

Trying out the state machine

Script start

It's time to send our first purchase request to our Trading microservice and see our state machine working for the first time. But before that, let's make sure we start the Identity and Catalog services first.

1. Start Identity and Catalog services via dotnet run

In Trading repo

2. Set breakpoints in Controller PostAsync and PurchaseStateMachine ConfigureInitialState
3. Start Trading service with F5

In Postman

4. Get the list of Catalog items and pick one ID to purchase
5. Prepare a POST request for purchase using the **trading.fullaccess** scope:

POST <https://localhost:5007/purchase>

```
{  
  "ItemId": "[some id]",  
  "Quantity": 1  
}
```

6. Post the new purchase
7. Open RabbitMQ portal at <http://localhost:15672>
8. Notice the new trading-purchase-state queue
9. Explore the purchase.states collection in the Trading DB in VS Code

In the next lesson we will add a controller action so we can query the state of the state machine.