Smart Contracts

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Things to Think About

- Identify participants in the [new] process
- Model the workflow for the process
- Model the activities within the process
- Identify the participants in the activity
- Identify who needs to participate in the activity (vs. get visibility of the state)
- Identify the rate or likelihood of change for both process and activities
- Understand the interdependencies between the activities



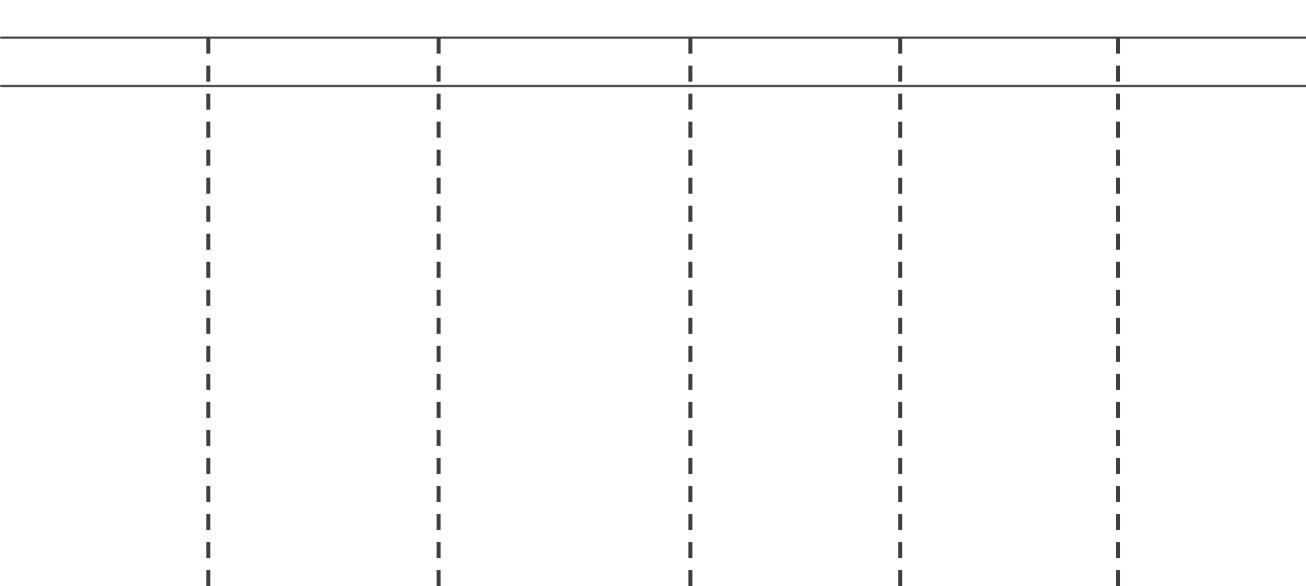
Step 1 – Identify the Participants in the Process

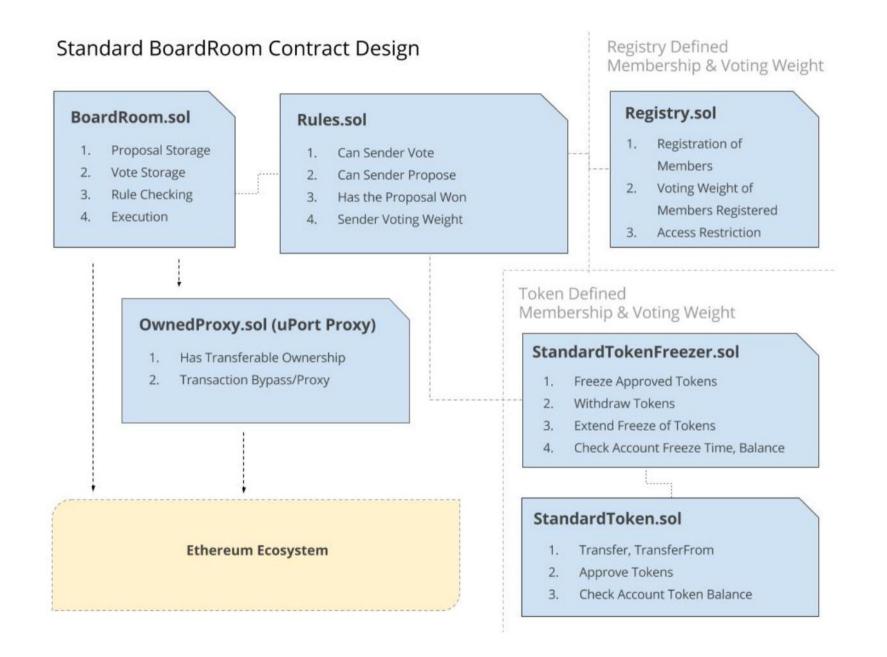
For your scenario, identify all of the participants and their roles in the section below

