

Welcome

Async / Await Chain of Responsibility





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particular.net/blog
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Godls target

Chain of Responsibility

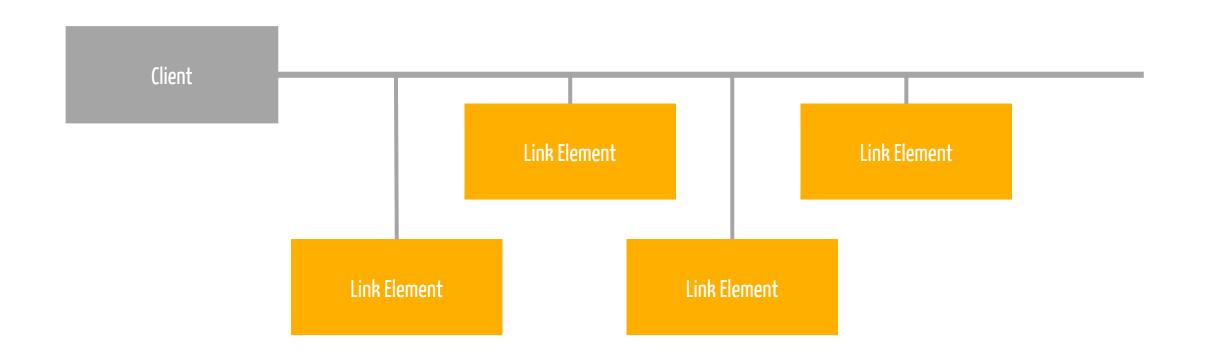
Threads and Tasks

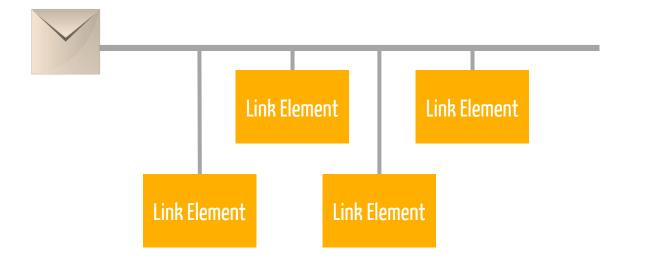
Async best-practices

Why async is the future



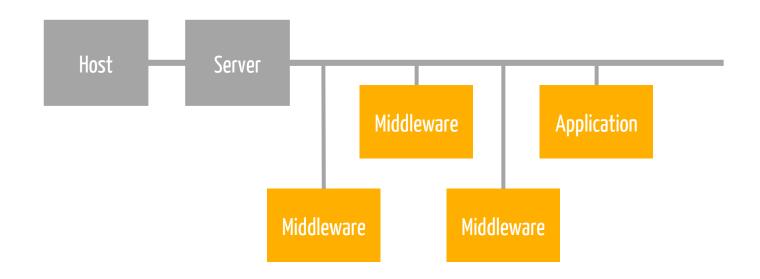
Pattern Build It WrapUp





messaging

OWIN



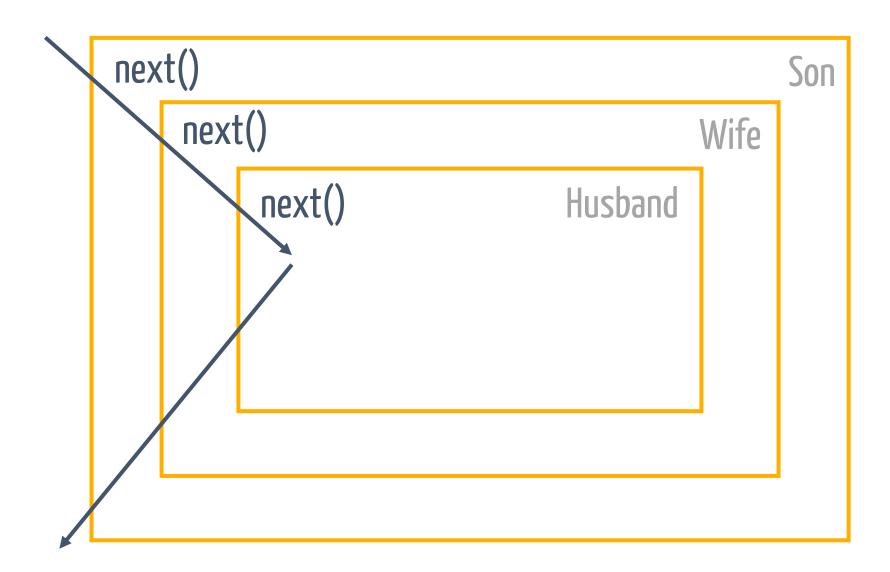


son wife husband

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

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

