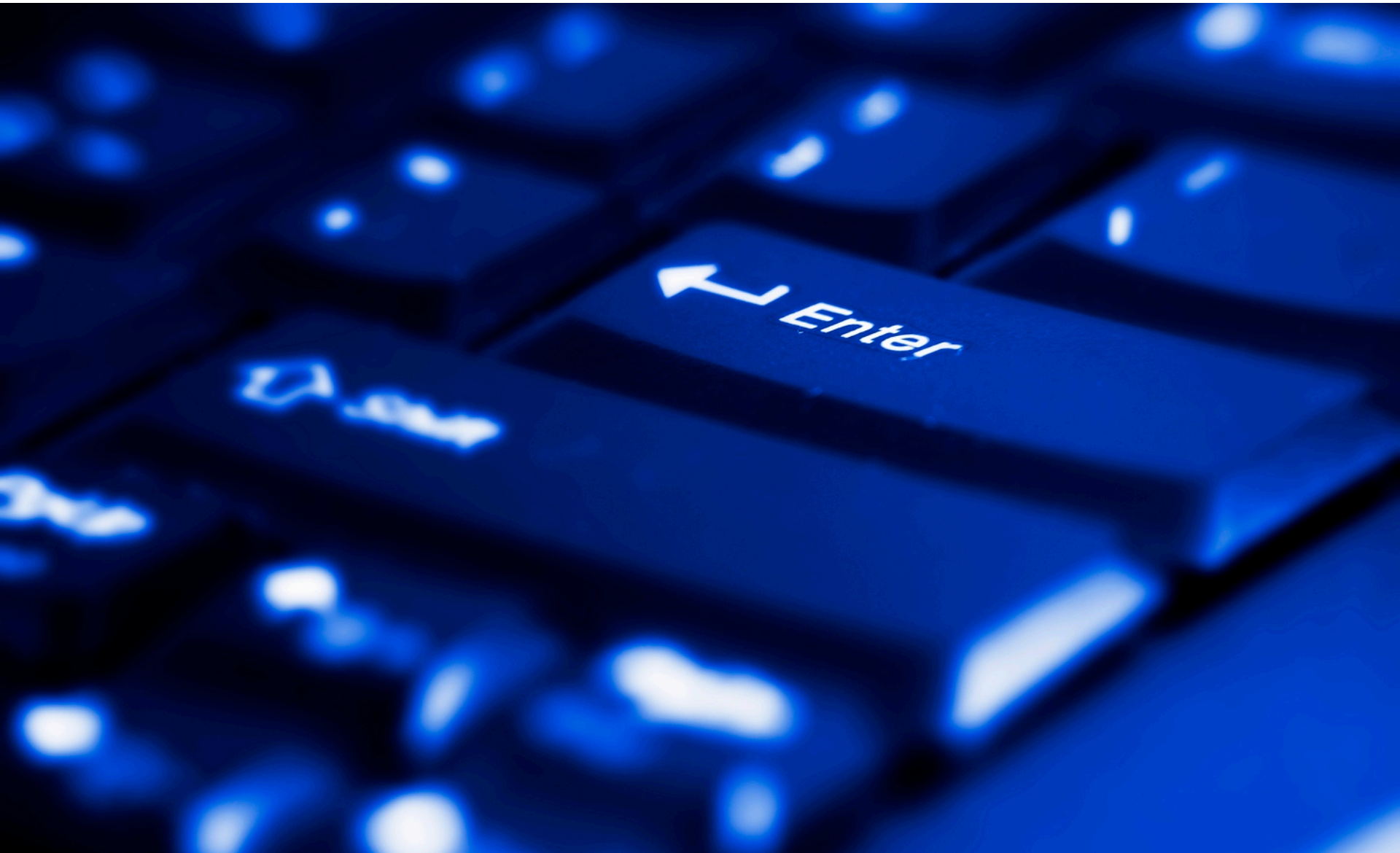
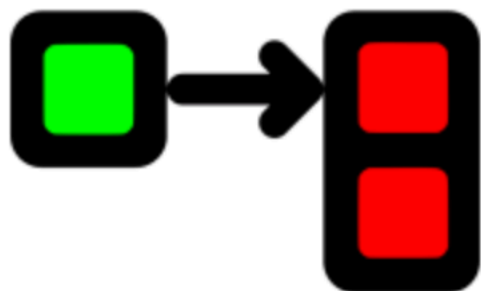




Messaging EasyNetQ and RabbitMQ

Modern Application Architectures





EasyNetQ

An easy .NET API for RabbitMQ

easynetq.com



Install RabbitMQ

```
public class Startup
{
    public Startup(IConfiguration configuration)
    {
        Configuration = configuration;
    }

    public void ConfigureServices(IServiceCollection services)
    {
        services.AddMvc();

        var bus = RabbitHutch.CreateBus("host=localhost;username=guest;password=guest");
        services.AddSingleton<IBus>(bus);
        services.AddSingleton<HelloService>();

        var service = new BorrowingAppService();
        bus.Subscribe<RatingUpdated>("cliClient", e => service.updateRating(e.bookId, e.newValue));
    }
}
```

```
public class HelloService
{
    private readonly IBus bus;

    public HelloService(IBus bus)
    {
        this.bus = bus;
        Console.WriteLine($"Connecting bus");
    }

    public void execute()
    {
        Console.WriteLine($"Connected: {bus.IsConnected}");
        bus.Publish(new Greeting("Hello through rabbitmq"));
    }
}
```



```
static void Main(string[] args)
{
    var bus = RabbitHutch.CreateBus("host=localhost;username=guest;password=guest");
    Console.WriteLine($"Bus connected: {bus.IsConnected}");
    bus.Subscribe<Greeting>("cliClient", greet => Console.WriteLine($"Message came: {greet.Message}"));

    var counter = 0;
    while (true)
    {
        Thread.Sleep(5000);
        Console.WriteLine($"Working already {++counter * 5} seconds");
    }
}
```