

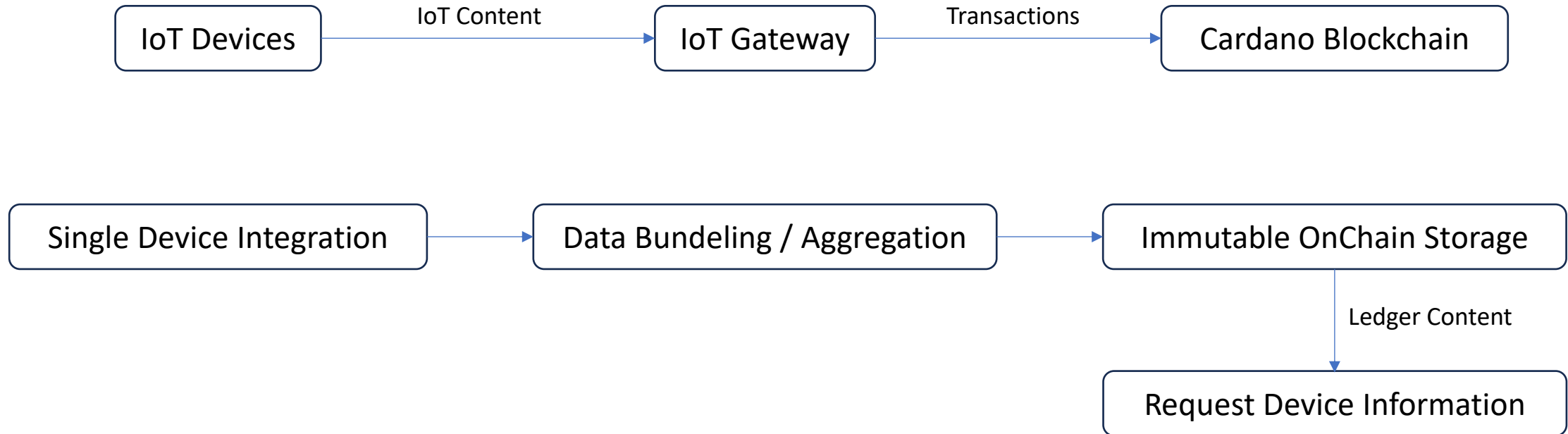
IoT Meets Blockchain

The Largest Open & Distributed IoT Network Powered by Cardano

Architecture Overview

- Flexible architecture connecting IoT devices to the Cardano blockchain
- Seamless device onboarding
- UTxO & aggregation for scalability
- Open API with simple access from any IoT device

Data flow from IoT device to blockchain



Key Metrics

- 1M+ messages per day
- Scaling to 10M+ messages/day
- Message cost: \$0.006 USD (Cardano network fee / aggregation effect)
- Supports millions of devices

Data structure on Cardano blockchain

```
"45813c01d7707cdf0864b72567c3a5aa": {  
  "mychannel": [  
    {  
      "time": "1754998618",  
      "data": [  
        "v2py2WFsTnVtYmVyZzEyMy42NTRtaW50ZWdlck5lbWJlcmY3NDEyNTkhdGV4dHJM",  
        "aWNodCB1bWdlc2NoYWx0ZXT/"  
      ]  
    },  
    {  
      "time": "1755001328",  
      "data": [  
        "v2py2WFsTnVtYmVyZjEyLjA4NWlpbnRlZ2ZyTnVtYmVyZDIzNTJkdGV4dGtEZWVw",  
        "IGNsb3NlZP8=""  
      ]  
    },  
    {  
      "time": "1755001398",  
      "data": [  
        "v2py2WFsTnVtYmVyZzEyLjA4OTZtaW50ZWdlck5lbWJlcmYyMzUyODlkdGV4dGtE",  
        "ZWVwIG9wZW5lZP8=""  
      ]  
    },  
    {  
      "time": "1755027402",  
      "data": [  
        "v2py2WFsTnVtYmVyZTEyLjk2bWludGVnZXJ0dWliZXJkMjMlNmR0ZXh0bERvb3Jz",  
        "IG9wZW5lZP8=""  
      ]  
    }  
  ],  
  "Channel 2": [  
    {  
      "time": "1755001465",  
      "data": [  
        "v2py2WFsTnVtYmVyZjE0Ljk2NWlpbnRlZ2ZyTnVtYmVyZTI2NTglZHRleHRxRGV1",  
        "cCBjbG9zZWQgc2dhaW7/"  
      ]  
    }  
  ],  
  "Channel 3": [  
    {  
      "time": "1755027290",  
      "data": [  
        "v2py2WFsTnVtYmVyZTEyLjk2bWludGVnZXJ0dWliZXJkMjMlNmR0ZXh0bERvb3Jz",  
        "IG9wZW5lZP8=""  
      ]  
    }  
  ],  
}
```

IoT Identifier

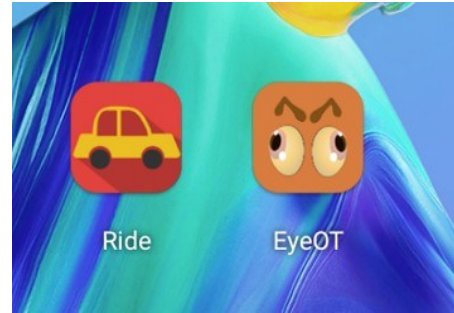
Channels

Content

Subchannels can be implemented in the content
Subchannels can be implemented as hierarchy

Sample Application

Demo App EyeOT to showcase send and receive



Activity Parameters

Channel
Channel 3

Password

Identity
45813c01d7707cdf0864b72567c3a5aa

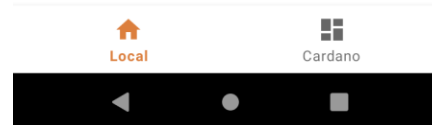


Enter a text

Enter a real number

Enter an integer

SEND



Local

Cardano



12.96312	5685	
		08/14/2025 18:16:07
TV stopped		
36.56	2596	
		08/14/2025 18:46:36
Light ON		
23.96	5685	
		08/15/2025 09:07:04
Doors closed		
12.96	9621	
		08/15/2025 10:28:25
Windows open		
123.963	258	
		08/15/2025 10:34:28
Windows up		
33	66	



Local

Cardano