

# Demo per la sessione WebAPI 2.0 di Community Days Roma 2013

Nota: Per alleggerire lo zip, ogni progetto è mancante delle cartelle bin, obj e di tutti i componenti NuGet. Ricompilando due volte, la prima volta NuGet recupererà i vari componenti via rete, la seconda volta verrà effettivamente ricompilata la soluzione.

## DEMO 1 – Progetti WebAPI 1.0 Vs. 2.0

- Aprire la Soluzione “1) Demo WebAPI 1.0 (**ToDo**)” in VS 2012;
- Aprire la Soluzione “2) Demo WebAPI 2.0 (**ToDo**)” in VS 2013;

Sono due progetti creati per mostrare la differenza tra la versione 1.0, dove il web service è contenuto in una web app MVC, e la 2.0, che (volendo) contiene solo il servizio.

Richieste Fiddler:

```
=====
Demo WebAPI 2.0 (ToDo)
=====
GET http://localhost:7714/api/todo HTTP/1.1
User-Agent: Fiddler
Host: localhost:7714
-----
GET http://localhost:7714/api/todo/2 HTTP/1.1
User-Agent: Fiddler
Host: localhost:7714
-----
POST http://localhost:7714/api/todo HTTP/1.1
User-Agent: Fiddler
Host: localhost:7714
Content-Type: application/json
Content-Length: 39

{"Description":"Prova", "CategoryId":1}
-----
```

**Nota: Aggiorna l'URL e il TaskId con quello restituito dalla precedente richiesta!**

```
-----
PUT http://localhost:7714/api/todo/9 HTTP/1.1
User-Agent: Fiddler
Host: localhost:7714
Content-Type: application/json
Content-Length: 62

{"TaskId":9, "Description":"Prova modificata", "CategoryId":1}
-----
DELETE http://localhost:7714/api/todo/9 HTTP/1.1
User-Agent: Fiddler
Host: localhost:7714
-----
```

## DEMO 2 – Attribute Routing e IHttpActionResult

- Aprire la soluzione “3) Demo Attribute Routing (**Books**)” in VS 2013

Richieste Fiddler:

```
=====
Demo Attribute Routing (Books)
=====
GET http://localhost:10150/api/books HTTP/1.1
User-Agent: Fiddler
Host: localhost:10150
-----
GET http://localhost:10150/api/books/Computer%20Science HTTP/1.1
User-Agent: Fiddler
Host: localhost:10150
-----
GET http://localhost:10150/api/books/2 HTTP/1.1
User-Agent: Fiddler
Host: localhost:10150
-----
GET http://localhost:10150/api/Authors HTTP/1.1
User-Agent: Fiddler
Host: localhost:10150
-----
GET http://localhost:10150/api/Authors/2 HTTP/1.1
User-Agent: Fiddler
Host: localhost:10150
-----
GET http://localhost:10150/api/Authors/2/Books HTTP/1.1
User-Agent: Fiddler
Host: localhost:10150
-----
```

## DEMO 3 – ODATA self hosted

- Aprire la soluzione “4) Demo OData (Orders)” in VS 2013

Richieste Fiddler:

```
=====
Demo OData $Select
=====
GET http://localhost:9000/odata/Customers?$select=Name HTTP/1.1
User-Agent: Fiddler
Host: localhost:9000
-----
GET http://localhost:9000/odata/Customers(2)?$select=CustomerId,Name HTTP/1.1
User-Agent: Fiddler
Host: localhost:9000
-----
GET http://localhost:9000/odata/Customers?$select=CustomerId,Name,Orders&$expand=Orders
HTTP/1.1
User-Agent: Fiddler
Host: localhost:9000
-----
```