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Application modernization

in Azure

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In this session

I. Where to start

II. Typical migration plans

III. Hosting choices

IV. Key considerations



I. Where to start



App Migration Service

The screenshot shows a web browser window with two tabs. The active tab is titled "Migrate to Azure App Service" and shows the URL "https://appmigration.microsoft.com". The browser's address bar and navigation icons are visible. The website itself has a dark blue header with the Microsoft logo and navigation links: "App Service Migration", "Home", "Assess", "Download", "Readiness Checks", and "Partners". The main content area has a light blue background with the heading "Migrate to Azure App Service". Below this, a paragraph states: "Assess any app with an endpoint scan. Download the Migration Assistant and start your .NET and PHP app migration to Azure App Service." There are two blue buttons: "Assess" with the text "Provide a public URL to assess to start your migration process." and "Download" with the text "For internal .NET and PHP apps, download the Migration Assistant." Below these, a text input field contains "https://" and a placeholder "Assess your site by entering a public URL". To the right of the input field is an "Assess" button. At the bottom, a dark blue footer contains links: "Explore >", "Find Migration Partners", and "Azure Migrate".

Migrate to Azure App Service

Assess any app with an endpoint scan. Download the Migration Assistant and start your .NET and PHP app migration to Azure App Service.

Assess
Provide a public URL to assess to start your migration process.

Download
For internal .NET and PHP apps, download the Migration Assistant.

Start your assessment by entering a public facing endpoint to scan.

https:// Assess your site by entering a public URL **Assess**

[Explore >](#) [Find Migration Partners](#) [Azure Migrate](#)

<https://appmigration.microsoft.com/>

Database Migration Service

Migrate to Azure App Service

Azure Database Migration Service

← → ↺ 🏠 🔒 https://docs.microsoft.com/en-us/azure/dms/ ☆ I 🔗 ⚙️ 👤 ⋮

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Database Migration Service documentation

Overview

Quickstarts

Create service

Concepts

Tutorials

Migrate SQL Server

Migrate RDS SQL Server

Migrate MySQL

Migrate RDS MySQL

Migrate PostgreSQL

Migrate Azure DB for PostgreSQL - Single Server

Migrate RDS PostgreSQL

Migrate MongoDB

Migrate Oracle

Azure Database Migration Service documentation

Azure Database Migration Service enables seamless migrations from multiple database sources to Azure Data platforms with minimal downtime. The service uses the Data Migration Assistant to generate assessment reports that provide recommendations to guide you through the changes required before performing a migration. When you're ready to begin the migration process, Azure Database Migration Service performs all the required steps.

About Azure Database Migration Service

OVERVIEW

What is Azure Database Migration Service?

