



Week 4: Service-to-Service Communication

Unit 3: Calling the User Service Synchronously

Calling the User Service Synchronously

Simple service call (synchronous)

Create REST requests using [RestTemplate](#) for synchronous client-side HTTP access

Call Service using RestTemplate

```
@Value("${URL}") // e.g. "http://example.org/api/v1.0/users/"
String url;

@Inject
private final RestTemplate restTemplate;

public User callGetUserService() {
    try {
        ResponseEntity<User> response = restTemplate.getForEntity(url, User.class);
    } catch(HttpStatusErrorException error) {
        throw error; //logger.error("received HTTP status code: {}", error.getStatusCode());
    }
    return response.getBody();
}
```

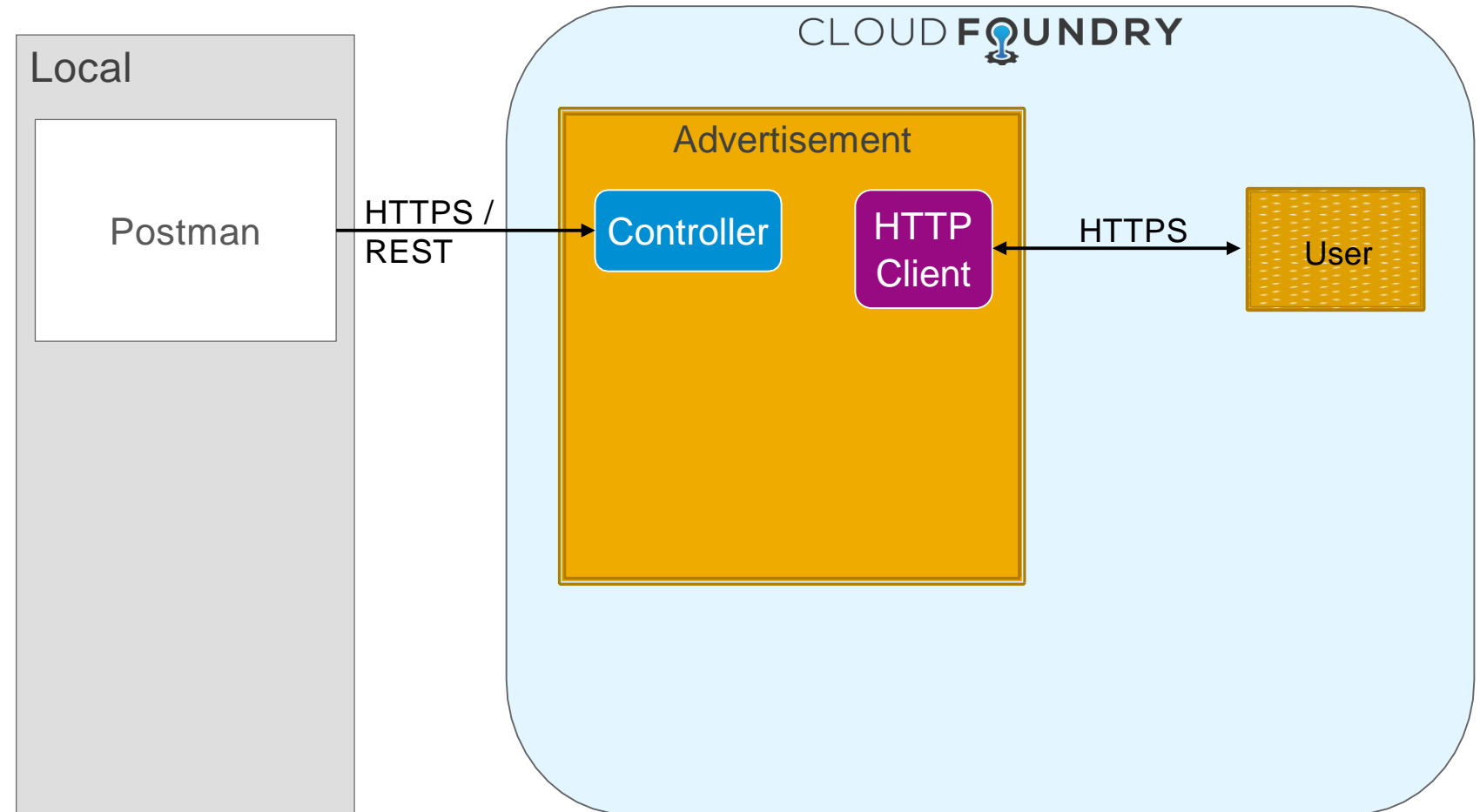
Make use of the **@Value** Spring annotation to inject from property values (file, environment variable)

Calling the User Service Synchronously

Exercise 16



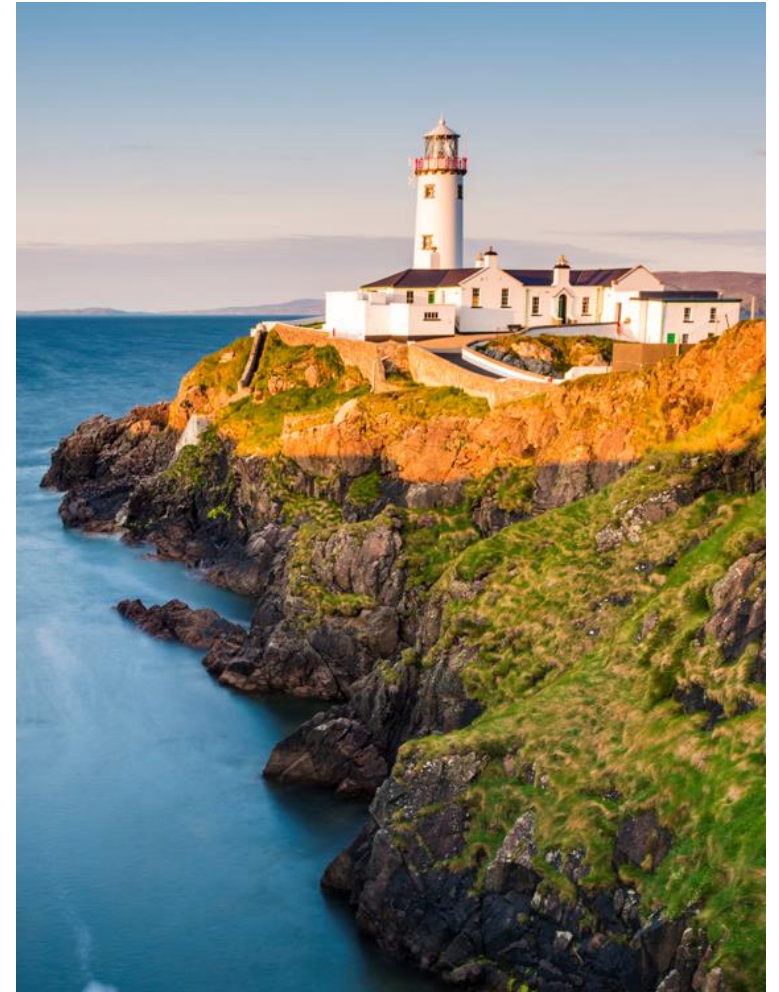
Exercise 16: Call User Service (synchronous)



Calling the User Service Synchronously

What you've learned in this unit

- How to do simple synchronous service calls using Spring *RestTemplate*
- How to configure auto-closeable *RestClients*
- How to read system environment variables using the *@Value* Spring annotation



Thank you.

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