

The background of the slide is a detailed historical painting depicting a grand military triumph. In the center, a long, winding column of soldiers in Roman-style armor marches through a vast, tiered arena. The soldiers carry various shields and banners. In the foreground, a large, diverse crowd of people, including men, women, and children, watches the procession with excitement, many with their arms raised. To the right, a large, ornate tent with a striped canopy and red curtains stands on the edge of the arena. In the background, a large stone archway and other classical buildings are visible under a cloudy sky.

Components & services reuse with JAMstack, Azure & Microsoft Graph



JAMstack is cool for me
because of REUSABILITY!

Reuse Javascript

Reuse API

Reuse Markup



Why is Reusability
important?

Developer Experience

Developer Velocity

Quality Economy

APIs and Cloud Services

Reusable APIs, accessed over HTTPS
with JavaScript

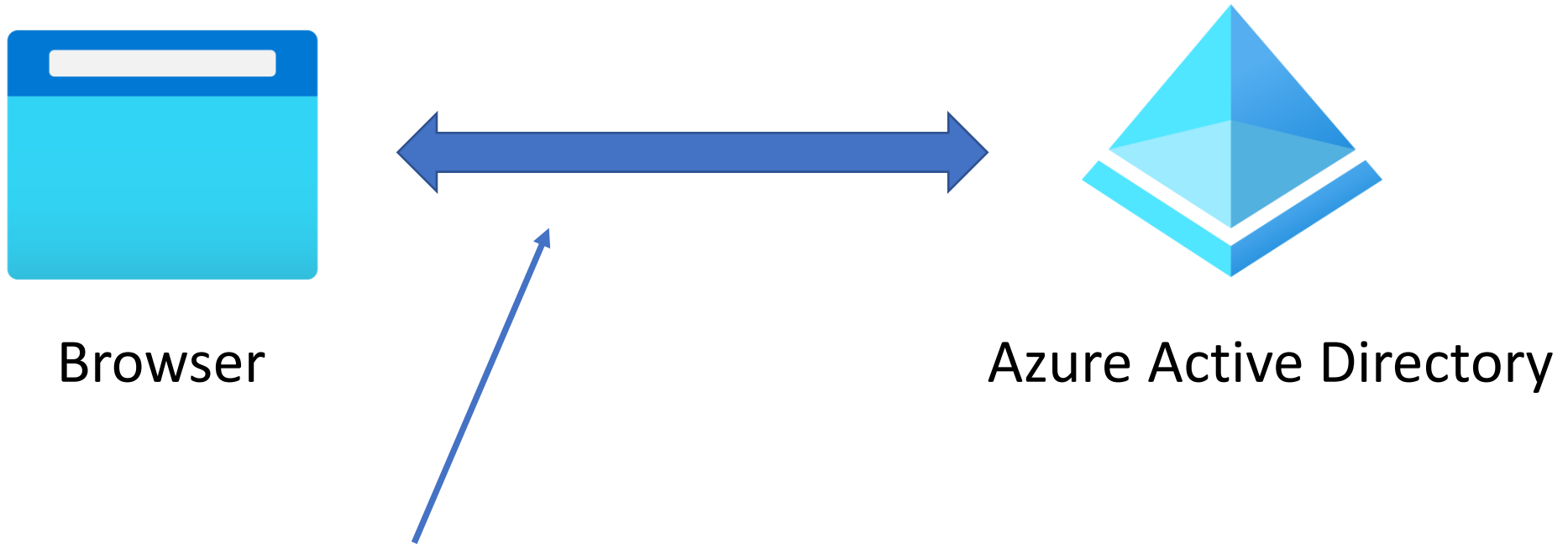


Cloud
services



In-house
APIs

Authentication with Azure Active Directory

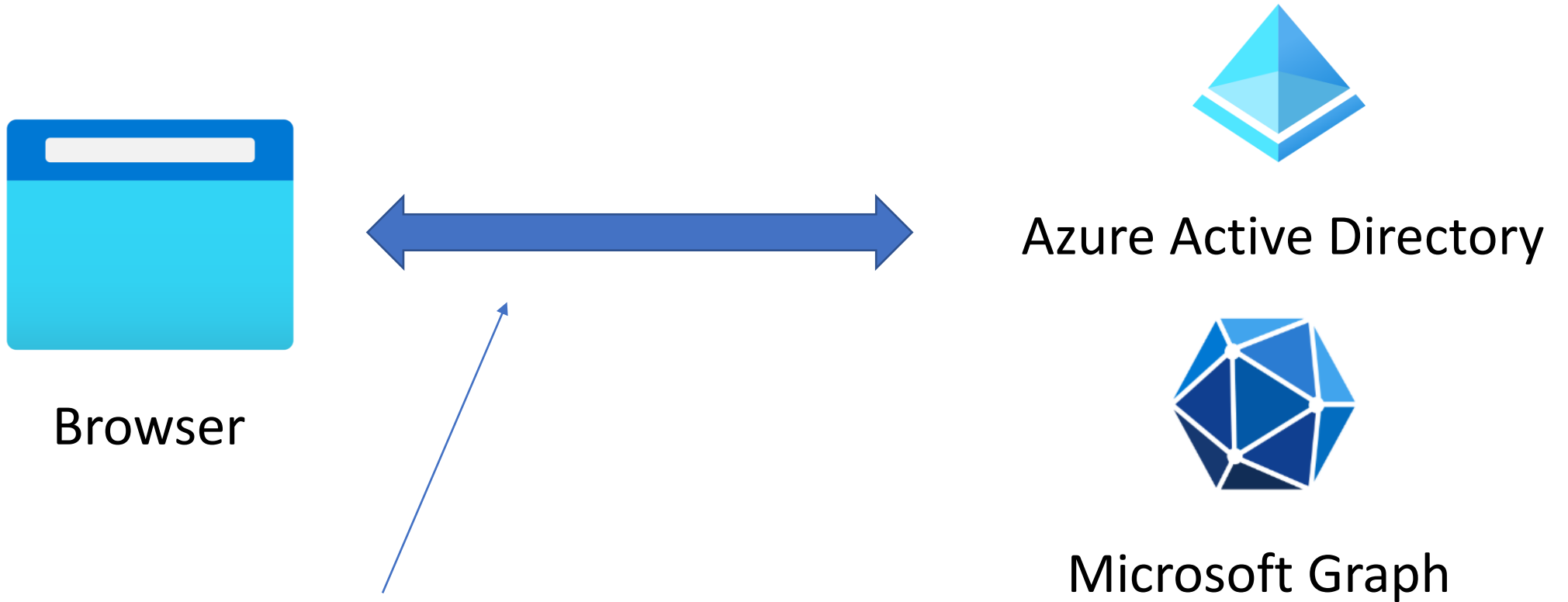


Browser

Azure Active Directory

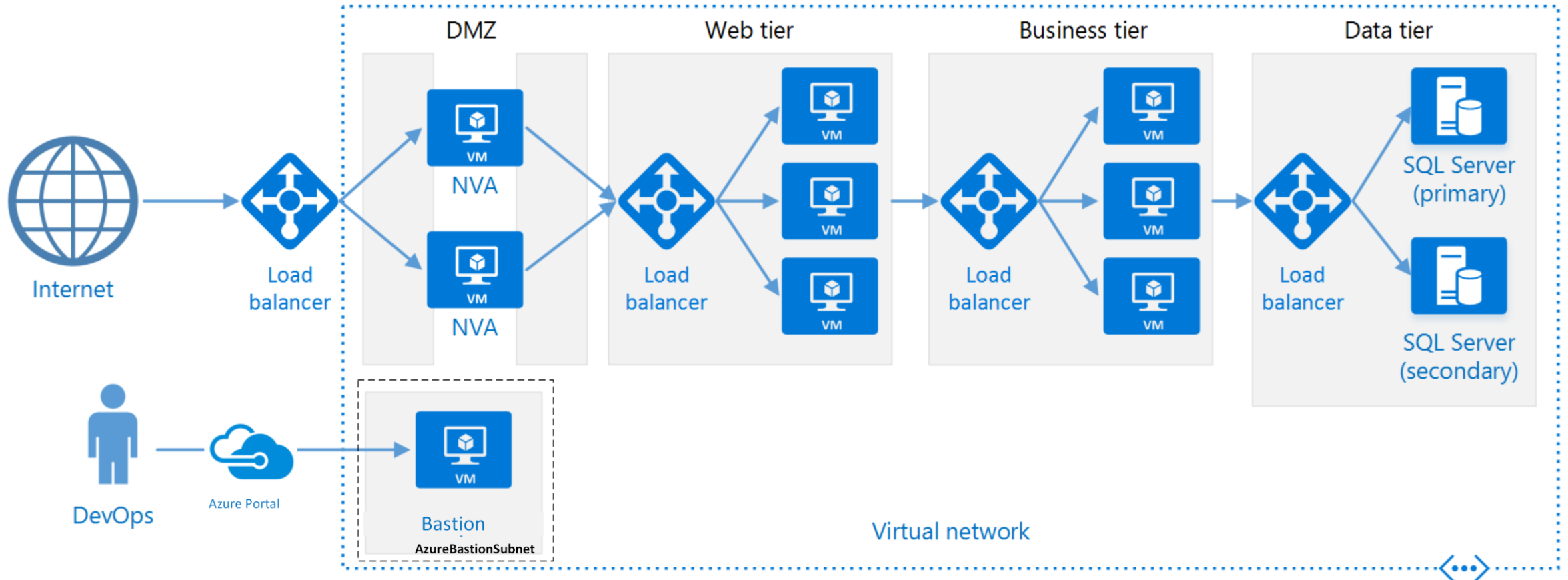
No application servers!

