Spring Boot 3 Workshop - Devnexus 2023 - Atlanta

About the Sample

It's another very silly application 🤪



- Just enough code to demo what we want!
- API using HttpServiceProxy
- Another MVC controller
- Some configuration

Are really interfaces + metadata

```
@GetExchange("/dogs")
DogsResponse dogs(
    @RequestParam(name="aregood") boolean areGood);

@GetExchange("/owner/{name}/dogs")
List<String> ownedDogs(@PathVariable String name);
```

Records!

```
public record DogsResponse(String message) {
}
```

How to build the client?

```
WebClient webClient =
  webClientBuilder.baseUrl("...").build();
WebClientAdapter adapter =
  WebClientAdapter.forClient(webClient);
HttpServiceProxyFactory factory =
  HttpServiceProxyFactory.builder(adapter).build();
return factory.createClient(Api.class);
```

How to use the client?

```
// Signature
DogsResponse dogs(boolean areGood);
List<String> ownedDogs(String name);
// Usage
api.dogs(true);
api.ownedDogs("Phil");
```

ApplicationRunner

Prints information when the application starts

Functional interface called when the app starts:

void run (ApplicationArguments args) throws Exception

Run the application

Check the startup output

```
$ ./mvnw -pl dog-service clean spring-boot:run
$ ./mvnw -pl dog-client clean spring-boot:run
```

Checkpoint

Client application works