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Migrate Your Legacy **ASP.NET** Projects to **ASP.NET Core**

Incrementally with YARP

Jonathan “J.” Tower

The Problem

ASP.NET

ASP.NET Core

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Hello. I’m J.

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jtowermi

FREE

Consultation

bit.ly/th-offer

https://github.com/jonathantower/distributed-monolith

Agenda

- Three migration approaches
- What is a Reverse Proxy
- How YARP Works
- .NET Upgrade Assistant Demo
- YARP migration Demo
- System.Web Adapters Demo

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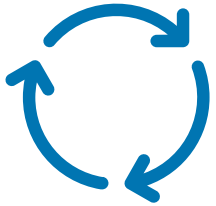
Migration Approaches

Big Bang



Evolution

Strangler Fig

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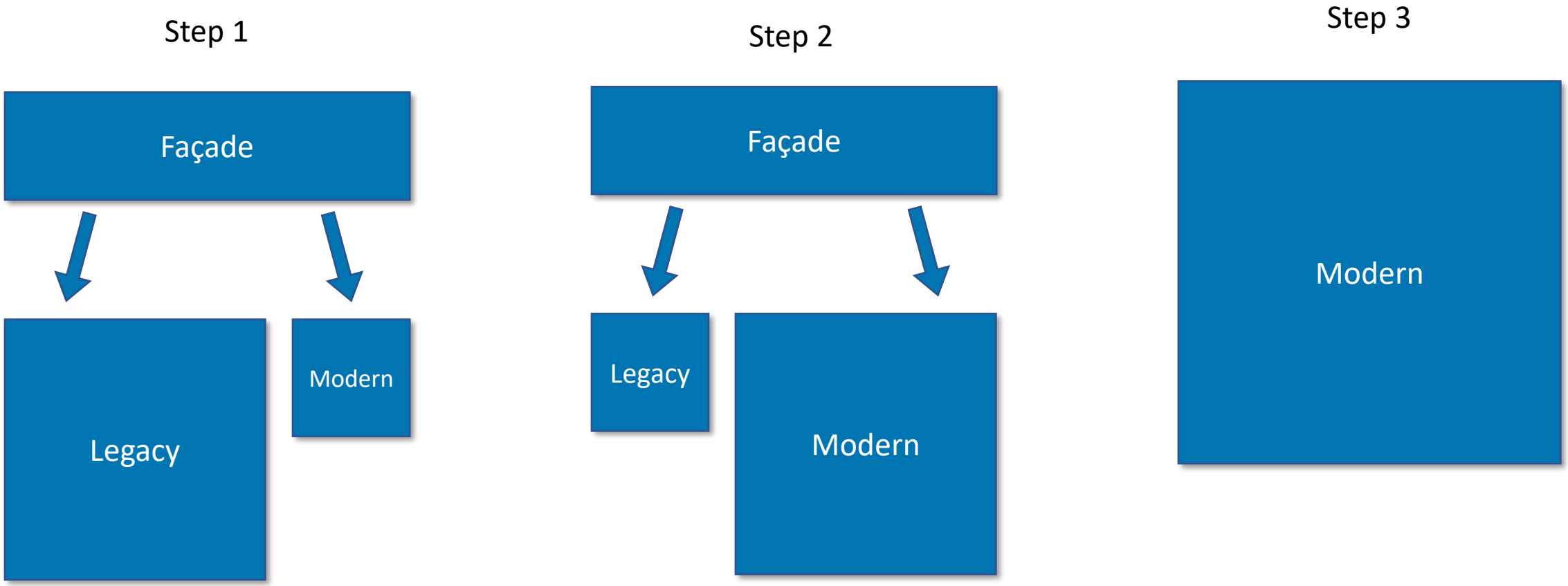
Big Bang Approach

Evolutionary Approach

Strangler Fig Approach

Strangler Fig

Strangler Fig Pattern



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What is A Reverse Proxy?

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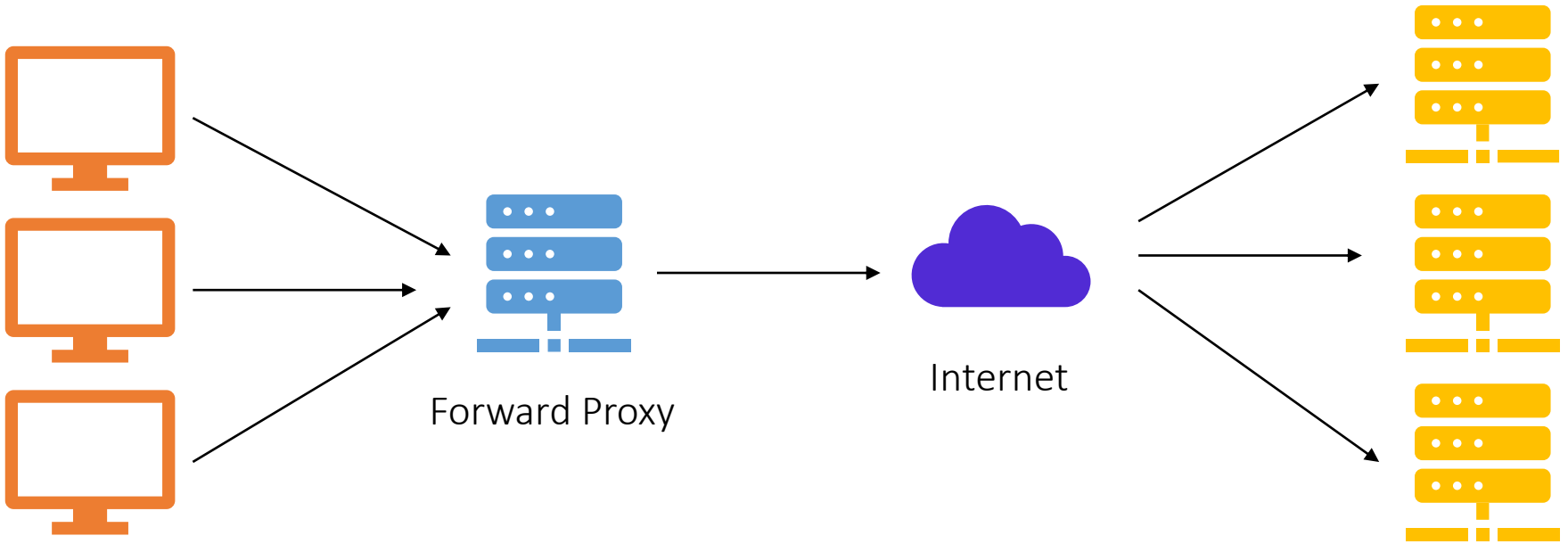
What is a Regular (Forward) Proxy?



