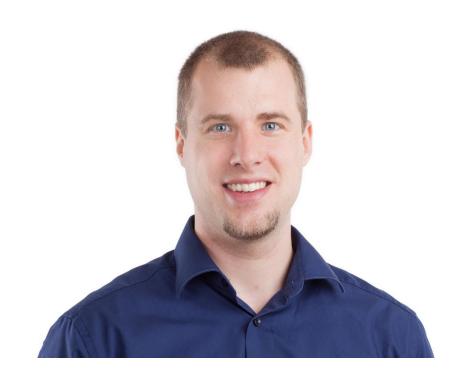


Welcome

Async / Await Chain of Responsibility





Solution Architect Enthusiastic Software Engineer Microsoft Azure MVP

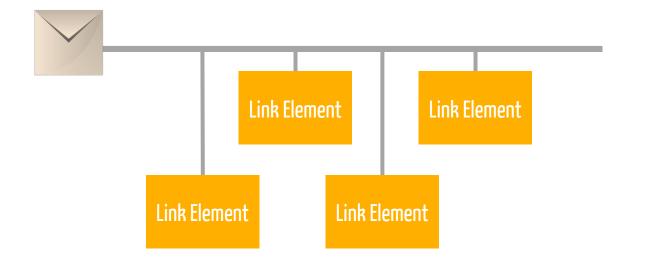
@danielmarbach
particular.net/blog
planetgeek.ch

Goals target

Chain of Responsibility

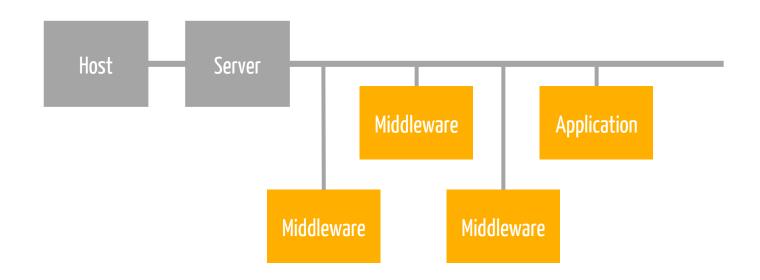


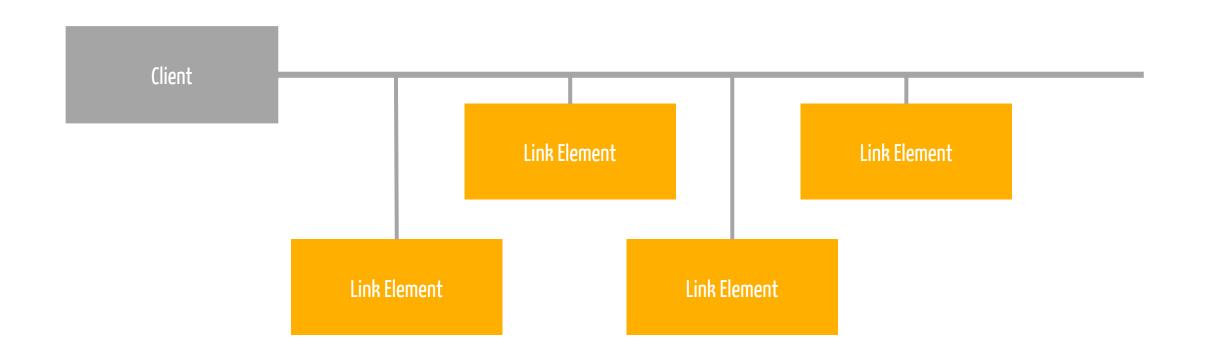




messaging

OWIN





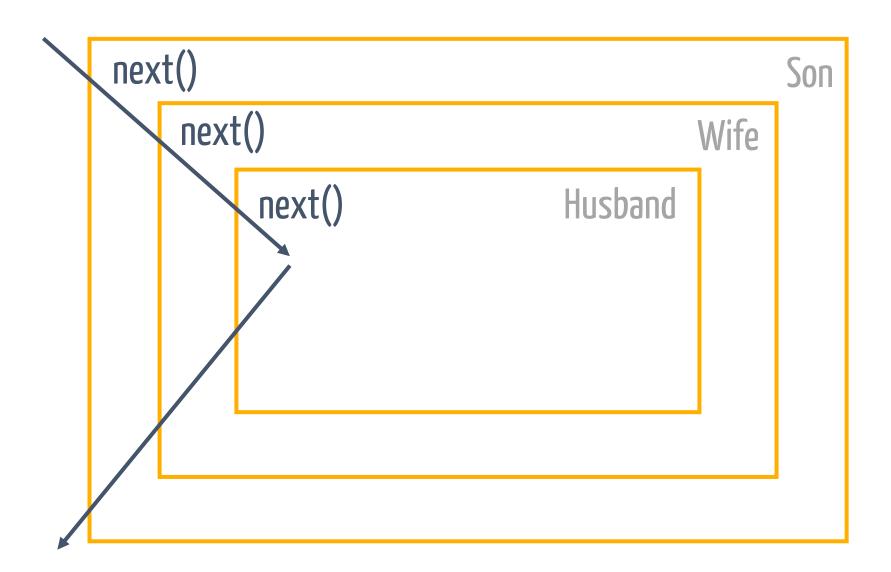
```
namespace Microsoft.AspNet.Mvc.Filters
{
    public interface IAsyncActionFilter : IFilterMetadata
    {
        Task OnActionExecutionAsync(ActionExecutingContext context,
        ActionExecutionDelegate next);
    }
}
```



