

**.NET Meetup Peterborough**

# **What's new in .NET Core 3.0**

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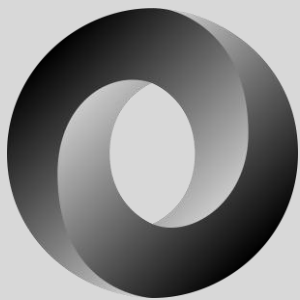
GRPC



.NET  
Core

Topics





GRPC



.NET Core 3.0



# Razor – Preview 6

```
@code {  
    int currentCount = 0;  
  
    void IncrementCount()  
    {  
        currentCount++;  
    }  
}
```

```
@attribute [Authorize]
```

```
<input @bind="myValue" @bind:format="mm/dd" />
```

```
@foreach (var flight in Flights)  
{  
    <DetailsCard @key="flight" Flight="@flight" />  
}
```

```
@{ GreetPerson(person); }
```

```
@code {  
    void GreetPerson(Person person)  
    {  
        <p>Hello, <em>@person.Name!</em></p>  
    }  
}
```

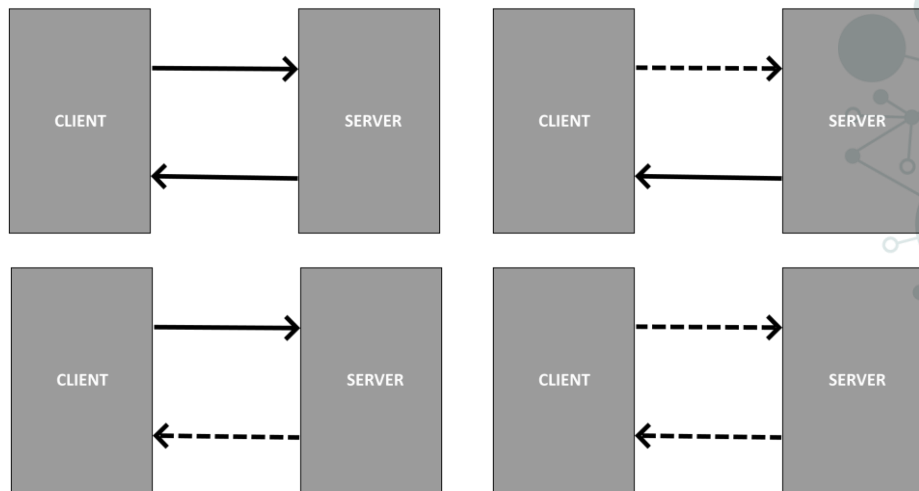
# gRPC Remote Procedure Calls

## Advantages

- Low network usage
- Multiplexing
- First-class code generation

## Disadvantages

- Protobuf is binary
- JavaScript API support
- Debugging and logging



# .NET diagnostics

**dotnet-counters**

Monitor performance counters of a .NET Core application in real time

**dotnet-dump**

Dump collection and analysis utility

**dotnet-trace**

Enable the collection of events for a running .NET Core application to a file

	Windows	Mac	Linux
Collect	✓	✗	✓
Analyse	✗	✗	✓

# Roadmap

.NET Core 3.0	Release Candidate scheduled for July 2019 <b>General Availability</b> scheduled for <b>September 2019</b>
.NET Core 3.1	<b>Long Term Support</b> release, scheduled for <b>November 2019</b>
.NET 5.0	Release scheduled for November 2020
.NET 6.0	LTS release, scheduled for November 2021
.NET 7.0	Release scheduled for November 2022
.NET 8.0	LTS release, scheduled for November 2023

# Thank you

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