Proxy traffic **outgoing** to Internet

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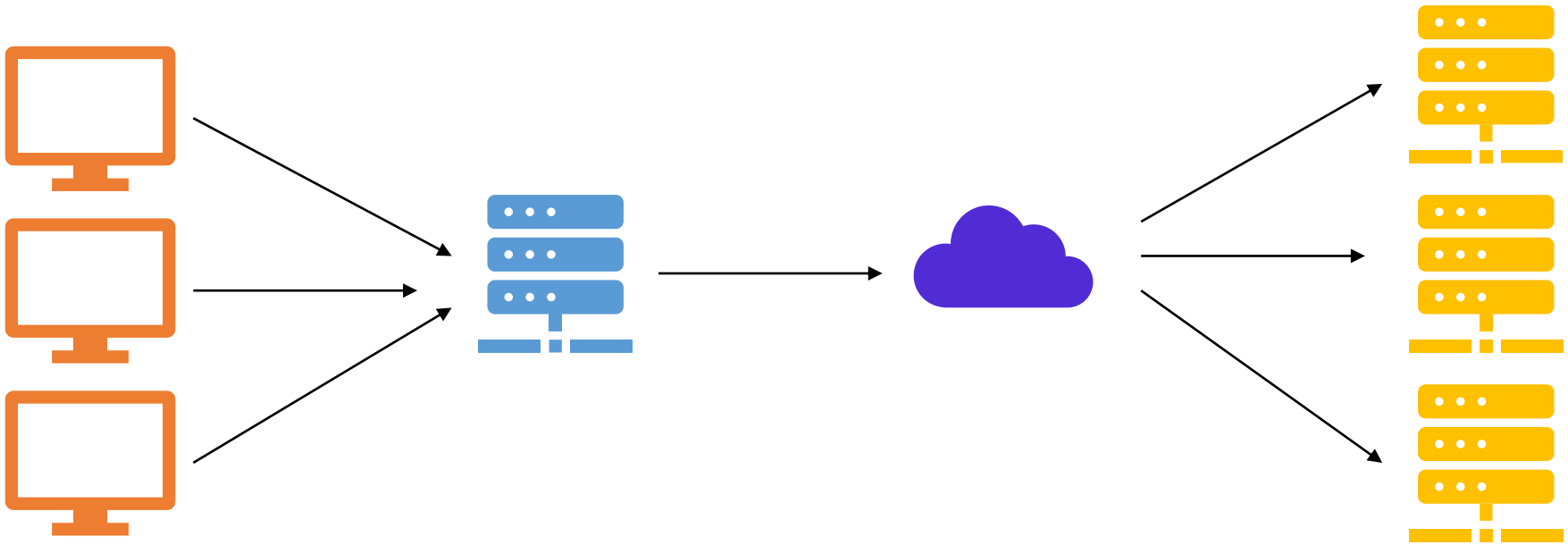
What is a REVERSE Proxy?



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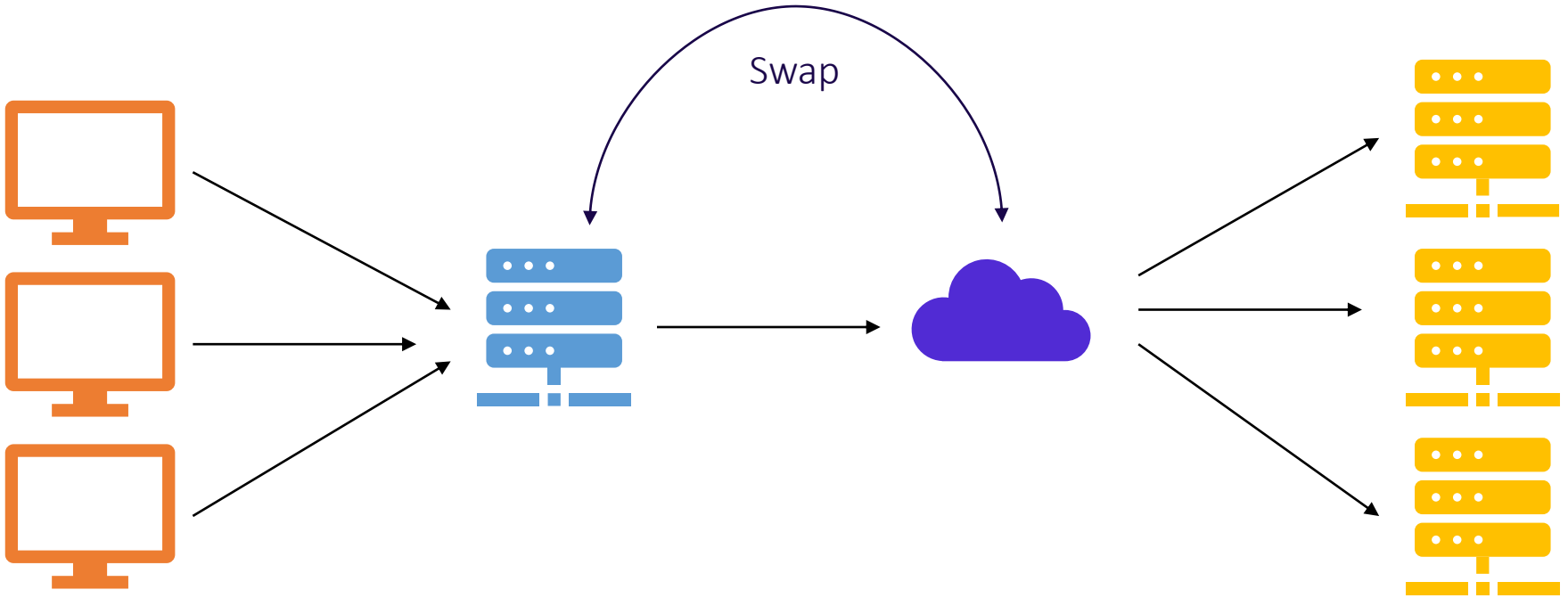

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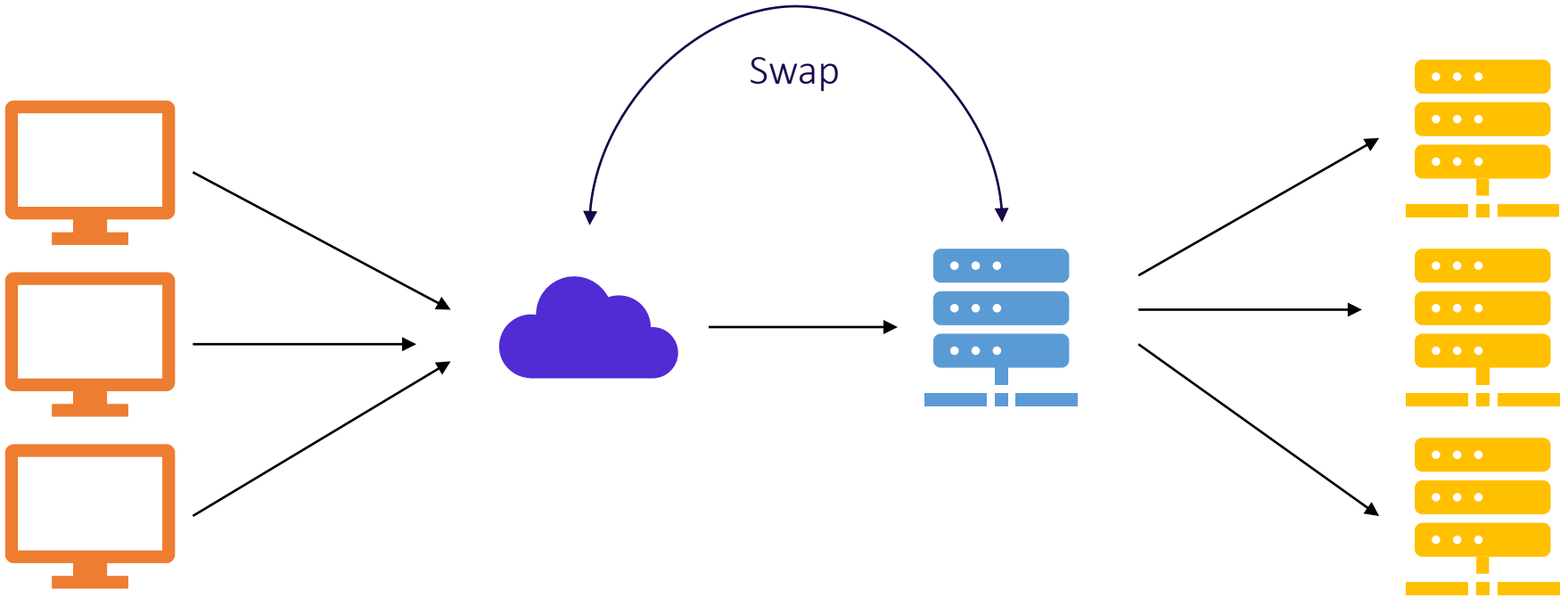

