

## Generalizing the Seq configuration

### Start

Let's generalize our logging configuration to make it easy for all microservices to start sending logs to Seq.

### In Common repo

1. Copy the Seq NuGet package reference to Play.Common.csproj:

```
<Project Sdk="Microsoft.NET.Sdk">
...
  <ItemGroup>
    ...
    <PackageReference Include="MongoDB.Driver" Version="2.11.6" />
    <PackageReference Include="Seq.Extensions.Logging" Version="6.0.0" />
  </ItemGroup>
</Project>
```

2. Copy SeqSettings.cs to Play.Common\Settings (fix namespace):

```
namespace Play.Common.Settings
{
    public class SeqSettings
    {
        public string Host { get; init; }

        public int Port { get; init; }

        public string ServerUrl
        {
            get { return $"http://{Host}:{Port}"; }
        }
    }
}
```

3. Add a new Logging directory.
4. Add Extensions.cs under the Logging directory:

```
namespace Play.Common.Logging
{
    public static class Extensions
    {

```

```

public static IServiceCollection AddSeqLogging(this IServiceCollection services, IConfiguration config)
{
    services.AddLogging(loggingBuilder =>
    {
        var seqSettings = config.GetSection(nameof(SeqSettings)).Get<SeqSettings>();
        loggingBuilder.AddSeq(serverUrl: seqSettings.ServerUrl);
    });

    return services;
}
}
}

```

5. Commit and push changes.

6. Track the GitHub workflow until the new NuGet package is published

[In Trading repo](#)

7. Remove the Seq.Extensions.Logging package reference in Play.Trading.Service.csproj

8. Bump the version of Play.Common to the just published one

```
<Project Sdk="Microsoft.NET.Sdk.Web">
```

```
...
```

```
<ItemGroup>
```

```
...
```

```
  <PackageReference Include="Play.Common" Version="1.0.12" />
```

```
...
```

```
</ItemGroup>
```

```
</Project>
```

9. Delete SeqSettings.cs

10. Update Startup.ConfigureServices to use the new extension method:

```

public void ConfigureServices(IServiceCollection services)
{
    ...
    services.AddSeqLogging(Configuration);
}

```

11. Start the service and verify logs show up in Seq portal

12. Commit and push changes

In the next lesson you will deploy Seq to your K8s cluster.