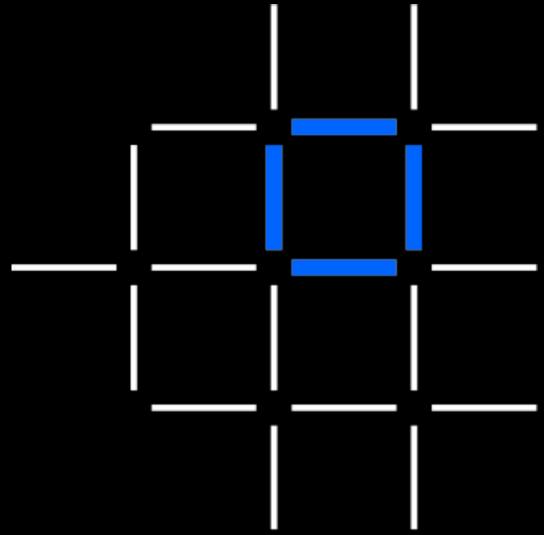
## Introduction to IBM Blockchain Platform and LinuxONE

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November 2020





# **The Opportunity**

IBM Z



Mission critical applications.

Industry-leading data privacy, security and resiliency.

Red Hat OpenShift



The enterprise compute platform for hybrid cloud.

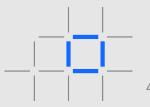
Open, containerized, scalable.

**IBM Blockchain Platform** 



Puts the enterprise at the heart of a business network.

Transactions, Trust, Transparency.



## IBM Blockchain Platform

Common development experience

One product, same capabilities across all platforms

Kubernetes agnostic platform & Multi-cloud deployment

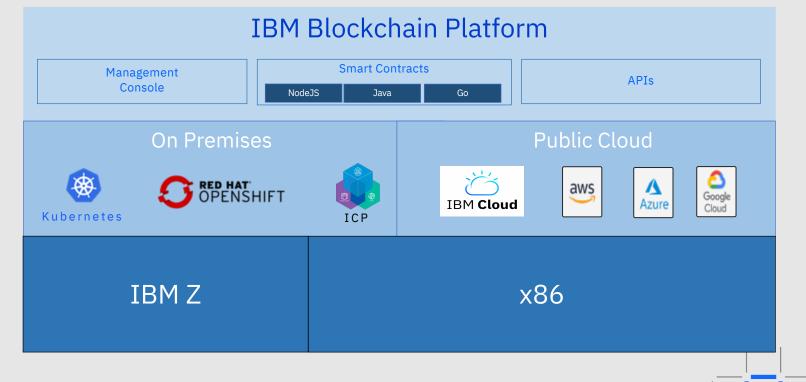
Multiple architectures



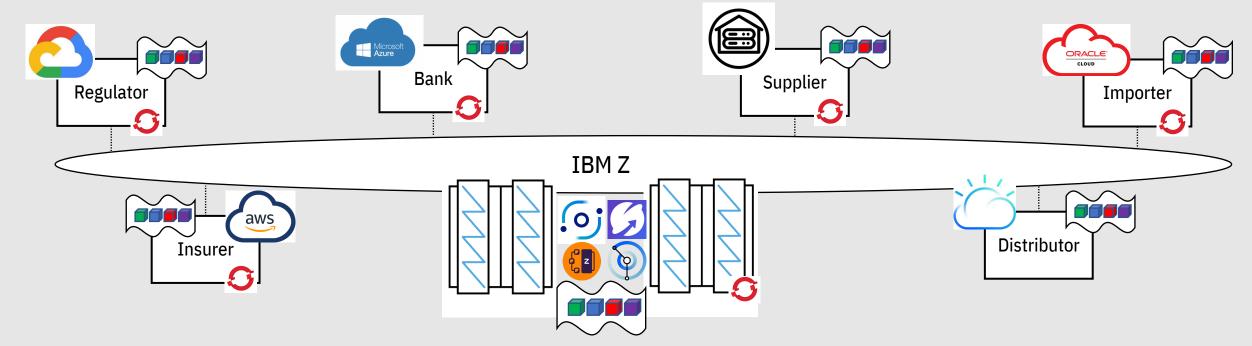


RED HAT\*
CODEREADY





## **Multi-Cloud Network**



### **Build smart contract APIs**

with your partners using a shared, distributed ledger of transactions

### **Modernize your IBM Z applications**

in support of a digital transformation with your business partners

### Implement a multi-cloud strategy

that extends and integrates your IBM Z subsystems and applications with different clouds

# Why IBM Blockchain Platform on IBM Z

## Security

incl. pervasive encryption

- Securing the Enterprise (keys, crypto enhancements)
- Cryptographic hardware acceleration
- Complete data encryption
- FIPS 140-2 Level 4 HSM

## Co-location efficiency

for workload integration

- Performant communication
  - Minimal latency
  - Less network traffic
  - Processing next-to data
- Operational efficiency
  - Same admin arrangements
  - Resource sharing
  - Live virtual server migration
- MQ Integration with transaction systems, like IBM CICS or IBM Db2