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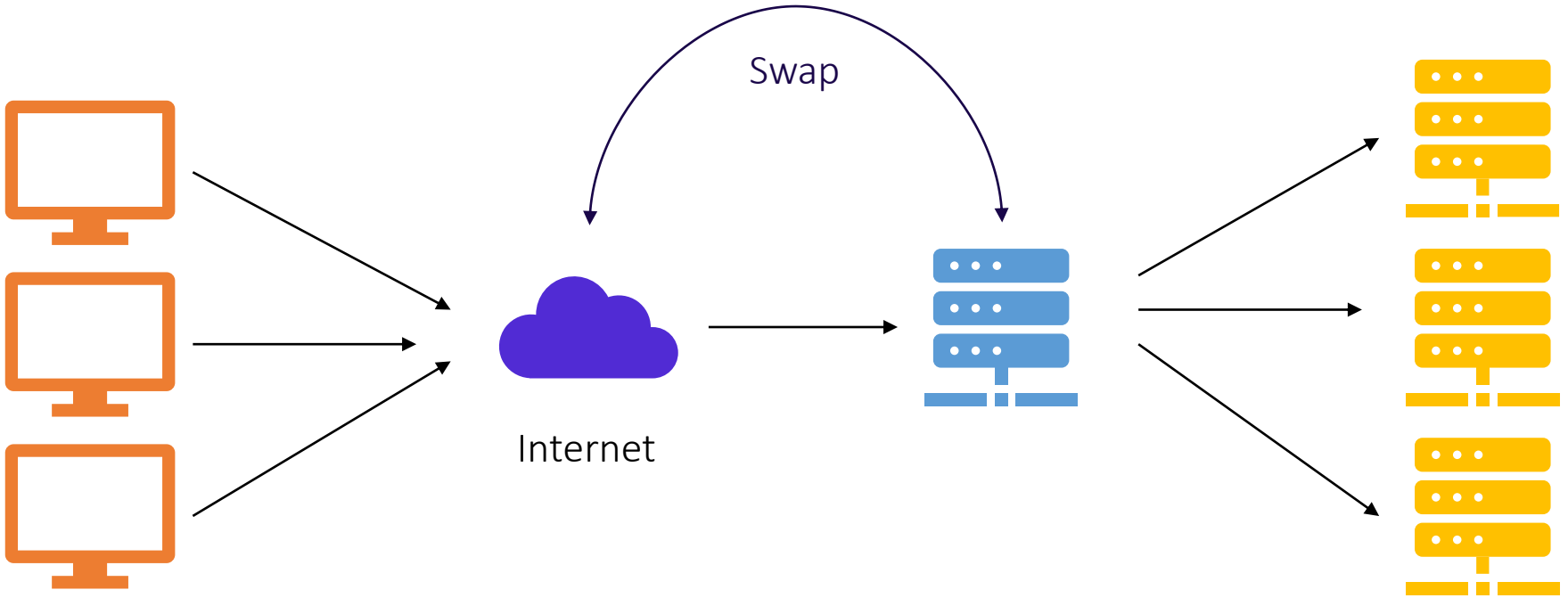

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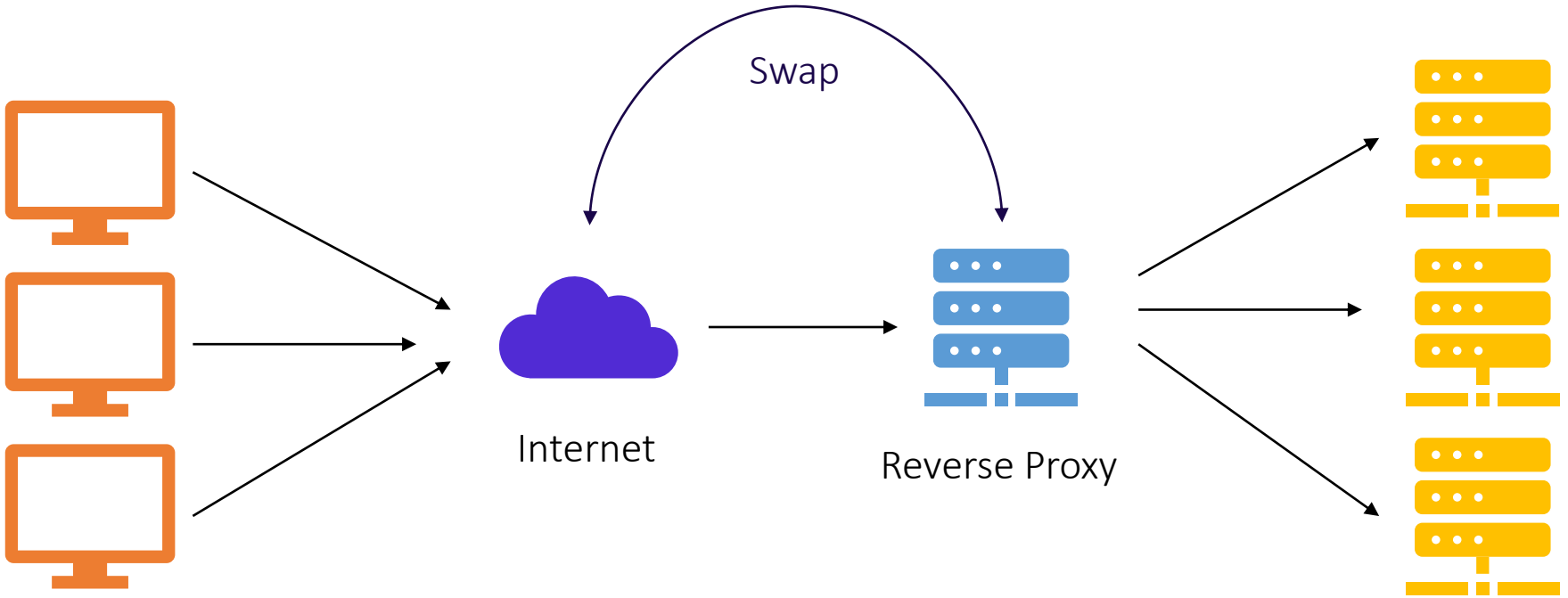

