

<https://azure.microsoft.com/en-us/documentation/articles/service-fabric-reliable-actors-get-started/>

Setup instructions:

Follow the steps from here: <https://azure.microsoft.com/en-us/documentation/articles/service-fabric-get-started>

1. VS2015 is a prerequisite
2. Install the Service Fabric SDK
<http://www.microsoft.com/web/handlers/webpi.ashx?command=getinstallerredirect&appid=MicrosoftAzure-ServiceFabric>
3. Enable PowerShell execution
4. Create local version of Service Fabric host cluster
5. In VS2015, Create -> New -> Cloud -> Service Fabric Application
 - a. Sub dialog -> choose Stateless Actor
 - b. 4 projects are created
 - c. Update the Interface for our calculator example
 - d. Implement the interface in the Actor
 - e. Point out the fabric hosting
 - f. Accept the service as the startup actor
 - g. Note the diagnostics being displayed
 - h. Browse out to the client bin/Debug
 - i. Launch the client and see the output.
 - j. Close client
 - k. Stop debugging

Akka.NET - <http://getakka.net/docs/Getting%20started>

1. Can run in VS2013
2. Installing Akka.NET is the only prerequisite – it's available as a NuGet package
 - a. Install-Package Akka
 - b. Create a console app
 - c. Add a class for the Actor (inherit from UntypedActor)
 - d. Add a class for the message type
 - i. The message MUST BE IMMUTABLE
 - e. Instantiate the ActorSystem
 - f. Instantiate the actor
 - g. Send the actor messages