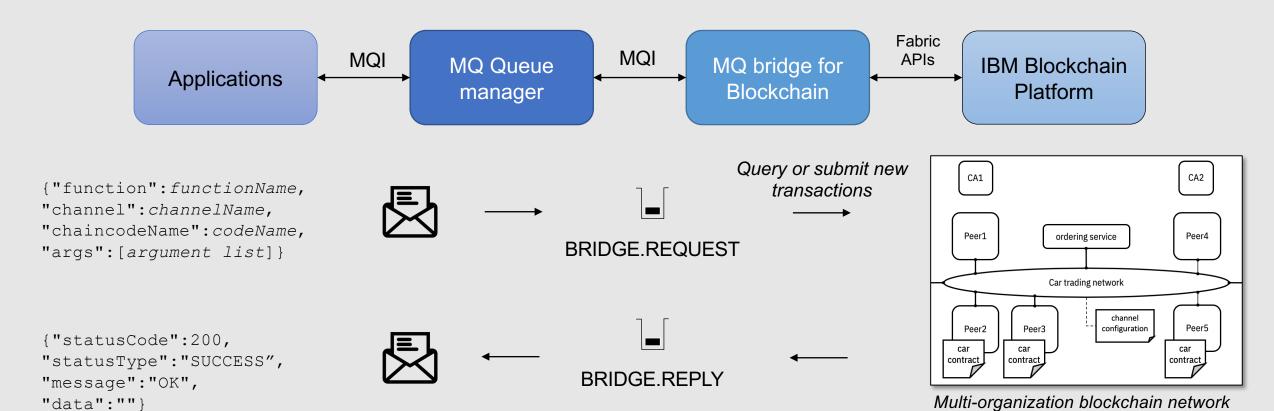
## Qualities of service

Reliability, Availability, Serviceability

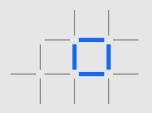
- Self-checking and selfrecovery capabilities
- Concurrent replace, repair, and upgrade
- Near-continuous availability and disaster recovery
- Multi-cloud Flexibility

# The MQ Bridge for Blockchain

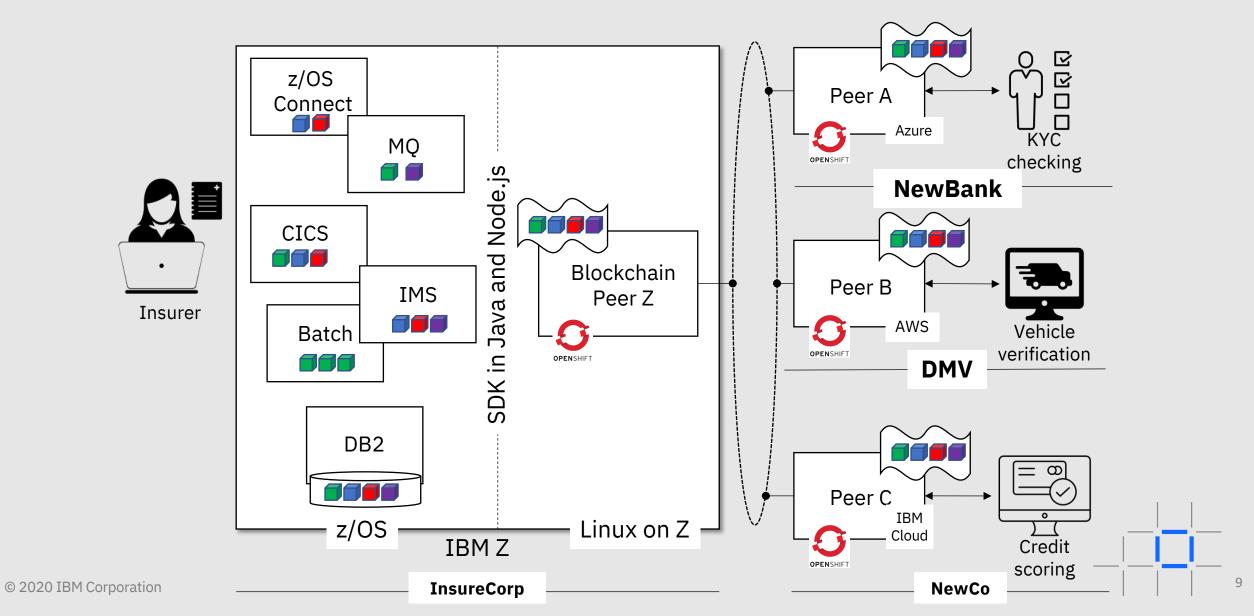
## Provides a direct link from MQ to the IBM Blockchain Platform



- Part of MQ v9.1.4; requires MQ Advanced queue managers of at least v9.0.3
- Flexible connection options allow you to fine-tune the data that is shared
  - Configure multiple bridge instances for high availability or additional identities



# z/OS Subsystems Connectivity



## The Value of an Opportunity

### IBM Z



### Linux on Z

- Performance
- Security
- Integration

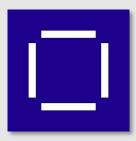
## Red Hat OpenShift



## **Cloud Paks**

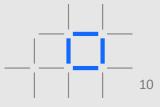
- Cloud Pak for Applications
- Cloud Pak for Integ

### **IBM Blockchain Platform**



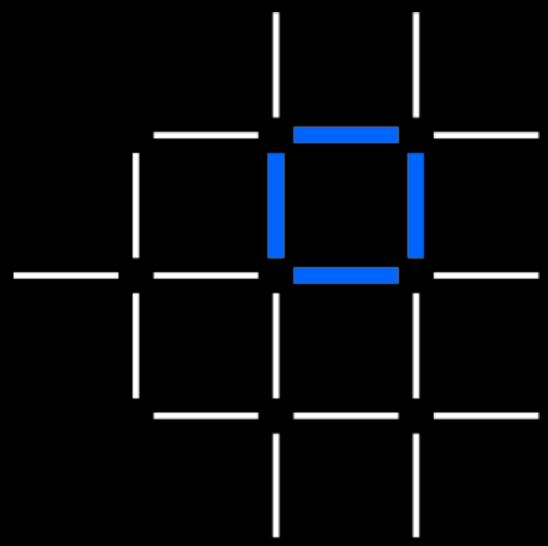
### IBM Blockchain Platform

- Services
- Platform Linux on Z PID



# **Thank You!**

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