

# Enabling Consumption

---



**Erik Dahl**

PRINCIPAL ARCHITECT

@dahlsailrunner knowyourtoolset.com



# Overview



Types of log consumption

Why not just use files?

What *should* we use?

Demo: Using Serilog with Seq

Demo: Using NLog with Elasticsearch (ELK)

Demo: Using the Azure App Service Provider



# Types of Consumption



Support for individual  
errors



Monthly reporting



Alerting

# What's Wrong with Files?



Hard to query – analysis is made difficult



Need to be joined together if different servers / applications



No user interface available for exploration / search



# Provider / Sink / Target Options



Using Azure? Application Insights is easy go-to  
Azure App Services Diagnostics is available



Using Serilog? Seq is great option, SQL Server or ELK

List here: <https://github.com/serilog/serilog/wiki/Provided-Sinks>

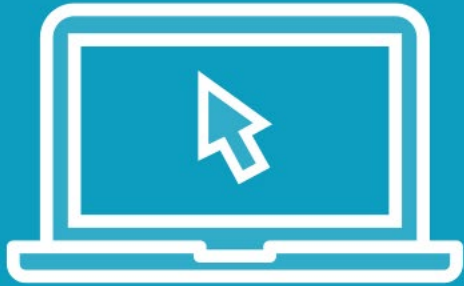


Using NLog? Similar options as Serilog

List here: <https://nlog-project.org/config/?tab=targets>



# Demo



Using Serilog with the Seq Sink

Download Docker image and run it

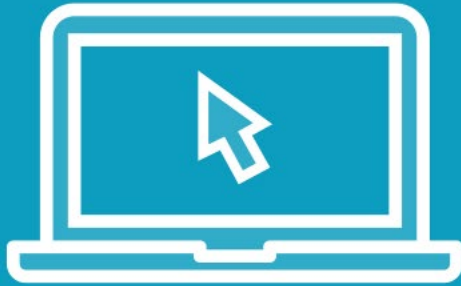
Review application changes

Run app

Explore Seq



# Demo



Using NLog with Elasticsearch / ELK

Use ELK Docker image

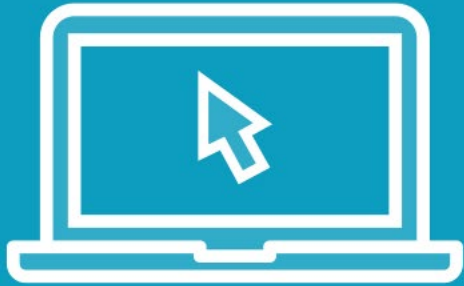
Review application changes

Run app

Review logs in Kibana



Demo



## Azure App Service Diagnostics

- Can be helpful in a pinch
- Application Insights is more complete solution

### Already done:

- UI, API, and database deployed to Azure

Review application changes

Review Azure App Service settings

Look at streaming events

Look at downloadable log files





# Summary



## Discussed importance of log consumption

- Types
- Shortcomings of files
- Overview of available options

## Serilog with Seq

## Nlog with Elasticsearch

## Azure App Services Diagnostics

**Make your logs *effective*!**