Authentication with Azure Active Directory

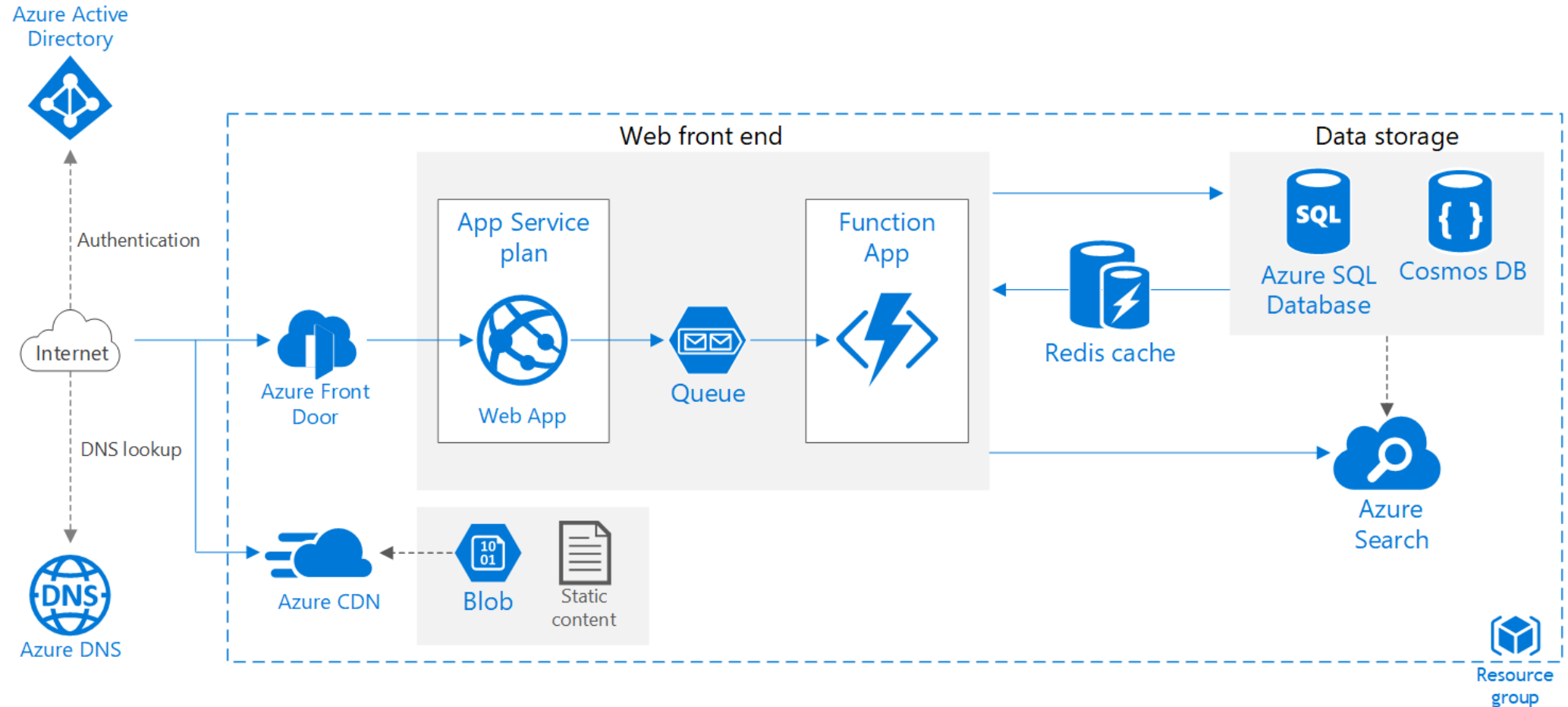


No application servers!

Traditional architecture



Scalable web application architecture



On Premises

Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking

Managed by in-house teams

Infrastructure
as a Service

Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking

Platform
as a Service

Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking

Managed Service (Cloud)

Software
as a Service

Applications
Data
Runtime
Middleware
O/S
Virtualization
Servers
Storage
Networking

