# Project: Deploy an Animal Tracking Business Network

**Problem Statement**: The government farming regulators are not able to track the locations of all animals and their movements between farms. You are supposed to create and deploy a business network to solve the problem.

**Steps to Perform**:

Step1: Define the business network including the following:

* **Participant**: farmers, and regulator
* **Assets**: animal, business, and field
* **Transactions**: AnimalMovementDeparture, AnimalMovementArrival, and SetupDemo

Step 2: Test the business network definition in the Test tab. Submit a SetupDemo transaction:

{

"$class": "com.biz.SetupDemo"

}

Step 3: The transaction populates the Participant Registries with two farmer participants and a regulator participant. The Asset Registries will have eight animal assets, two business assets, and four field assets. Submit an AnimalMovementDeparture transaction:

{

"$class": "com.biz.AnimalMovementDeparture",

"fromField": "resource:com.biz.Field#FIELD\_1",

"animal": "resource:com.biz.Animal#ANIMAL\_1",

"from": "resource:com.biz.Business#BUSINESS\_1",

"to": "resource:com.biz.Business#BUSINESS\_2"

}

Step 4: This transaction moves ANIMAL\_1 from FIELD\_1 at BUSINESS\_1 to BUSINESS\_2. Submit an AnimaMovementArrival transaction:

{

"$class": "com.biz.AnimalMovementArrival",

"arrivalField": "resource:com.biz.Field#FIELD\_2",

"animal": "resource:com.biz.Animal#ANIMAL\_1",

"from": "resource:com.biz.Business#BUSINESS\_1",

"to": "resource:com.biz.Business#BUSINESS\_2"

}x