

# Day 6 - Angular & Asp in 21 days Handouts

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## Day 6: Angular REST Client



To make the Web API callable from any domain you can config the `app` from the `Program.cs` file as follows.

```
app.UseCors(builder => builder.WithOrigins("*"));
```

You can auto-generate angular REST client services that make sending requests to the server as simple as method calls.

First open the `Program.cs` file and configure the SwaggerGen as follows:

```
builder.Services.AddSwaggerGen(c =>
{
    ...
    c.CustomOperationIds(e => $"{e.ActionDescriptor.RouteValues["action"]} + e.ActionDescriptor.RouteValues["controller"]}");
});
```

To install the `ng-openapi-gen` for auto-generating the services open the ClientApp folder from the command line and use call npm (Node Package Manager) like this:

```
cd ClientApp
npm install -d ng-openapi-gen
```

Then add the `ng-openapi-gen.json` file to the ClientApp folder with the following content:

```
{
  "input": "http://localhost:5030/swagger/v1/swagger.json",
  "output": "src/app/api",
  "skipJsonSuffix": true,
  "removeStaleFiles": true
}
```

Replace the 5030 with the port your web server listens to.

Then tun the `npm ng-openapi-gen` on the `ClientApp` folder. Run this command whenever you change the API (Controller names or action signatures) from the Web API.

By running the command, the client services should be generated on the `ClientApp/src/app/api` folder. Import them and call the API as you need.