GET STARTED

Database migration scenario status

Overview of prerequisites

Migrate SQL Server to Azure SQL Database

TUTORIAL

Migrate to SQL DB single database - online

Migrate to SQL DB single database - offline

Migrate to SQL DB managed instance - online

Migrate to SQL DB managed instance - offline

Migrate RDS SQL Server to SQL DB single database / managed instance

Migrate open-source databases to Azure

TUTORIAL

Migrate to Azure DB for PostgreSQL online via the portal

Migrate to Azure DB for PostgreSQL online via the CLI

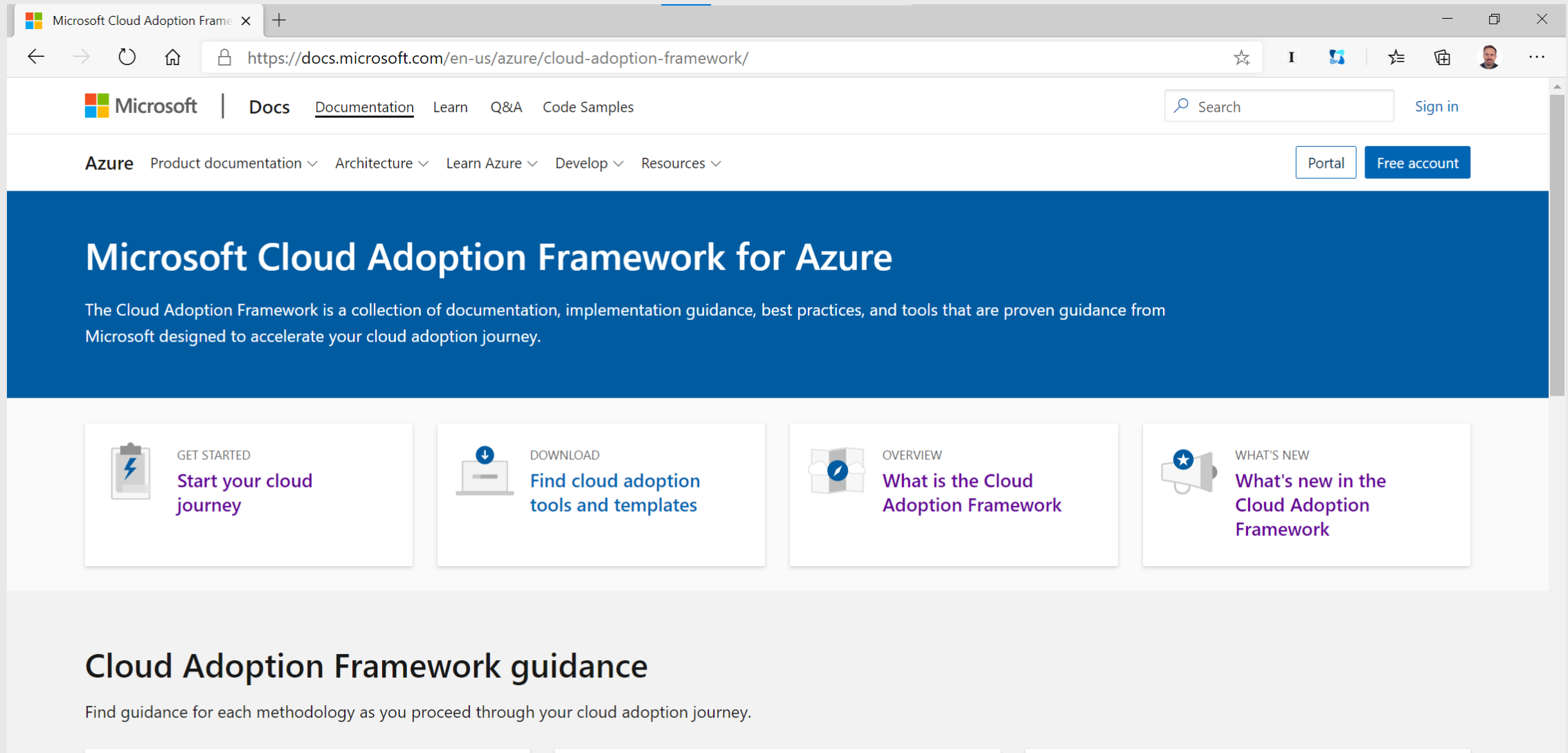
Migrate RDS PostgreSQL to Azure DB for PostgreSQL

Migrate between Azure DB for PostgreSQL instances online via the portal

Migrate to Azure DB for MySQL

https://docs.microsoft.com/en-us/azure/dms/

Cloud Adoption Framework



The screenshot shows a web browser window with the URL <https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/>. The page features a blue header with the Microsoft logo and navigation links: Docs, Documentation, Learn, Q&A, and Code Samples. A search bar and a 'Sign in' link are also present. Below the header, there are links for 'Azure', 'Product documentation', 'Architecture', 'Learn Azure', 'Develop', and 'Resources'. A 'Portal' button and a 'Free account' button are located on the right. The main content area has a blue background with the title 'Microsoft Cloud Adoption Framework for Azure' and a description: 'The Cloud Adoption Framework is a collection of documentation, implementation guidance, best practices, and tools that are proven guidance from Microsoft designed to accelerate your cloud adoption journey.' Below this, there are four white boxes with icons and text: 'GET STARTED Start your cloud journey', 'DOWNLOAD Find cloud adoption tools and templates', 'OVERVIEW What is the Cloud Adoption Framework', and 'WHAT'S NEW What's new in the Cloud Adoption Framework'. At the bottom, there is a section titled 'Cloud Adoption Framework guidance' with the text 'Find guidance for each methodology as you proceed through your cloud adoption journey.'