son wife husband

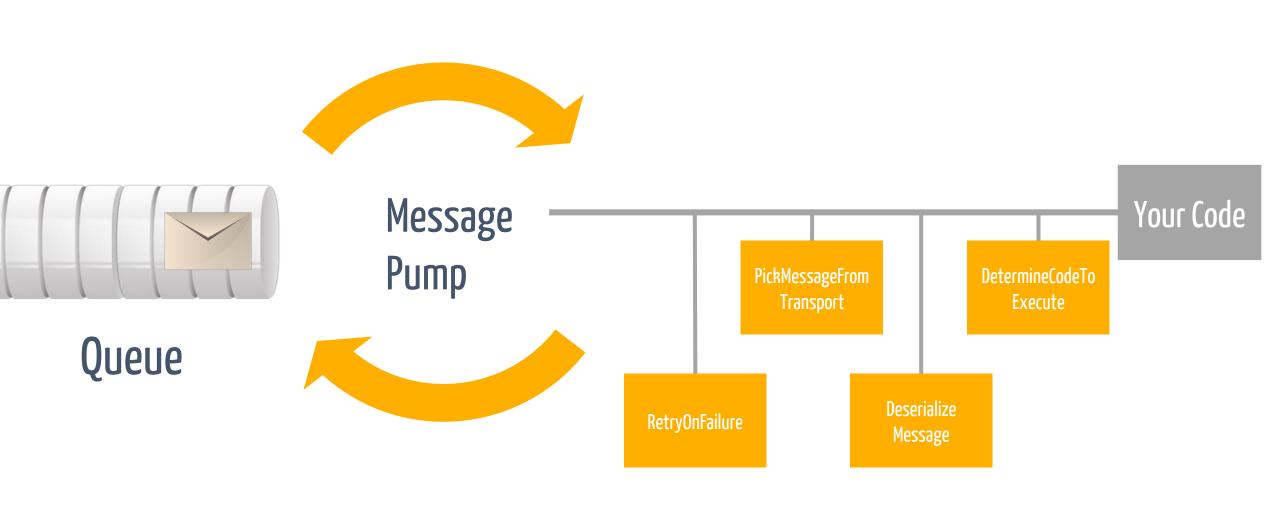
```
static void Person(Action next)
 // Implementation
  next();
```

```
public void ManualDishwasherUnloading()
{
    Son(() => Wife(() => Husband(() => Done())));
}
```



cumbersome

```
static void IgnoreDishStillWetException(Action next))
  try {
   next();
 catch(DishStillWetException) { }
```





Pattern Build It WrapUp

NSB v6

Will be Async all the way

Uses the chain of responsibility pattern heavily

particular.net/blog/async-await-its-time docs.particular.net/nservicebus/pipeline/customizing-v6

Recap reminder

Chain of Responsibility or Russian Dolls is a flextensible pattern ideally suited to build robust 10 bound pipelines

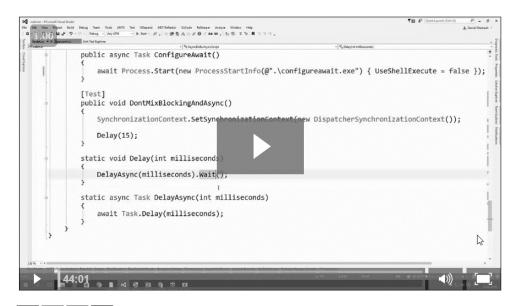
The pattern is used in many OSS projects

Know it, learn it, love it *

Async/Await Webinar Series: Best Practices

See how to avoid common pitfalls in asynchronous code bases

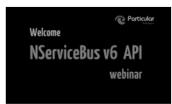








▶ TPL & Message Pumps



NServiceBus v6 API Update



Daniel Marbach shows how to avoid common pitfalls in asynchronous code bases.

Learn how to:

- Differentiate between IO-bound vs CPU-bound work and how this relates to Threads and Tasks
- Avoid serious production bugs as a result of asynchronous methods returning void
- Opt-out from context capturing when necessary
- Deal with synchronous code in the context of asynchronous code

Slides, Links...

github.com/danielmarbach/async-dolls



await Q & A



#