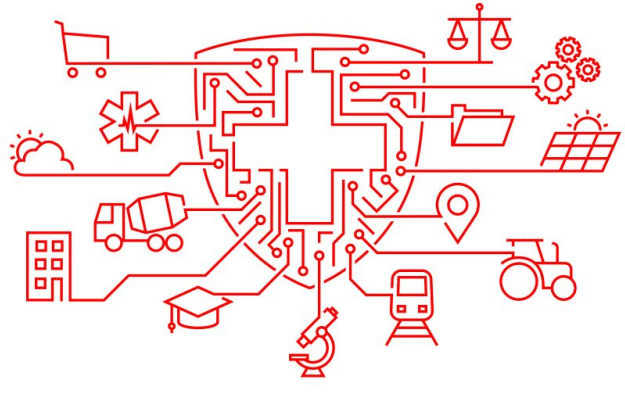
swissdec

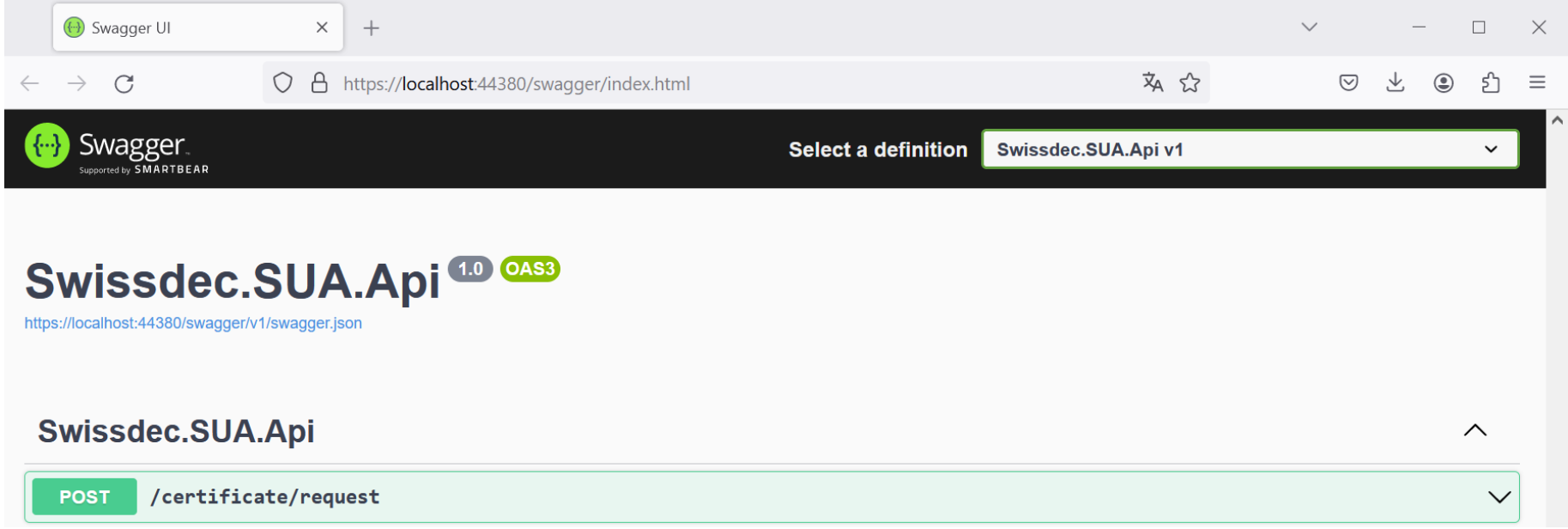


Swissdec @ GovTech Hackathon 2024

Erkenntnisse

- Das eigentliche Problem liegt woanders (SOAP mit Sicherheit in .Net ist schmerzhaft)
- Swissdec muss gewisse Entscheidungen überdenken
- Die Challenge muss attraktiver sein, um mehr zu mobilisieren

Prototyp API



Prototyp Code

```
1  using System.Security.Cryptography;
2  using System.Security.Cryptography.X509Certificates;
3
   1 reference | - changes | -authors, -changes
4  static X509Certificate2 CreateSelfSignedCertificate(string subjectName)
5  {
6      using var rsaKey = RSA.Create(2048);
7      var certificateRequest = new CertificateRequest(subjectName, rsaKey, HashAlgorithmName.SHA256, RSASignaturePadding.Pkcs1);
8      var notBefore = DateTimeOffset.UtcNow;
9      var notAfter = notBefore.AddMonths(1);
10     return certificateRequest.CreateSelfSigned(notBefore, notAfter);
11 }
12
13 var builder = WebApplication.CreateBuilder(args);
14 builder.Services.AddEndpointsApiExplorer();
15 builder.Services.AddSwaggerGen();
16
17 var app = builder.Build();
18 app.UseSwagger();
19 app.UseSwaggerUI();
20 app.MapPost("/certificate/request", async (CertificateRequestModel certificateRequestModel, HttpContext httpContext) =>
21 {
```

Prototyp Client