

Using Service Bus in a microservice

Let's use the updated Common library to add Azure Service Bus support to the Identity microservice.

In [Play.Identity](#) repo

1. Bump the Play.Common version to 1.0.8 in Play.Identity.Service.csproj
2. Update Startup:

```
public void ConfigureServices(IServiceCollection services)
{
    ...
    services.Configure<IdentitySettings>(Configuration.GetSection(nameof(IdentitySettings)))
    ...

    services.AddMassTransitWithMessageBroker(Configuration, retryConfigurator =>
    {
        retryConfigurator.Interval(3, TimeSpan.FromSeconds(5));
        retryConfigurator.Ignore(typeof(UnknownUserException));
        retryConfigurator.Ignore(typeof(InsufficientFundsException));
    });
    ...
}
```

3. Start the service (dotnet run)
4. Verify it started successfully and MassTransit connected to RabbitMQ
5. Update README with new docker image version (1.0.4)
6. Build the new docker container version
7. Update README with new run steps:

```
## Run the docker image
```powershell
$adminPass="[PASSWORD HERE]"
$cosmosDbConnString="[CONN STRING HERE]"
$serviceBusConnString="[CONN STRING HERE]"
docker run -it --rm -p 5002:5002 --name identity -e
MongoDbSettings__ConnectionString=$cosmosDbConnString -e
ServiceBusSettings__ConnectionString=$serviceBusConnString -e
```

```
ServiceSettings__MessageBroker="SERVICEBUS" -e
IdentitySettings__AdminUserPassword=$adminPass --network playinfra_default play.identity:$version
'''
```

8. Run the command
9. Verify it started successfully and MassTransit connected to Service Bus
10. In the Azure Portal, verify the **identity-debitgil** queue was created
11. Browse to <http://localhost:5002/identity/account/register>
12. Register Player1
13. In the Azure Portal, verify the **play.identity.contracts~userupdated** topic was created
14. Commit and push changes

Now that you have enabled both Azure Cosmos DB and Azure Service Bus in the Identity microservices, please move on to the next assignment where you will update your other microservices to also get Cosmos DB and Service Bus support.