L	Linux	Operating System
A	Apache	Web Server
M	MySQL	Database
P	PHP	Application

J	JavaScript	Application
A	API	Application
M	Markup	Application



Infrastructure & control

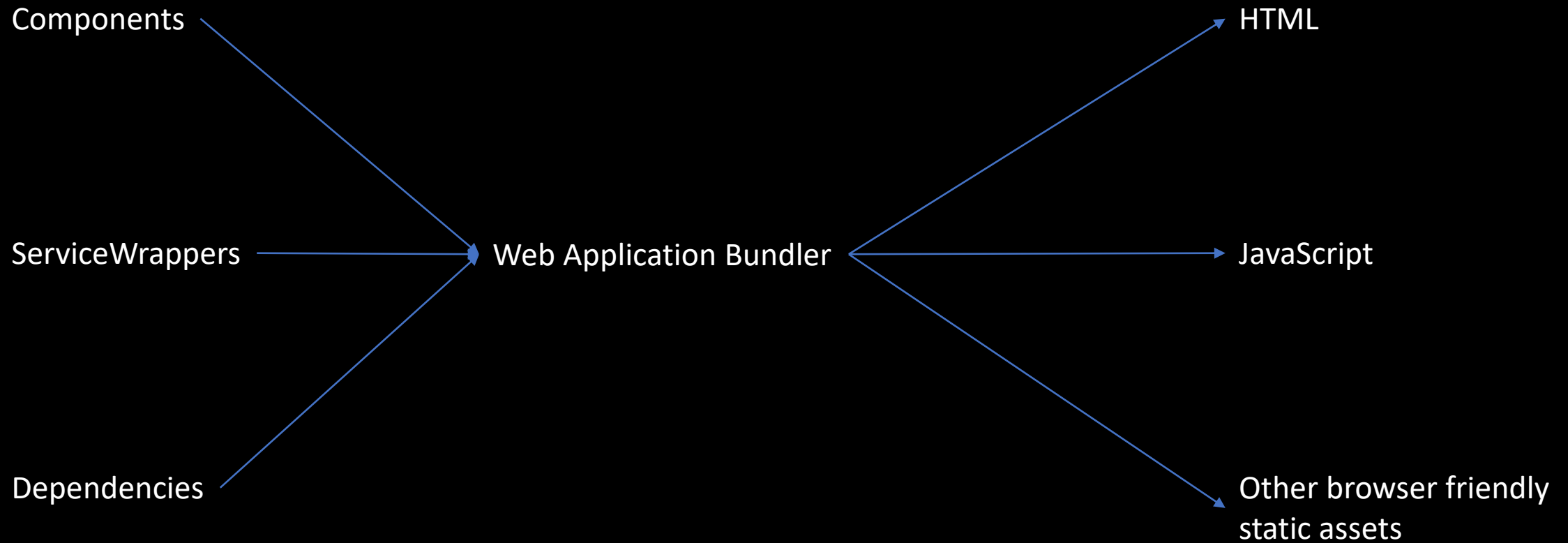
Abstraction & reuse



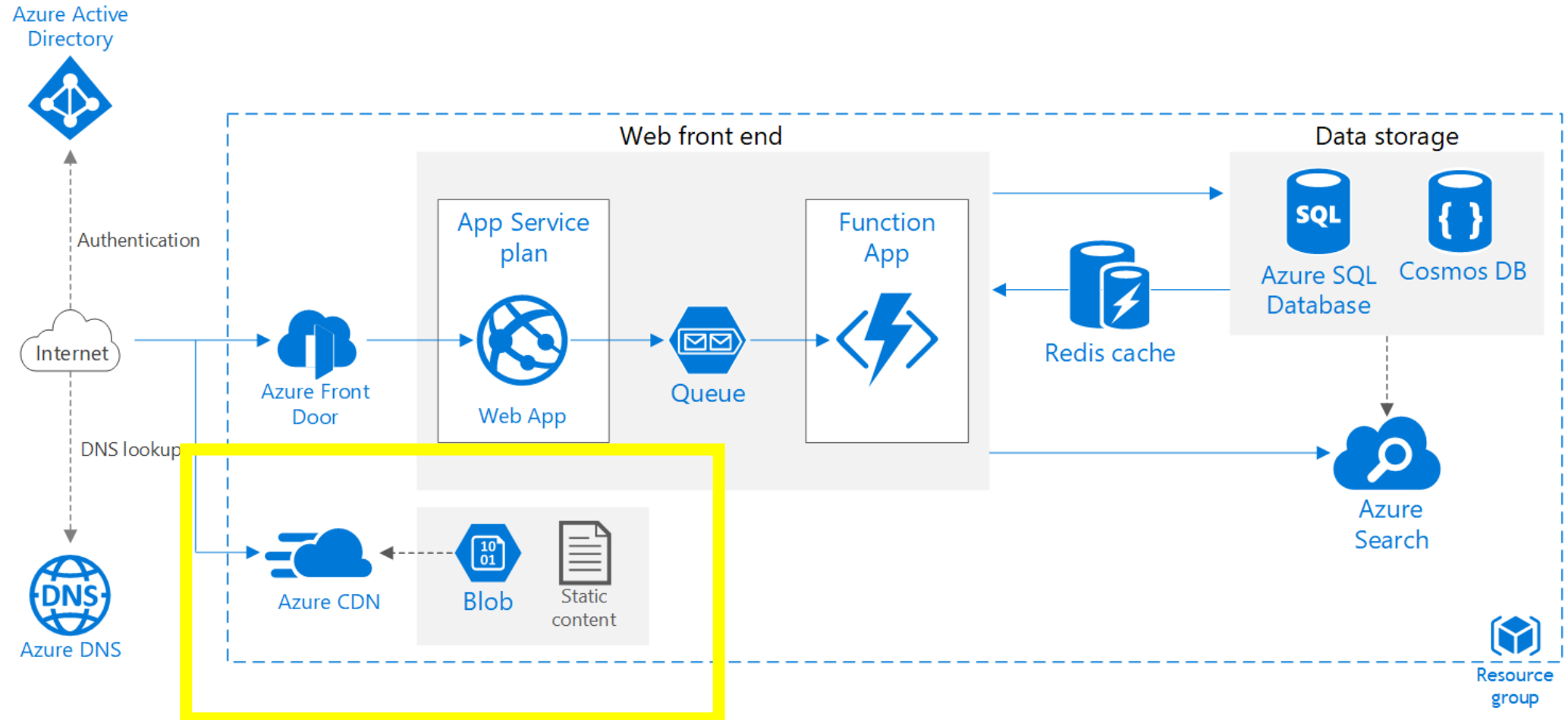
