



### Trellisfw - IBM Food Trust JavaScript API - NPM package



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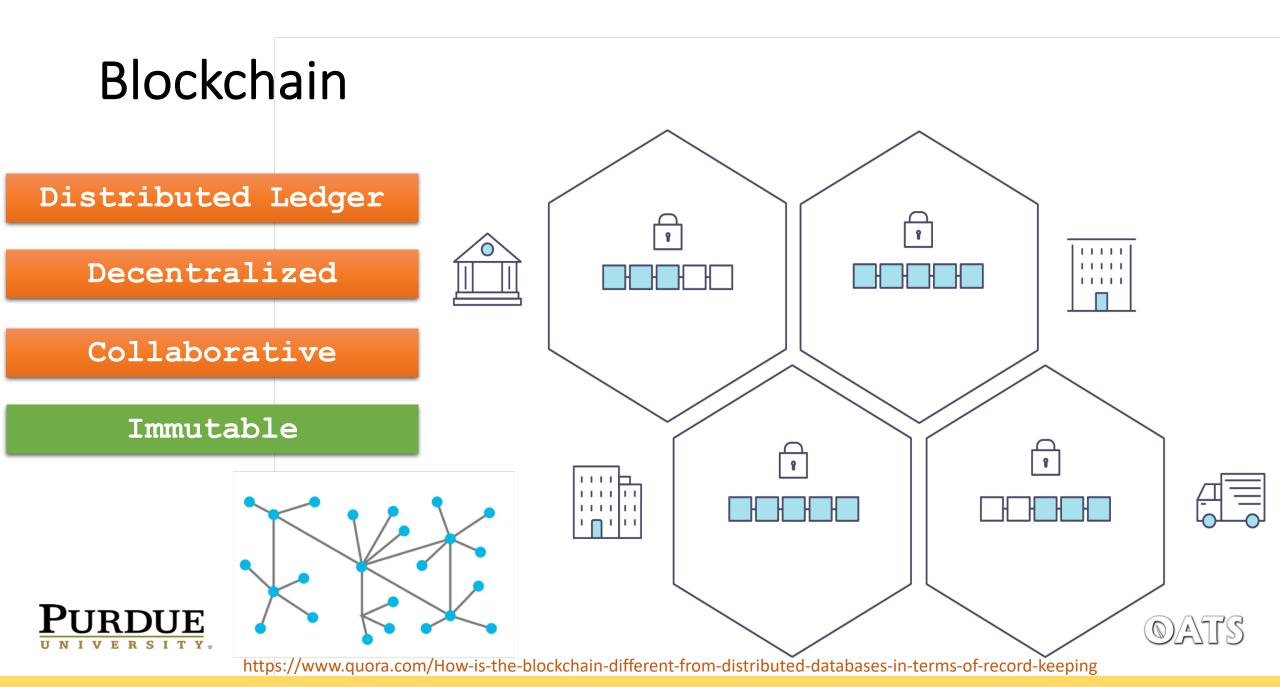


### Outline

- IBM Food Trust and Blockchain
- Hyperledger Fabric
  - Architecture
  - Model
  - Network
- Demo





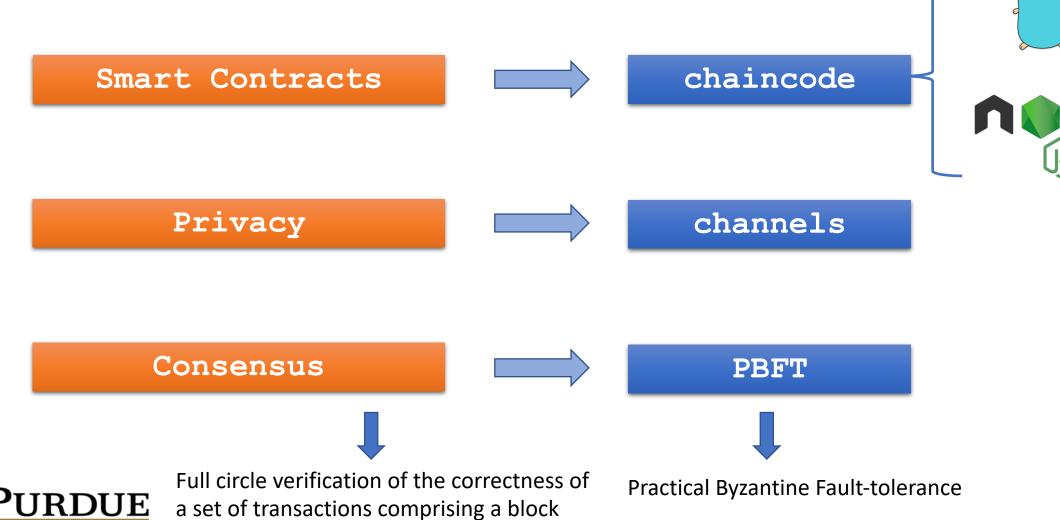


# What is Hyperledger Fabric?

Hyperledger Fabric is a blockchain framework implementation and one of the Hyperledger Projects hosted by *The Linux foundation* 