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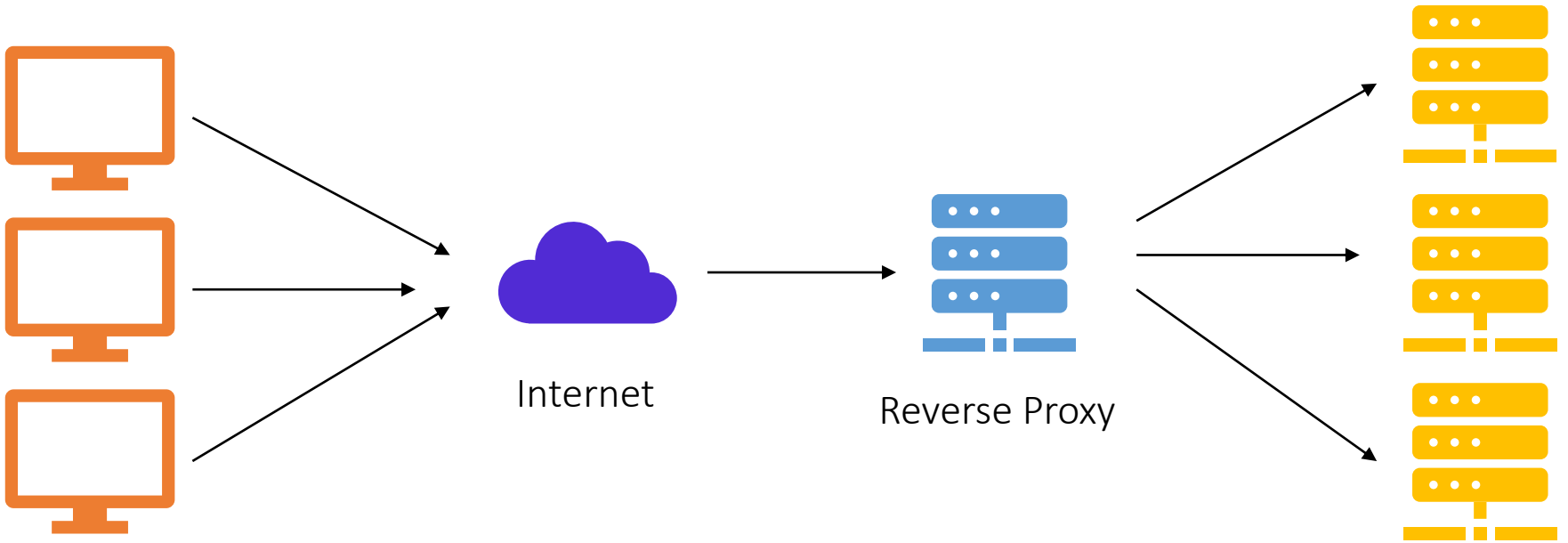

Proxy traffic **incoming** from Internet

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How YARP Works

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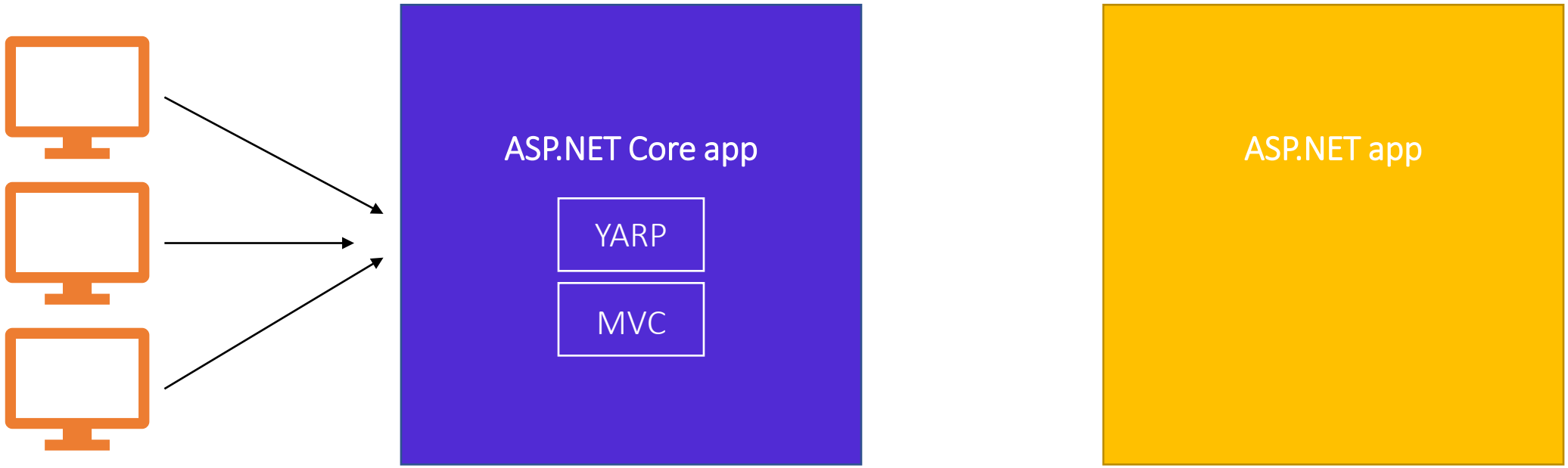
How YARP Works



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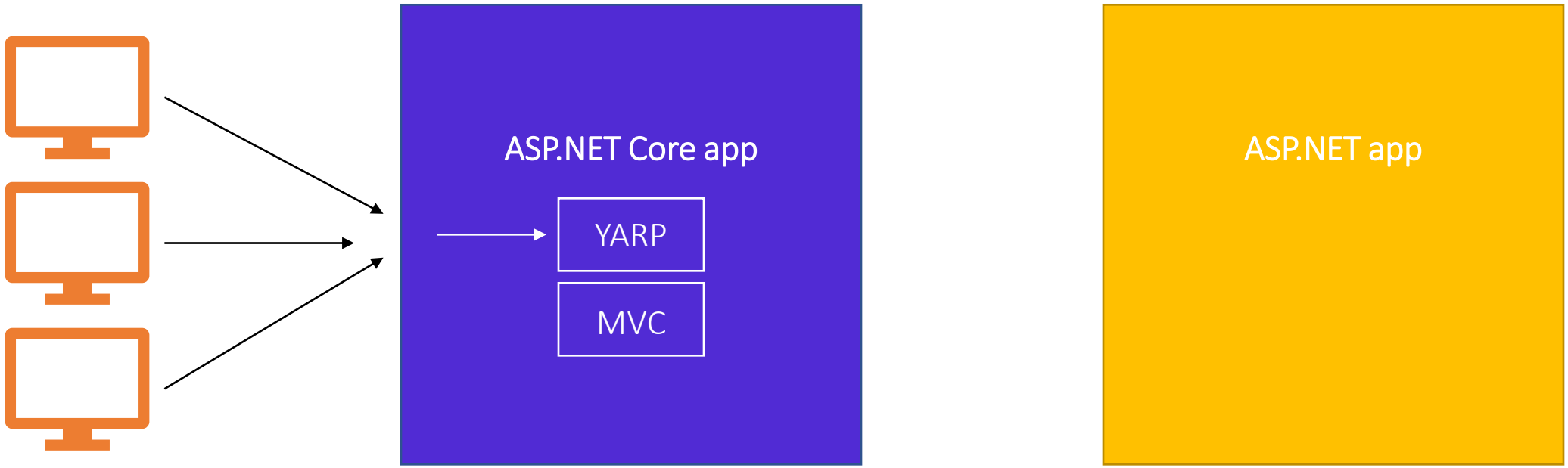

