

# Global Logging: ASP.NET Web API

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# Overview



**Web API: Swagger-enabled for Todos**

**Log entry considerations**

- Types
- Information

**Demo: Apply global logging**



# Sample Web API Project

## Swagger via Swashbuckle

- Course: Play by Play: Understanding API Functionality Through Swagger

## Hello World Controller

- Anonymous access

## ToDoS Controller

- Token-based authentication
- Course: Web API v2 Security



# Types of Log Entries: ASP.NET Web API



## Usage

Track all  
invocations  
Plug into the  
pipeline



## Performance

Track every  
request  
Plug into the  
pipeline



## Error

Use a global  
exception filter  
Perform shielding  
and provide an  
ErrorId



## Diagnostic

Put where you  
need it  
Enable / Disable  
by config



# Information to Log: ASP.NET Web API

## Where from?

Product = ToDo

Layer = API

Location = Route

Hostname = Server

## Who is in play?

User = Logged in

Customer = N/A

## What else?

Time spent

Parameters



# Demo



**Introduce existing Web API project**

**Create utility methods**

- Get data for the log entry
- Attributes for Web API

**Apply performance globally**

**Add exception handling**



# Summary



Created attributes for use in any ASP.NET Web API project

Global performance and usage tracking

Shielded exceptions and added correlation ID

Up Next:  
JavaScript / TypeScript!

