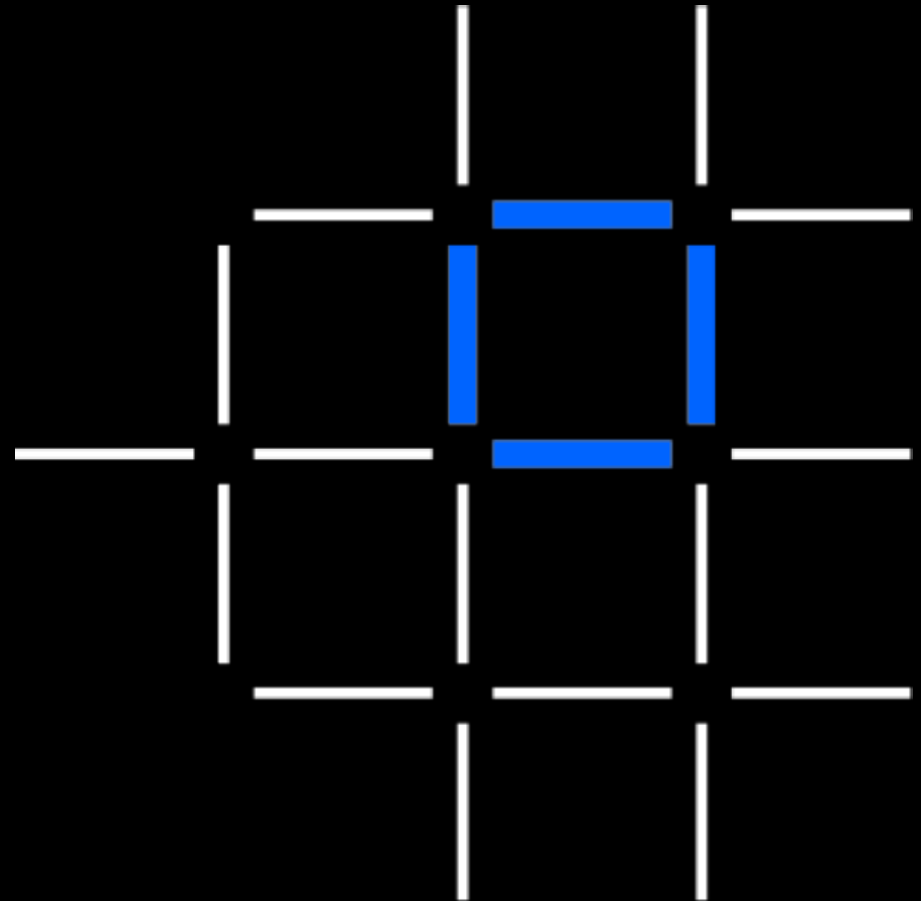# IBM and Blockchain

Module 3 of IBM Blockchain Essentials

Presented by
Matthew Golby-Kirk

Global Blockchain Engagement,
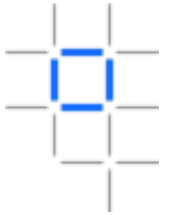IBM

IBM **Blockchain**

How **IBM can help**

The certainty to solve business challenges together

Security at Scale

Enterprise-grade security and control on a platform where businesses and industries are reinventing themselves
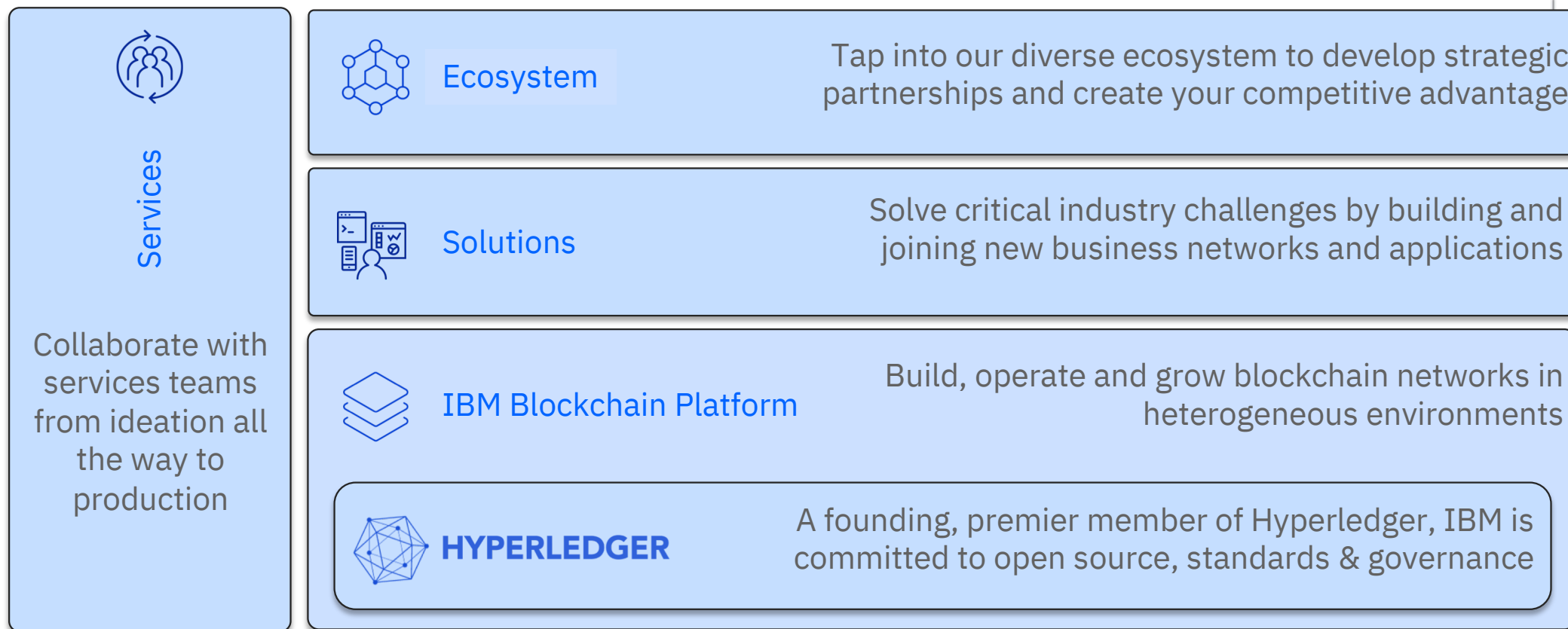
Trusted Expertise