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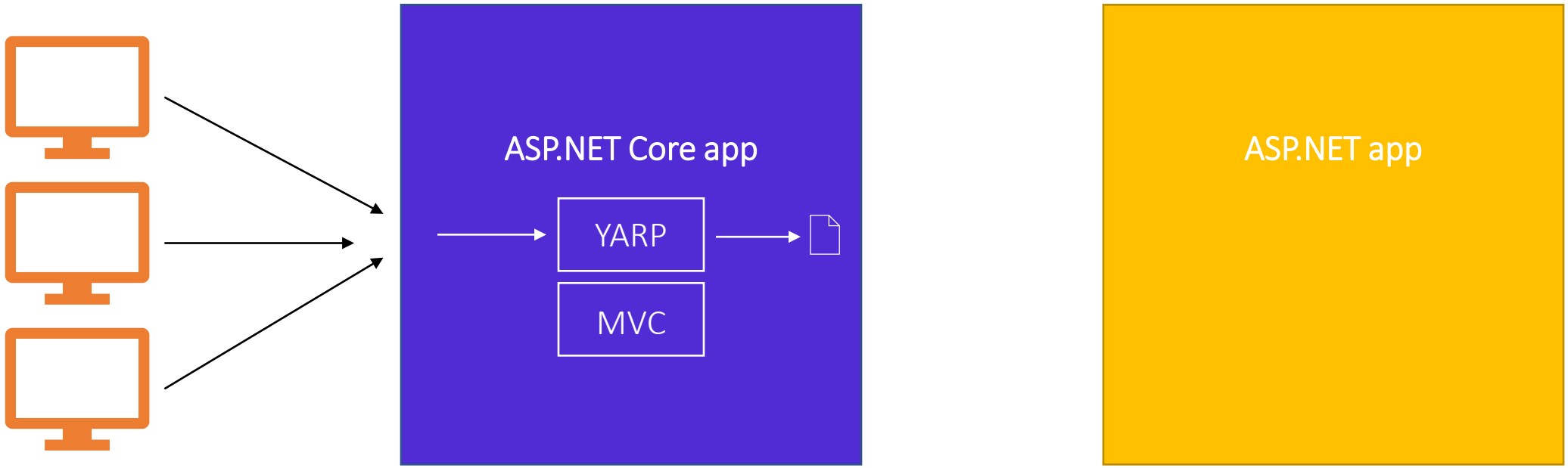

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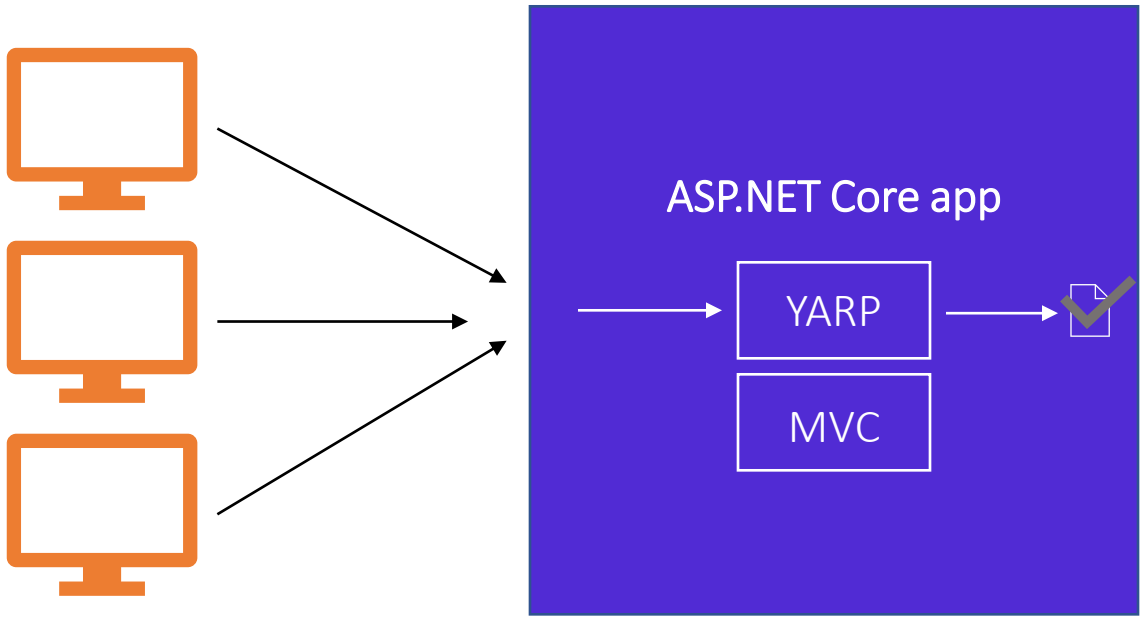