Operations

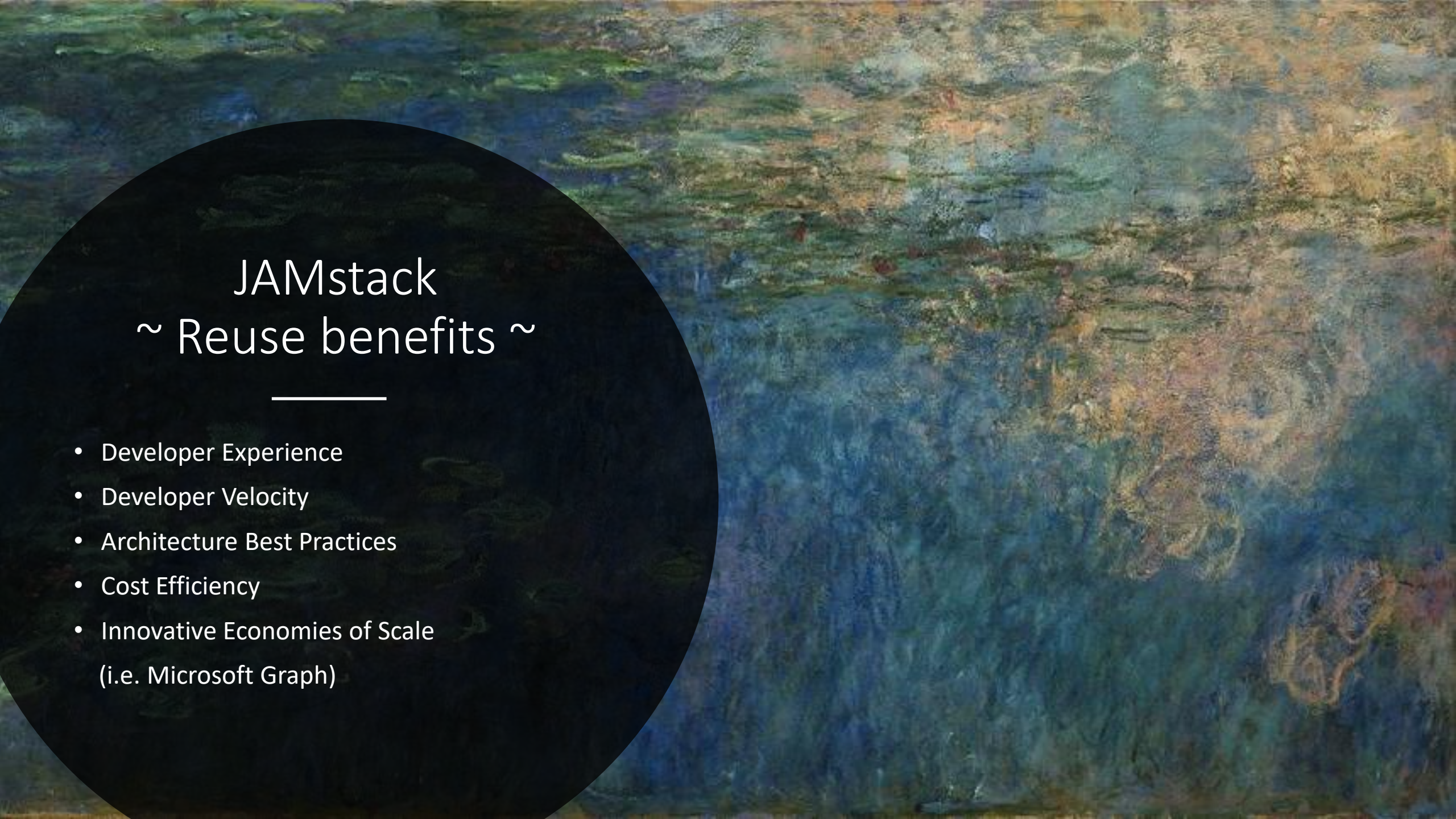
Applications

Single Page Applications (SPAs)



Scalable web application architecture



The background is an abstract, textured surface with a mix of dark blues, greens, and browns, resembling a close-up of a natural material or a painting. A large, solid black circle is positioned on the left side of the image, containing white text.

JAMstack ~ Reuse benefits ~

- Developer Experience
- Developer Velocity
- Architecture Best Practices
- Cost Efficiency
- Innovative Economies of Scale
(i.e. Microsoft Graph)