Participant	Role	
Participant	Role	
Participant	Role	
Participant	Role	
Participant	Role	
Participant	Role	

Step 2 – Capture the Process Workflow

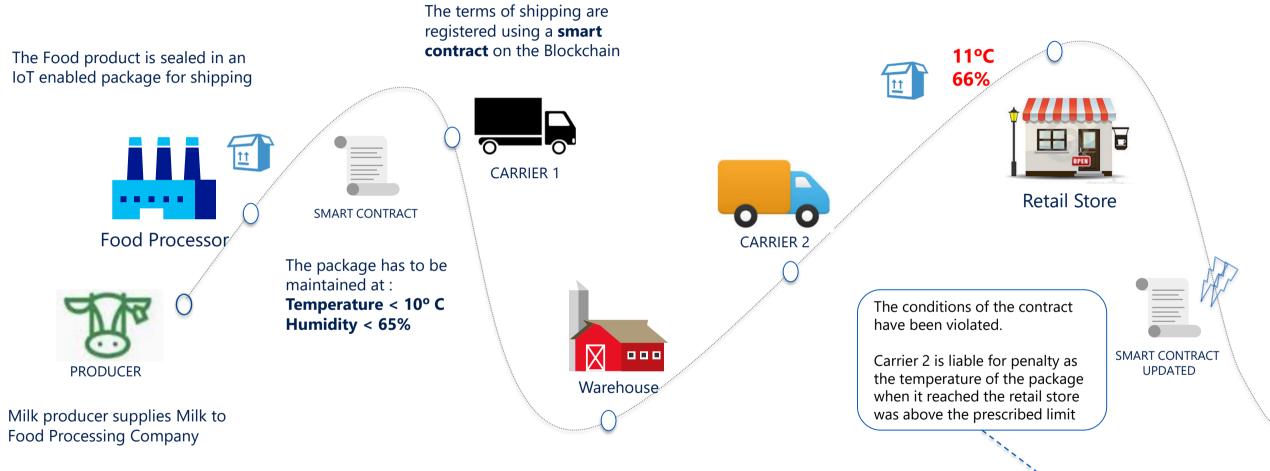
- 2a. For each of your participants, write their name at the top of a column below.
- 2b. Draw a sequence diagram that shows the use cases and the workflow for your scenario







Detailed Use Case - Supply Chain with IoT and blockchain



At various points in the journey, the IoT device from the package sends the Temperature & Humidity data which are recorded on the blockchain