Microsoft Cloud Adoption Framework

Docs Documentation Learn Q&A Code Samples


Search Sign in

Azure Product documentation Architecture Learn Azure Develop Resources


Portal Free account

Microsoft Cloud Adoption Framework for Azure


The Cloud Adoption Framework is a collection of documentation, implementation guidance, best practices, and tools that are proven guidance from Microsoft designed to accelerate your cloud adoption journey.




GET STARTED
Start your cloud journey



DOWNLOAD
Find cloud adoption tools and templates



OVERVIEW
What is the Cloud Adoption Framework



WHAT'S NEW
What's new in the Cloud Adoption Framework

Cloud Adoption Framework guidance

Find guidance for each methodology as you proceed through your cloud adoption journey.

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/>

Well-Architected Framework

The screenshot shows a web browser window displaying the Microsoft Azure Well-Architected Framework documentation. The browser's address bar shows the URL <https://docs.microsoft.com/en-us/azure/architecture/framework/>. The page features a Microsoft logo and navigation links for Docs, Documentation, Learn, Q&A, and Code Samples. A search bar and a 'Sign in' button are also present. The main content area is titled 'Microsoft Azure Well-Architected Framework' and includes a sub-header '11/20/2019 • 9 minutes to read'. The text describes the framework as a set of guiding tenets for improving workload quality, consisting of five pillars: Cost Optimization, Operational Excellence, Performance Efficiency, Reliability, and Security. A table provides a detailed description for each pillar. On the left, a sidebar offers a 'Filter by title' search and a list of navigation links, with 'Overview' currently selected. On the right, there is a 'Is this page helpful?' feedback section and a list of links to other articles in the series, such as 'Cost Optimization', 'Operational Excellence', 'Performance efficiency', 'Reliability', and 'Security'.

Microsoft Azure Well-Architected Framework

11/20/2019 • 9 minutes to read • 7

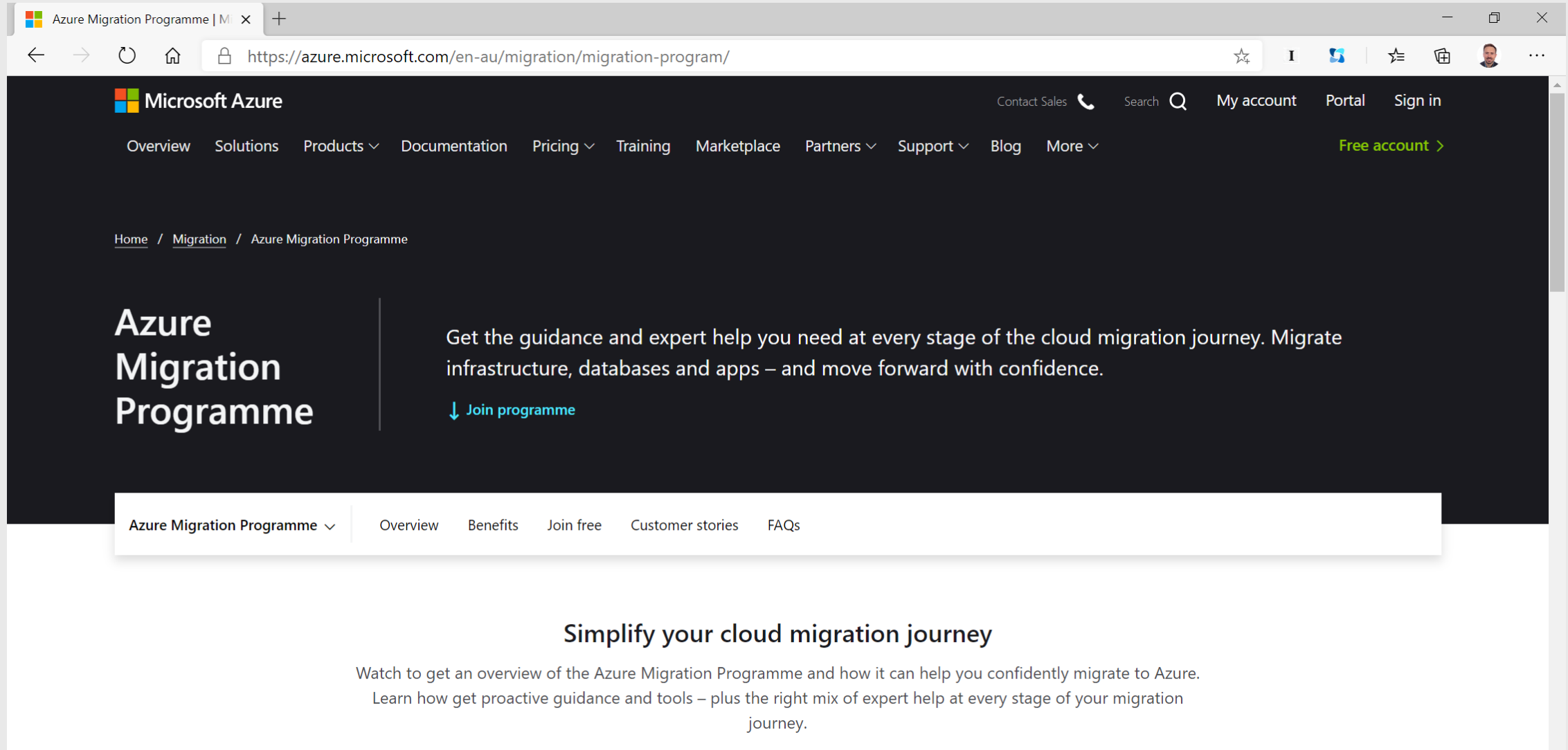
The Azure Well-Architected Framework is a set of guiding tenets that can be used to improve the quality of a workload. The framework consists of five pillars of architecture excellence: Cost Optimization, Operational Excellence, Performance Efficiency, Reliability, and Security.