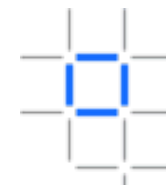Reinventing business processes through unrivaled industry and technical knowledge as you start, accelerate and innovate your blockchain network.

Network Convening Power

Bringing together an expansive partner network of innovators, regulators and suppliers to establish, join or run your blockchain network.

IBM **Blockchain**

IBM

IBM's end-to-end **Blockchain Strategy**

Services

Collaborate with services teams from ideation all the way to production

Ecosystem
Tap into our diverse ecosystem to develop strategic partnerships and create your competitive advantage

Solutions
Solve critical industry challenges by building and joining new business networks and applications

IBM Blockchain Platform
Build, operate and grow blockchain networks in heterogeneous environments

HYPERLEDGER
A founding, premier member of Hyperledger, IBM is committed to open source, standards & governance

IBM **Blockchain**

IBM

IBM **Blockchain Platform**

Advanced tooling
allows you to quickly
build, operate and grow
blockchain networks

Build	Operate	Grow

Open technology
uses the popular
Hyperledger Fabric
distributed ledger

HYPERLEDGER FABRIC

Deploy anywhere
fully managed, or flexible
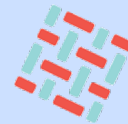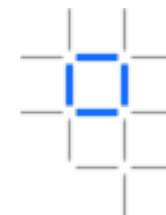deployment on-premises or
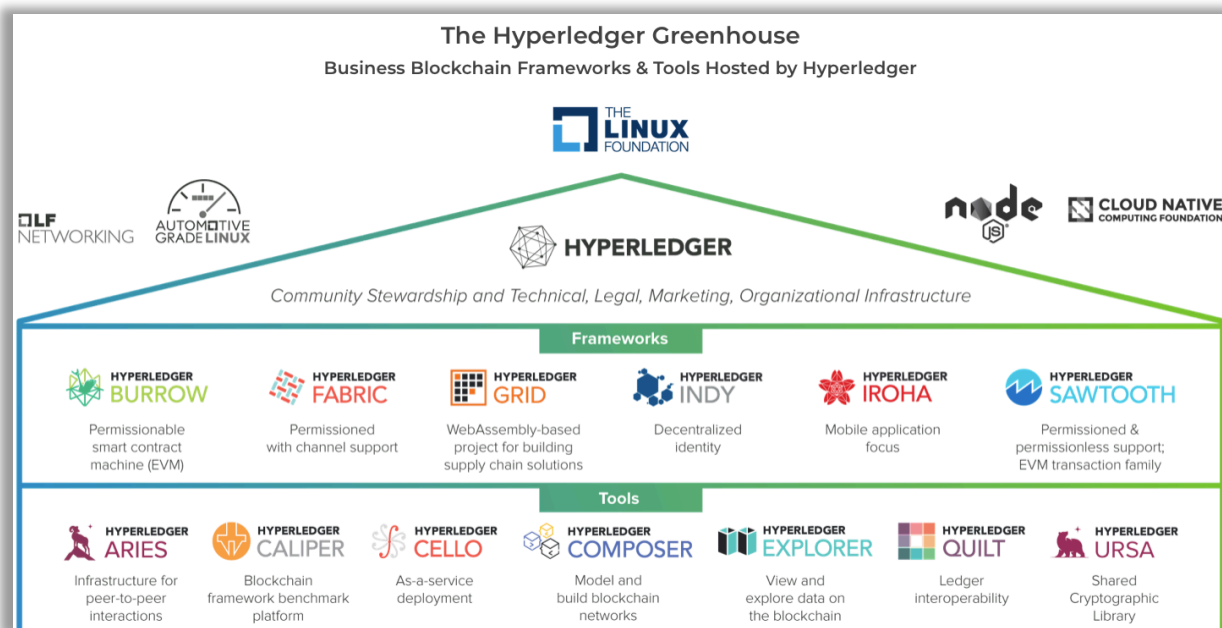on other cloud vendors

