```
"DownstreamPathTemplate": "/api/orders/{customerId}",
"DownstreamScheme": "http",
"DownstreamHostAndPorts": [{ "Host": "localhost", "Port": 7002 }],
"UpstreamPathTemplate": "/orders/{customerId}",
"UpstreamHttpMethod": [ "GET" ],
"Key": "orders-by-customer"
],
```

```
"GlobalConfiguration": {
"BaseUrl": "http://localhost:7000",
"RequestIdKey": "Oc-Request-Id"
}
4) Program.cs (Gateway)
using Ocelot.DependencyInjection;
using Ocelot.Middleware;
var builder = WebApplication.CreateBuilder(args);
builder.Configuration.AddJsonFile("ocelot.json", optional: false, reloadOnChange: true);
builder.Services.AddOcelot(builder.Configuration);
builder.Services.AddCors(p => p.AddDefaultPolicy(b =>
b.AllowAnyOrigin().AllowAnyHeader().AllowAnyMethod()));
builder.Services.AddSwaggerForOcelot(builder.Configuration);
var app = builder.Build();
app.UseCors();
app.UseSwaggerForOcelotUI(opt => { opt.PathToSwaggerGenerator = "/swagger/docs"; });
await app.UseOcelot();
app.Run("http://localhost:7000");
5) Controllers (Downstream APIs)
ProductsController with GET /api/products and GET /api/products/{id}
OrdersController with GET /api/orders/{customerId}
6) Optional Features
a) Load Balancing with RoundRobin
b) Rate Limiting with "RateLimitOptions"
c) JWT Authentication at Gateway
d) Aggregation using "Aggregates" section
e) Swagger Consolidation with SwaggerForOcelot
7) Run and Test
dotnet run --urls http://localhost:7001 (Products)
dotnet run --urls http://localhost:7002 (Orders)
dotnet run --urls http://localhost:7000 (Gateway)
curl http://localhost:7000/products
curl http://localhost:7000/products/1
curl http://localhost:7000/orders/alice
curl http://localhost:7000/dashboard/alice/1
8) Common Issues
```

- 404: check UpstreamPathTemplate, UpstreamHttpMethod, and await app.UseOcelot().
- CORS: configure in Gateway.
- Swagger empty: check SwaggerKey matches SwaggerEndPoints keys.