



# Serilog Deep Dive

## Beyond the Provided Sinks

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# Serilog: Crash course

```
Log.Logger = new LoggerConfiguration()  
    .MinimumLevel.Debug()  
    .WriteTo.Console(restrictedToMinimumLevel: LogEventLevel.Information)  
    .WriteTo.Http("https://my-back-end-server/logs")  
    .WriteTo.File("log.txt")  
    .WriteTo.Seq("https://my-seq-server:5341")  
    .AuditTo.MSSqlServer("Data Source=SERVER;Initial Catalog=DB")  
    .Enrich.WithMachineName()  
    .Enrich.WithThreadId()  
    .CreateLogger();  
  
Log.Information("Hello NetPonto #34!");
```

# Serilog: Features we'll look at today

## **Sub-Loggers, Filters, Context** properties

More interesting logging pipelines

## Custom **Enrichers**

Attach properties to log events

## Custom **Formatters**

More control over the output

## Custom **Sinks**

Full control over the output

## Custom **Themes**

Personalization of log display

# Serilog: Things we'll play with today

## Types

LogContext  
ILogEventEnricher  
ITextFormatter  
ILogEventSink  
IBatchedLogEventSink  
PeriodicBatchingSink  
ConsoleTheme / ConsoleThemeStyle

## Sinks

Serilog.Sinks.Console  
Serilog.Sinks.File  
Serilog.Sinks.Seq  
Serilog.Sinks.Map  
Serilog.Sinks.PeriodicBatching  
Serilog.Sinks.RichTextBox.Wpf  
Serilog.Sinks.LINQPad

# Demo

Let's play!

# Other interesting projects to check out

## **Serilog.Expressions**

<https://github.com/serilog/serilog-expressions>

## **Serilog.Analyzer**

<https://github.com/Suchiman/SerilogAnalyzer>

# Thanks for joining!

Slides & source code of the demos:

<https://github.com/augustoproiete-talks/Serilog-Deep-Dive--NetPonto-Porto-2021>

@augustoproiete on github, twitter, ...) or <https://augustoproiete.net>