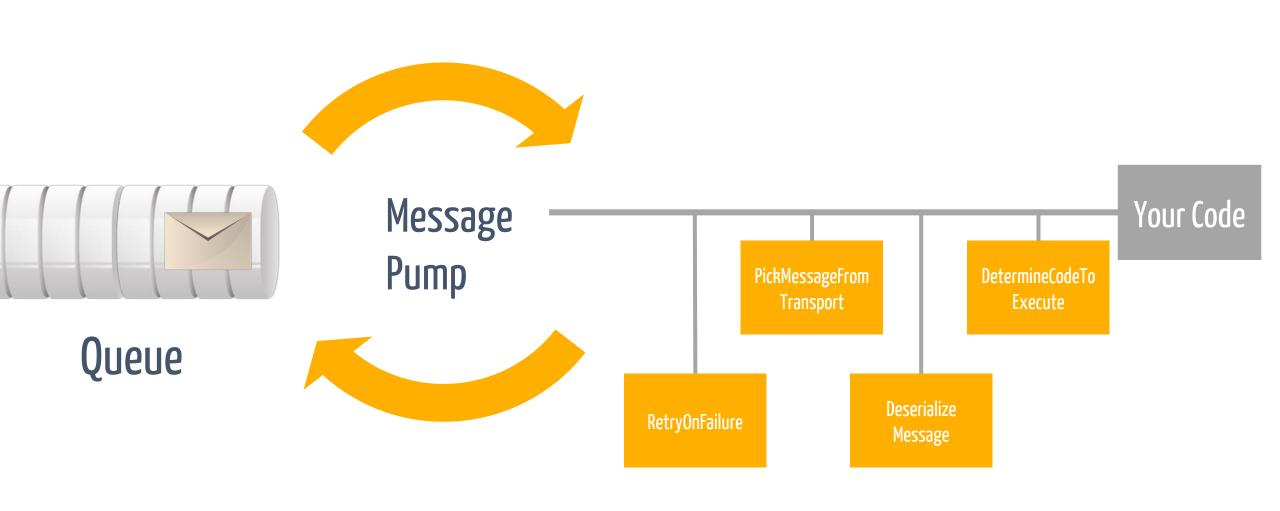
await Demo



cumbersome

await Demo

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





await Demo

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

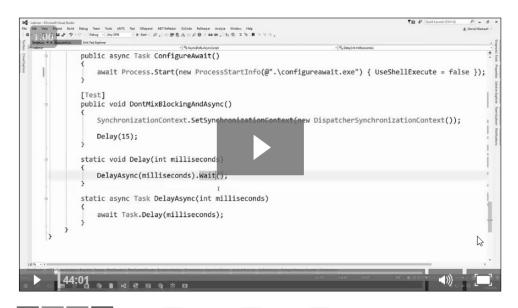
The pattern is used in many OSS projects

Know it, learn it, love it *

Async/Await Webinar Series: Best Practices

See how to avoid common pitfalls in asynchronous code bases





OTHER VIDEOS IN THE SERIES



► TPL & Message Pumps



NServiceBus v6 API Update

Summary

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



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