To assess your workload using the tenets found in the Microsoft Azure Well-Architected Framework, see the [Microsoft Azure Well-Architected Review](#).

Pillar	Description
Cost Optimization	Managing costs to maximize the value delivered.
Operational Excellence	Operations processes that keep a system running in production.
Performance Efficiency	The ability of a system to adapt to changes in load.
Reliability	The ability of a system to recover from failures and continue to function.
Security	Protecting applications and data from threats.

<https://docs.microsoft.com/en-us/azure/architecture/framework/>

Azure Migration Programme



The screenshot shows a web browser window with the URL <https://azure.microsoft.com/en-au/migration/migration-program/>. The page features a dark header with the Microsoft Azure logo and navigation links. The main content area has a dark background with the text 'Azure Migration Programme' and a description of the program. A 'Join programme' button is visible. Below this, a white navigation bar contains links for 'Overview', 'Benefits', 'Join free', 'Customer stories', and 'FAQs'. The bottom section of the page has a white background with the heading 'Simplify your cloud migration journey' and a paragraph about the program's benefits.

Azure Migration Programme | Mi x +

← → ↺ 🏠 🔒 <https://azure.microsoft.com/en-au/migration/migration-program/> ☆ I 🔗 ⚙️ 👤 ⋮

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[Home](#) / [Migration](#) / Azure Migration Programme

Azure Migration Programme

Get the guidance and expert help you need at every stage of the cloud migration journey. Migrate infrastructure, databases and apps – and move forward with confidence.

↓ [Join programme](#)