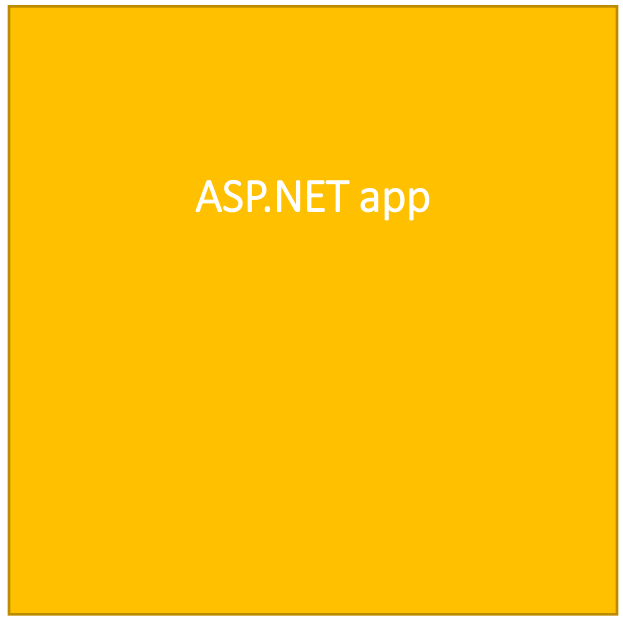

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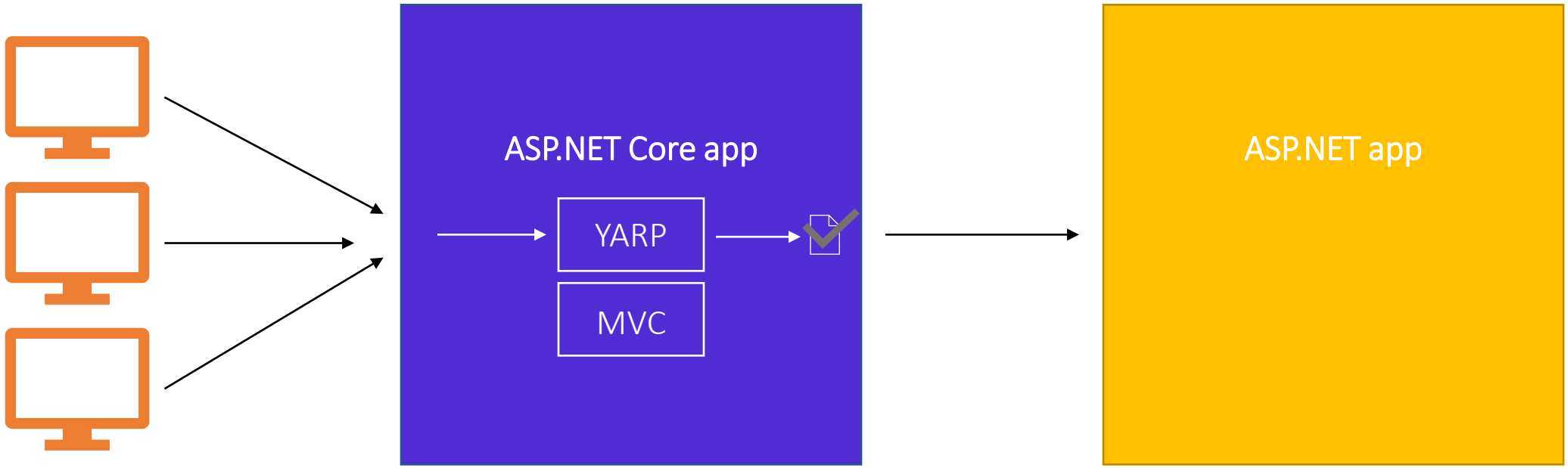

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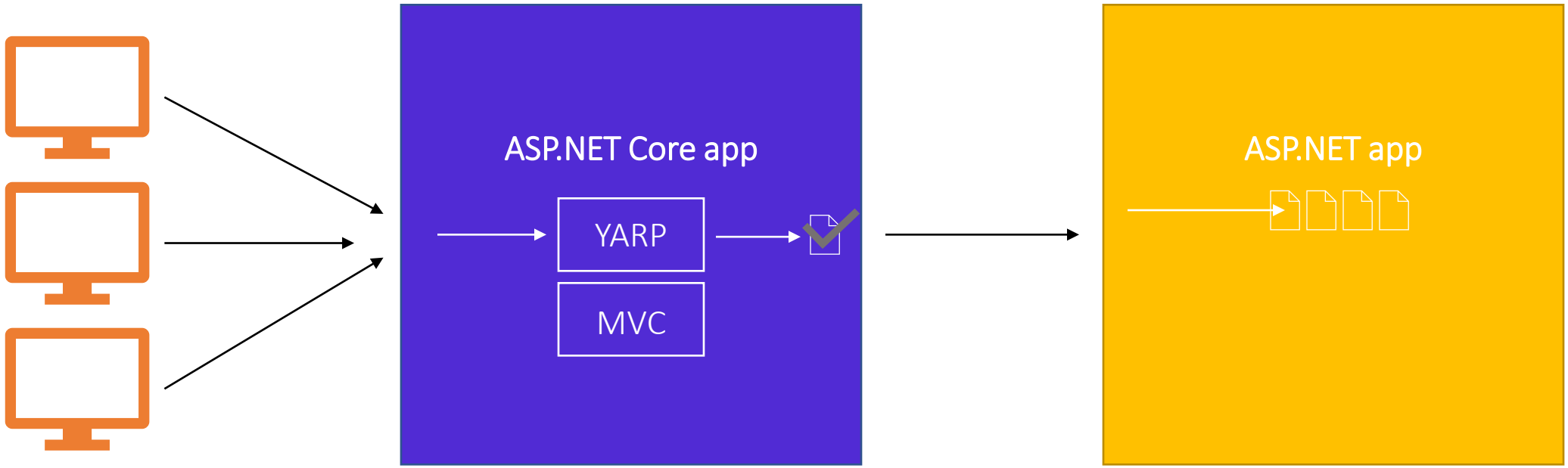

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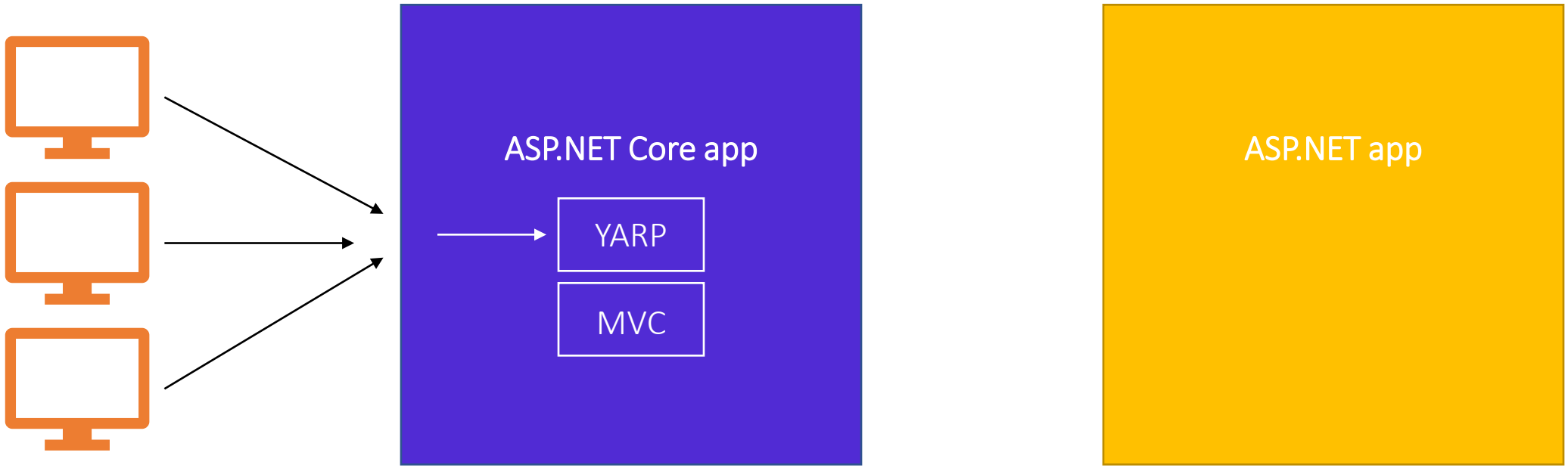