Security & Management



Security Center





Azure Active Directory





Multi-Factor Authentication





Scheduler



Key Vault



Store/ Marketplace



VM Image Gallery & VM Depot

Platform Services

Media & CDN





Integration



API Management







Compute Services











Application Platform



لها



Mobile Apps



Cloud Services





Developer Services



Visual Studio



Engagement







Data



HDInsight



SQL Data Warehouse

Intelligence

Analytics & IoT

Cognitive Services Services Bot Framework Cortana



Data Lake Analytics Service Data Lake Store

Networking

DocumentDB

Stream Analytics





Domain Services

Azure AD Health Monitoring



Hybrid

Cloud

AD Privileged Identity Management



Operational Analytics



Import/Export



Azure Site Recovery



StorSimple

Infrastructure Services

Compute





Containers





Storage





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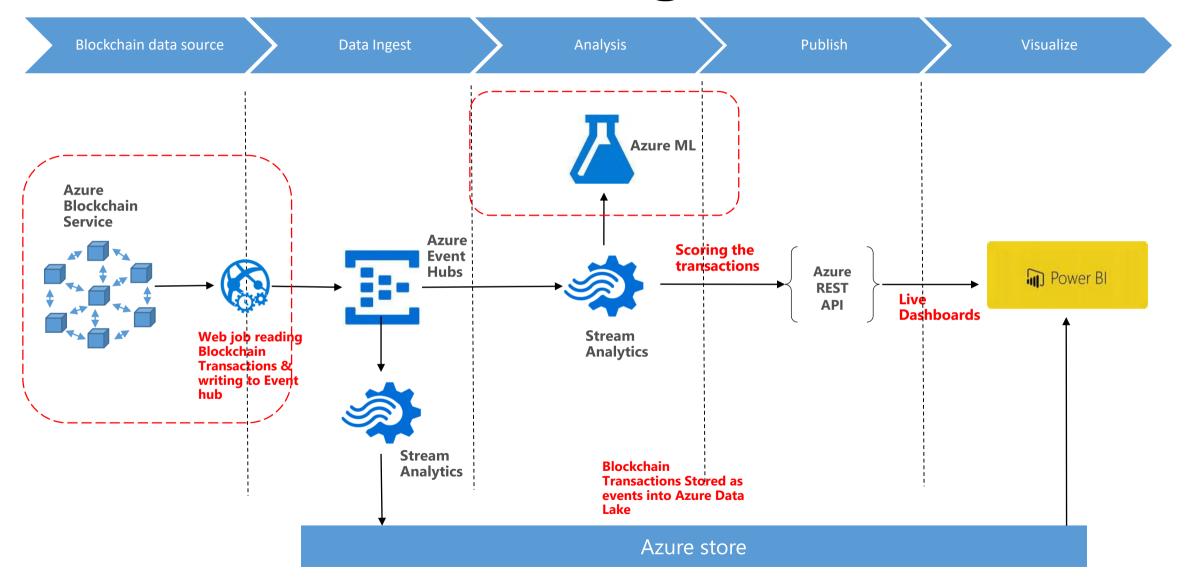




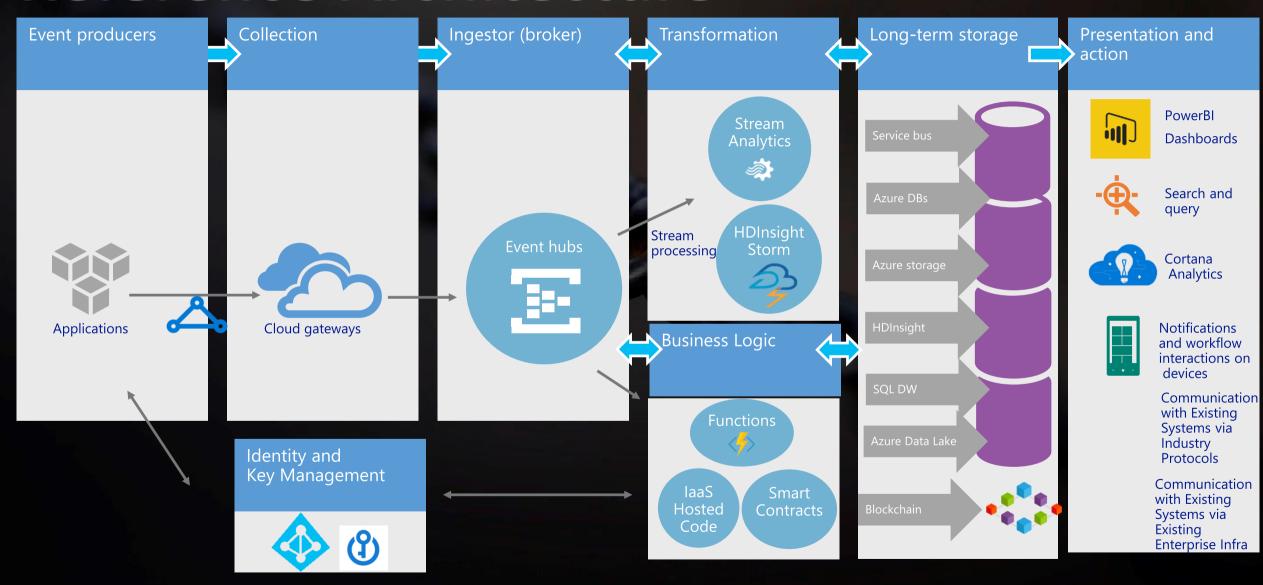


Datacenter Infrastructure (38 Regions)

Blockchain Data Intelligence Architecture



Reference Architecture



Why Microsoft Azure Blockchain as a Service





FAIL FAST & CHEAP

in a development test environment



MIX & MATCH

from the best available blockchain technologies



CREATE & INNOVATE

by building solutions on blockchain quickly



SHARE SOLUTIONS

through a worldwide distributed platform



PROVISION

with one-click to test & iterate

Get started



SIGN UP FOR AN AZURE ACCOUNT

https://azure.microsoft.com/



READ ABOUT BLOCKCHAIN ON AZURE

https://azure.microsoft.com/en-gb/solutions/blockchain/



TRY THE CONSORTIUM BLOCKCHAIN TEMPLATE

https://azure.microsoft.com/en-us/blog/project-bletchley-blockchain-infrastructure-made-easy/



FIND OUT MORE ABOUT PROJECT 'BLETCHLEY'

https://github.com/Azure/azure-blockchain-projects/tree/master/Bletchley/



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