Azure Migration Programme ▾ Overview Benefits Join free Customer stories FAQs

Simplify your cloud migration journey

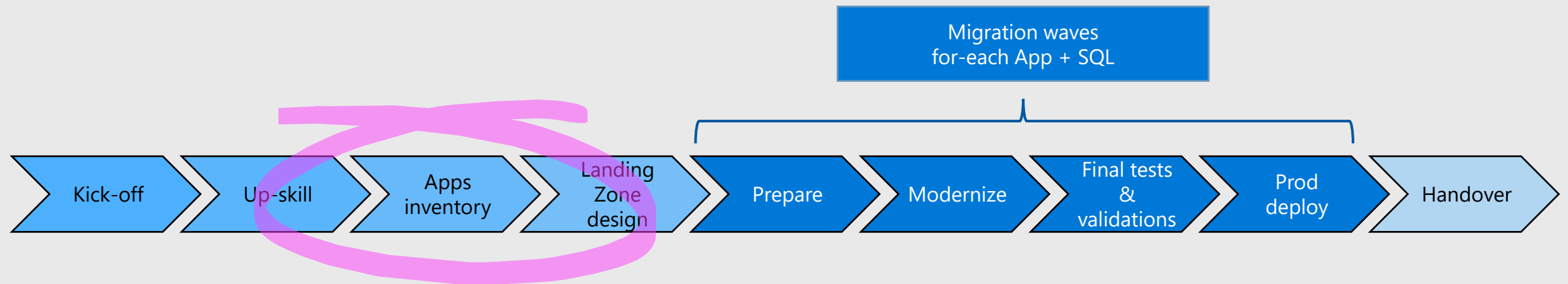
Watch to get an overview of the Azure Migration Programme and how it can help you confidently migrate to Azure. Learn how get proactive guidance and tools – plus the right mix of expert help at every stage of your migration journey.

<https://azure.microsoft.com/en-au/migration/migration-program/>

II. Typical migration plans



Migration phases



Prioritise the estate

Follow 80 / 20 rule

Look for quick and easy wins for the *First Wave*, e.g.

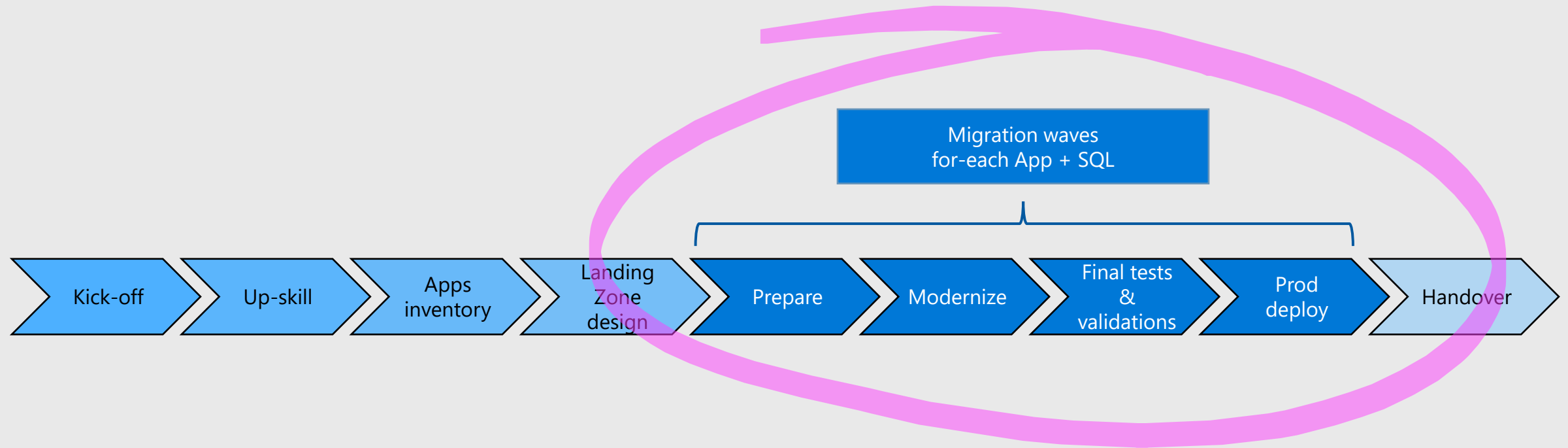
Public facing sites (Extranets, public Websites)