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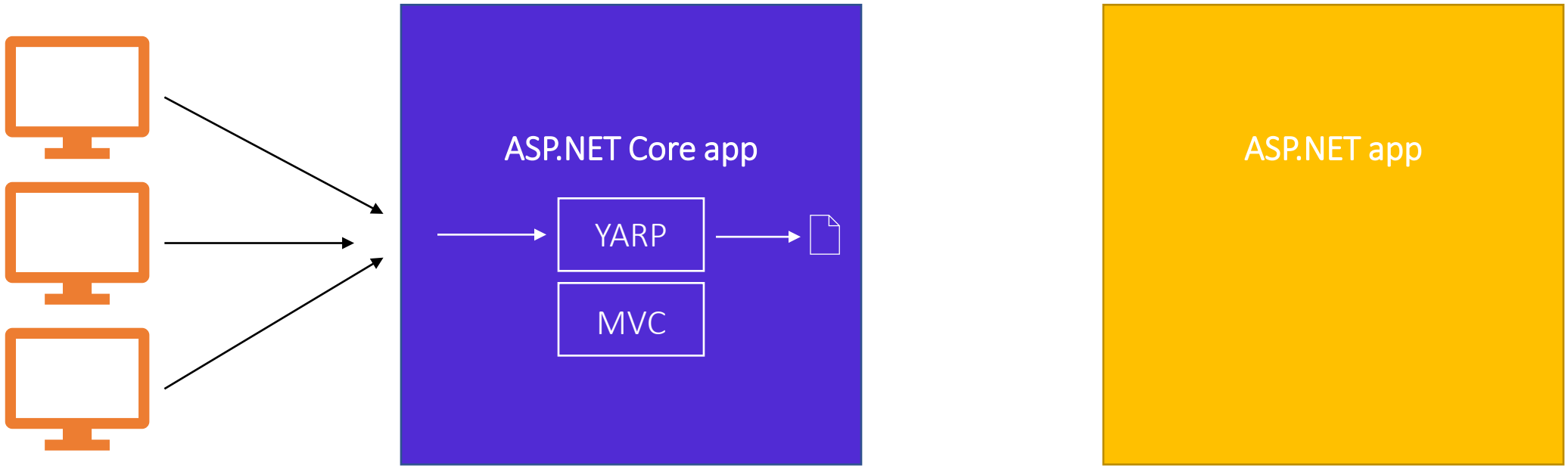

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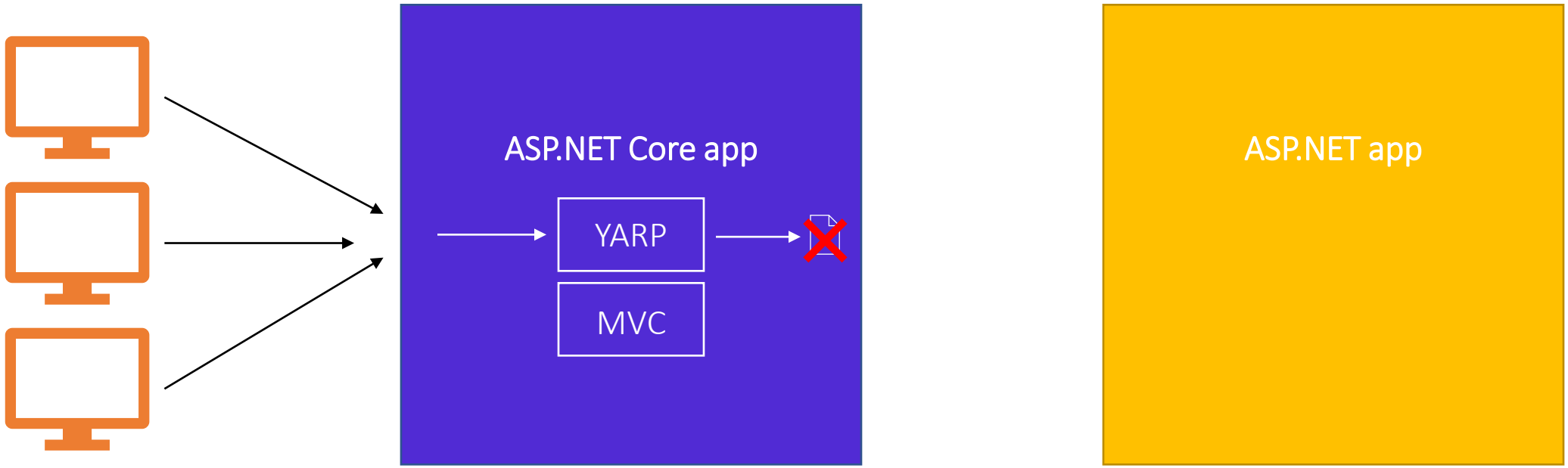

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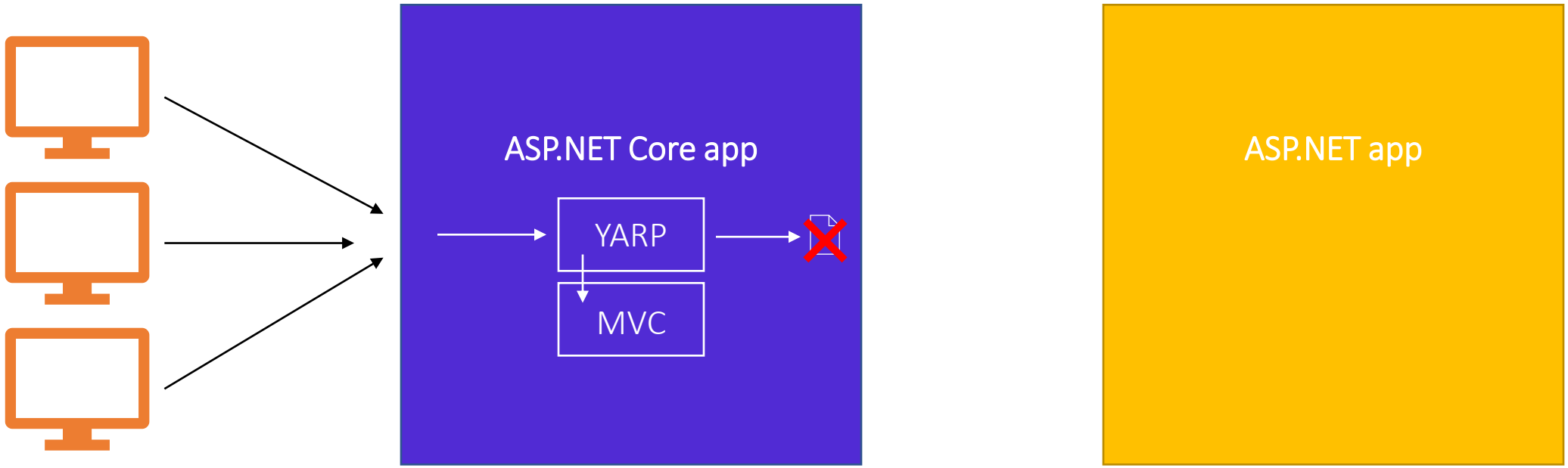

