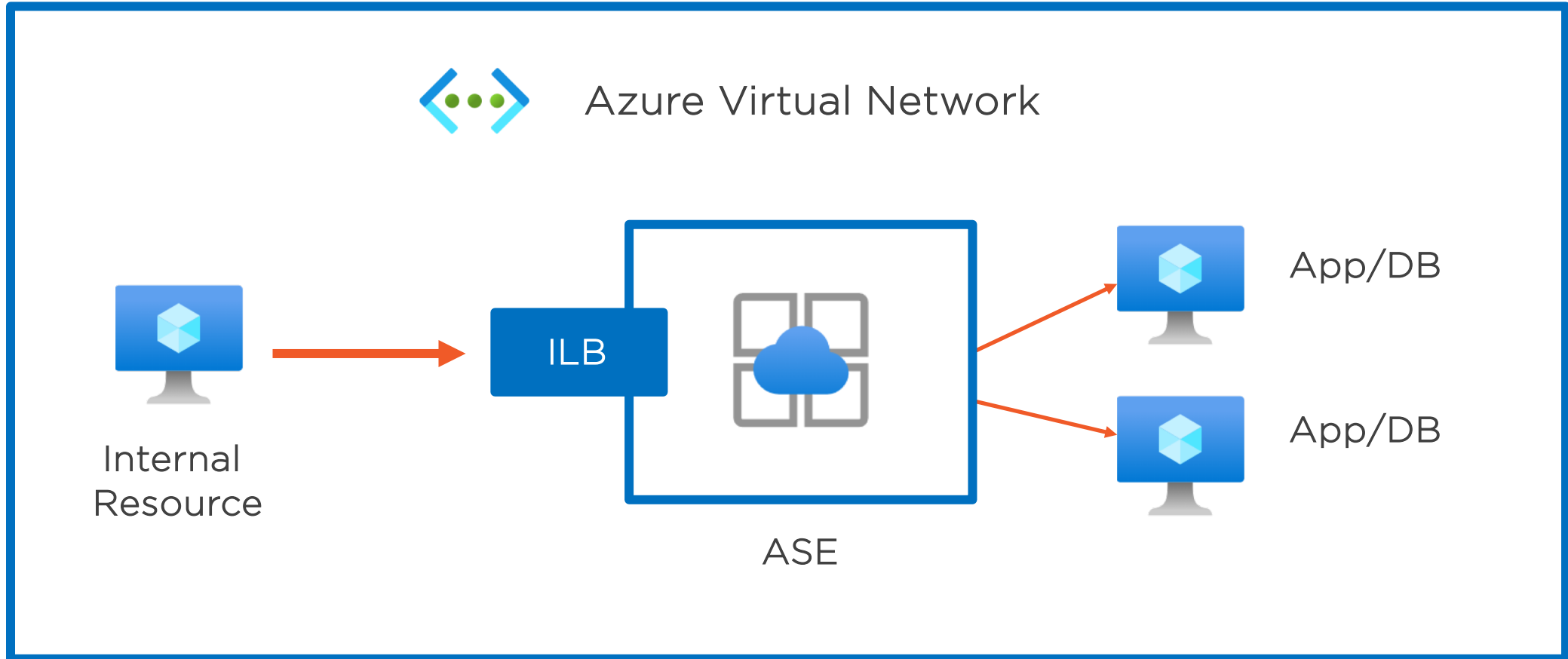
# External App Service Environment (ASE)



# External App Service Environment (ASE)



# Internal App Service Environment (ASE)



# Internal App Service Environment (ASE)

