# Plan

## Create host host capable of routing commands to remote services

* Don’t worry about re-try logic
* End-to-end test with two running remote instances would be nice

## Create a sample application that makes use sending commands

* Start with 3 service
* Maybe have services written in 2 different languages
* Sample application forces me to write clients early which should make integration with host easier

## Add event publishing and subscription

## Add use of events in sample application

## Fault tolerance - Implement error queues, re-try logic

* Be careful with events – make sure test-cases include situations where events reach one subscriber but not other(s)

## Update sample application to demonstrate fault-tolerance features

## Start to add monitoring capabilities

* Have a look at NServiceBus and other examples

## Update sample application to use monitoring capabilities

## Do some research and add capabilities for Sagas or workflows

## Make use of Saga/workflow features in sample application

## Checklist / not sure where to put them

1. Can I capture user intent and make it safer even faster?
2. Invalid configurations are detected and handled accordingly
   1. e.g. 2 handlers registered for same command
3. Refactor multi-jvm tests to be more expressive? e.g. createHostName “host1” inCluster “cluster” withConfigs host1Configs
4. Is it easy for people to use the project
   1. have all dependencies been mentioned and shown how to set up?