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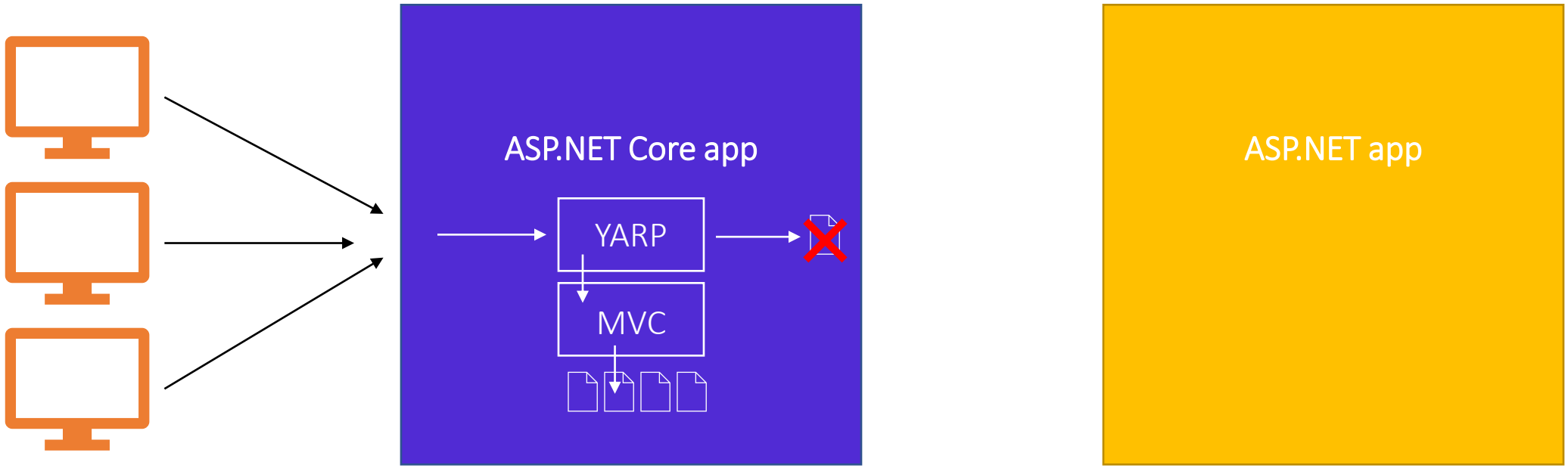

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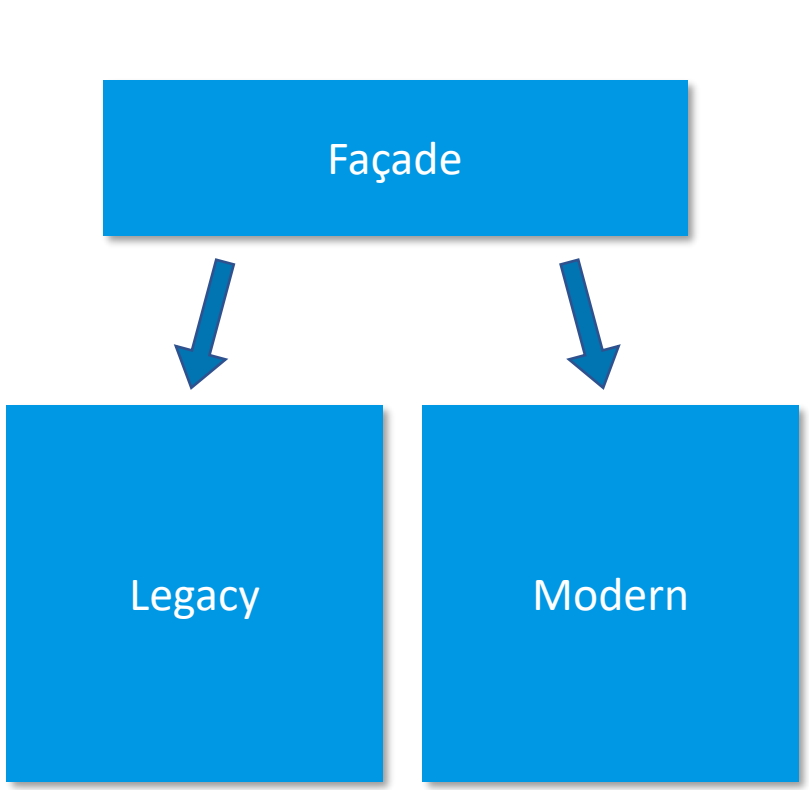
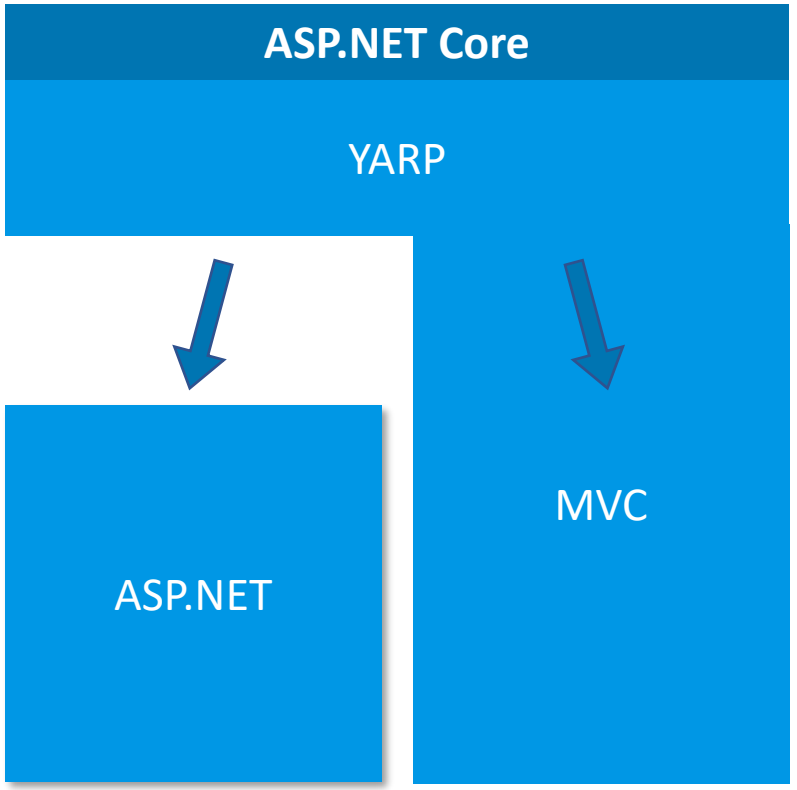
Strangler Fig with YARP





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.NET Upgrade Assistant

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.NET Upgrade Assistant

Todo

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YARP Demo

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System.Web Adapters

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System.Web Adapters

Todo

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Status of YARP

Released

- YARP v1.1.1 is live on NuGet
- Microsoft.AspNetCore.SystemWebAdapters v1.10 is live

Unofficial

- .NET Upgrade Assistant VS extension is in ***preview***

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Learn More

- YARP
- https://github.com/microsoft/reverse-proxy

- System.Web Adapters
- https://github.com/dotnet/systemweb-adapters

- .NET Upgrade Assistant
- https://dotnet.microsoft.com/en-us/platform/upgrade-assistant

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Thank You! Questions?

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Consultation

bit.ly/th-offer

https://github.com/jonathantower/distributed-monolith