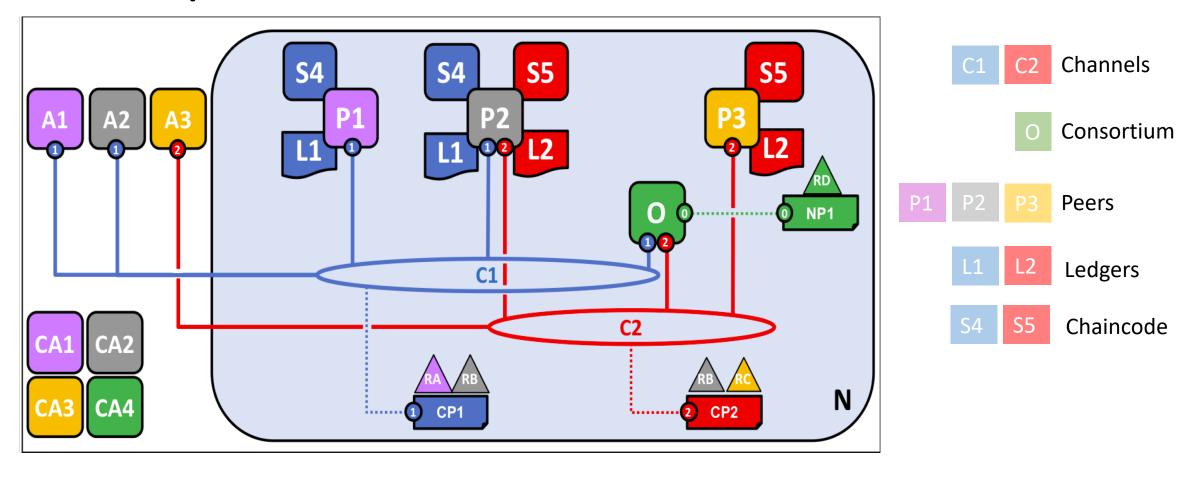


# Hyperledger Fabric



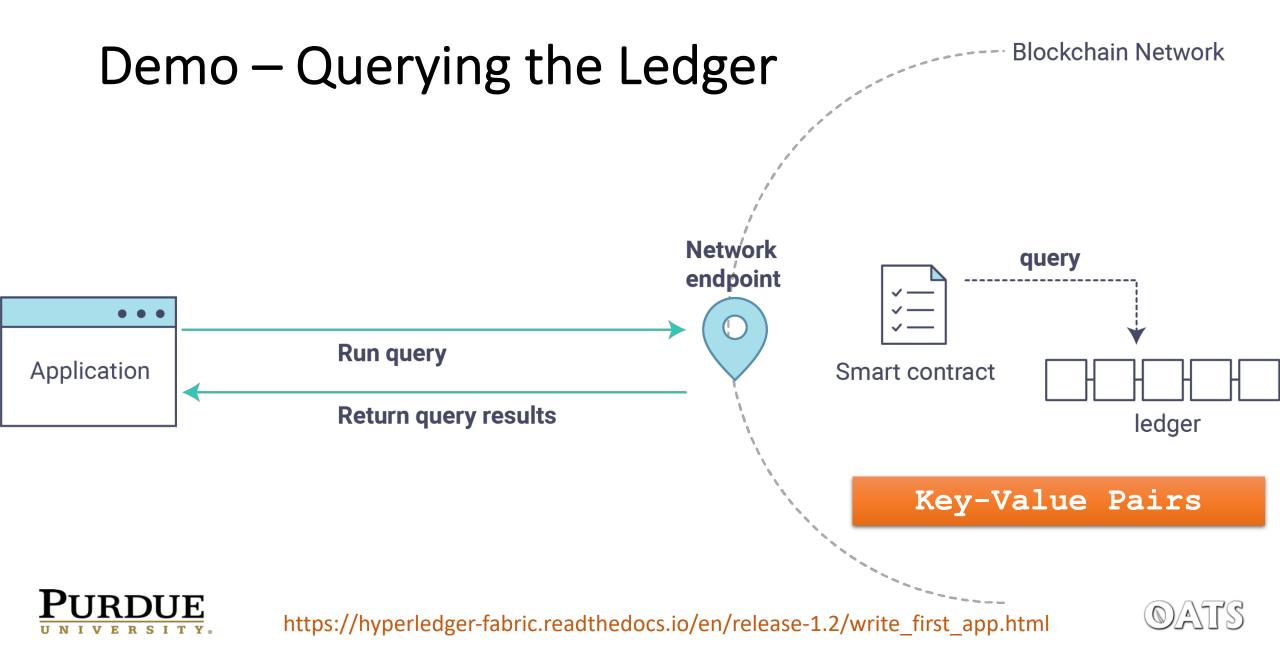


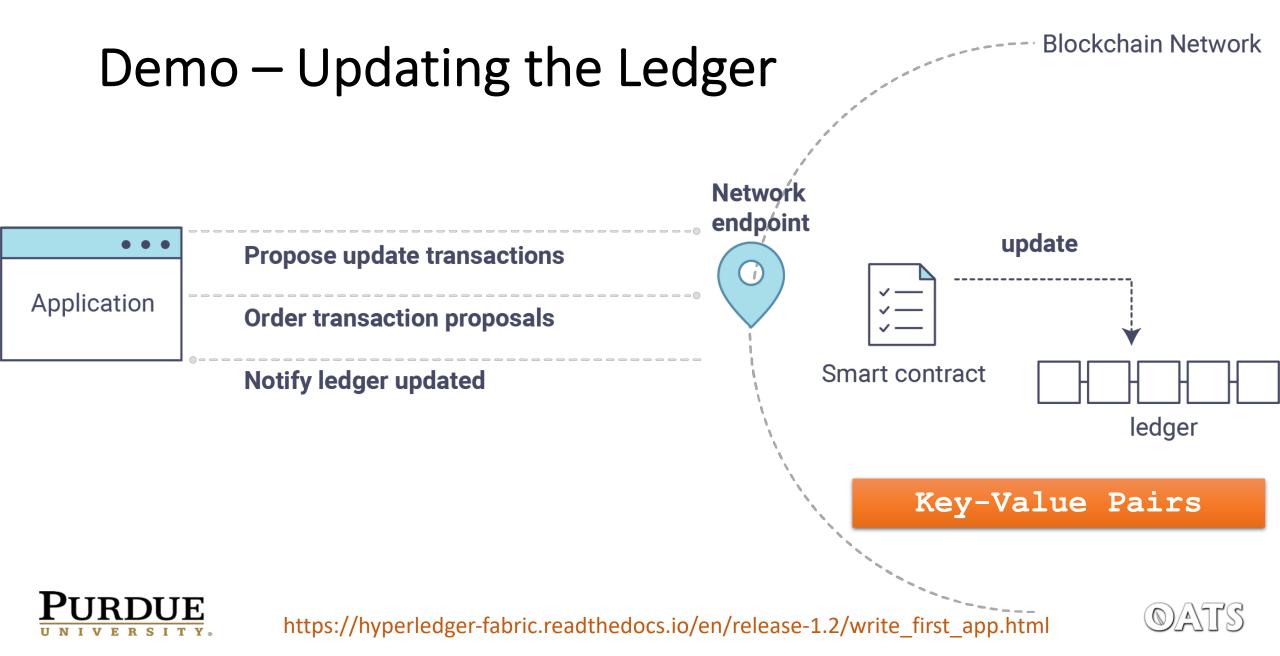
# Components of a Network











# IBM Food Trust (IFT) JavaScript API

#### Retrieving a certificate

```
const IFT = require("trellisfw-lib-ibmfoodtrust");
const debug = require("debug")("trellisfw-lib-ibmfoodtrust:index");
let ift = new IFT({
 organization_id: "OrganizationIdGoesHere",
 apiKey: "apiKeyGoesHere"
});
/* connecting to IFT framework * retrieving a certificate to the IFT */
return ift .getCertificate("certificateid")
           .then(response => { debug("[FETCHED]", response); })
           .catch(err => { debug("Error: Failed to getCertificate() to hyperledger.", err);
});
```



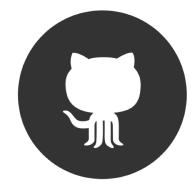


# IBM Food Trust (IFT) JavaScript API

#### **Creating a new certificate**







#### https://github.com/trellisfw/trellisfw-lib-ibmfoodtrust

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