Single DB, no cross-DB joins, no MSDTC, no CLR functions, Text index

No MSI installers or tricky dependencies

Start with a few apps + DB's in the first wave and then ramp up

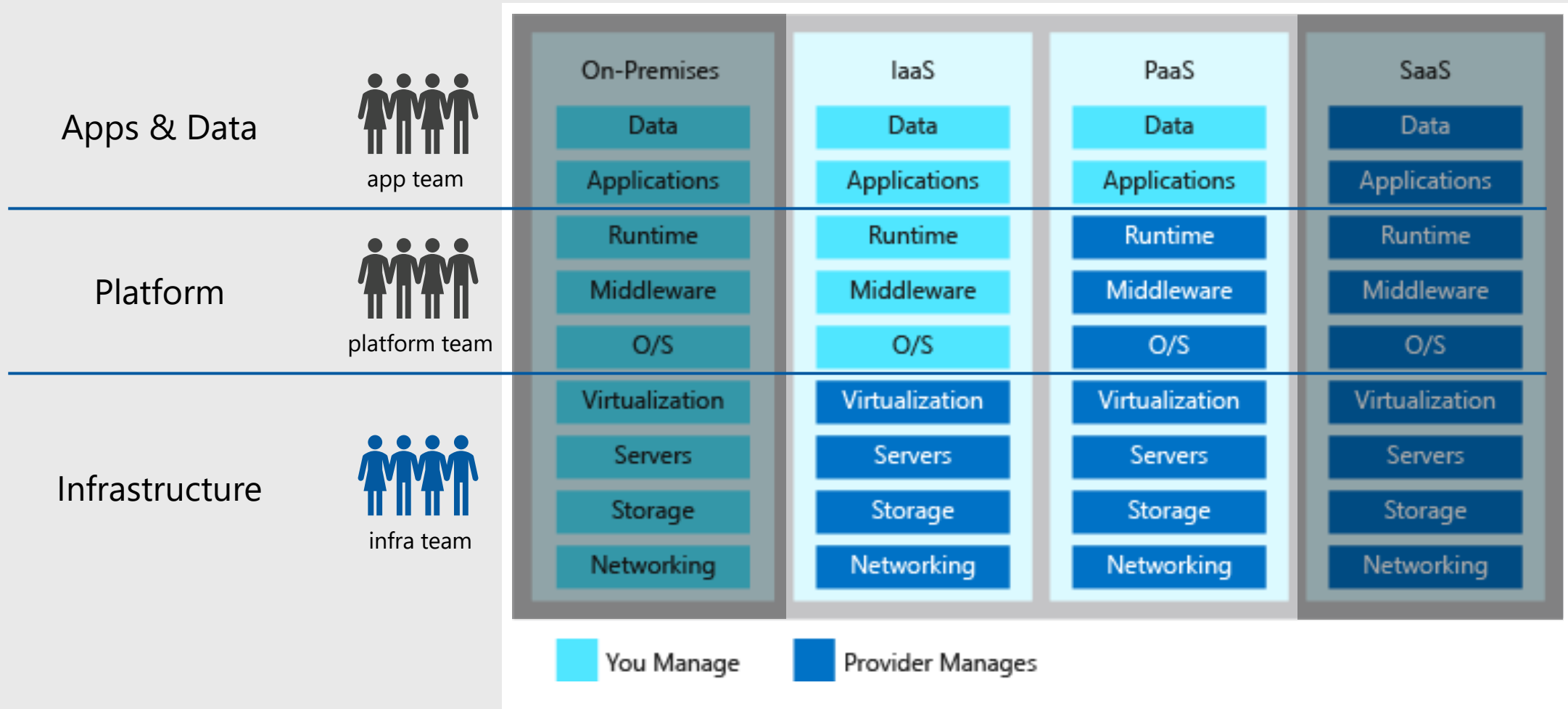
Migration phases



III. Hosting choices



Cloud responsibility model



Hosting choice factors



IV. Key considerations

Management

Cost optimization

Performance



Demo

Rehosting eShop with az CLI

Demo

Improving performance with Azure Front Door

Demo

Securing an Intranet with Easy Auth

Demo

Optimizing costs with shared App Service Plans and Azure SQL

Summary

I. Where to start

II. Typical migration plans

III. Hosting choices

IV. Key considerations



Questions?



<http://bit.ly/dlnztalks>

Thank
You!



Microsoft

<http://bit.ly/dlnztalks>