IBM Cloud | On-Premises | Other clouds
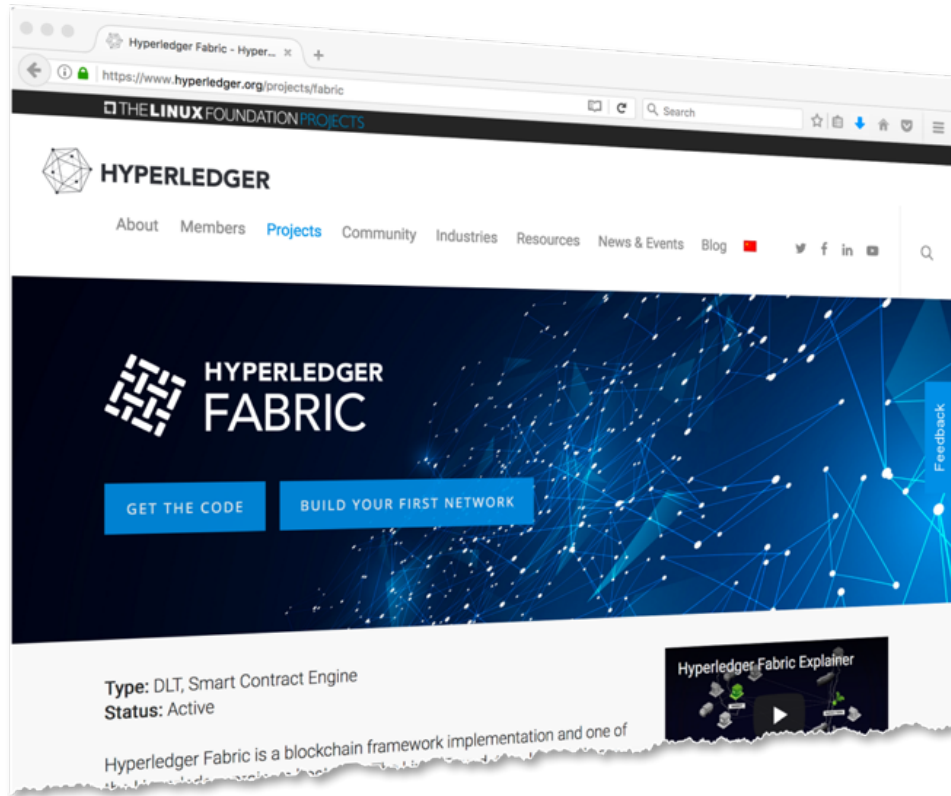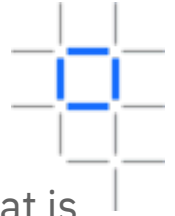
Hyperledger: A **Linux Foundation** project

- IBM Blockchain Platform is underpinned by technology from the Hyperledger project

- Founded February 2016, Hyperledger is an open source collaborative effort created to advance cross-industry blockchain technologies

- The Hyperledger Greenhouse includes many projects that anyone can freely use and contribute to

- Open source
  Open standards
  Open governance model

The Hyperledger Greenhouse
Business Blockchain Frameworks & Tools Hosted by Hyperledger

THE LINUX FOUNDATION

LF NETWORKING   AUTOMOTIVE GRADE LINUX   HYPERLEDGER   node   CLOUD NATIVE COMPUTING FOUNDATION

Community Stewardship and Technical, Legal, Marketing, Organizational Infrastructure

Frameworks

HYPERLEDGER BURROW	HYPERLEDGER FABRIC	HYPERLEDGER GRID	HYPERLEDGER INDY	HYPERLEDGER IROHA	HYPERLEDGER SAWTOOTH
Permissionable smart contract machine (EVM)	Permissioned with channel support	WebAssembly-based project for building supply chain solutions	Decentralized identity	Mobile application focus	Permissioned & permissionless support; EVM transaction family

Tools

HYPERLEDGER ARIES	HYPERLEDGER CALIPER	HYPERLEDGER CELLO	HYPERLEDGER COMPOSER	HYPERLEDGER EXPLORER	HYPERLEDGER QUILT	HYPERLEDGER URSA
Infrastructure for peer-to-peer interactions	Blockchain framework benchmark platform	As-a-service deployment	Model and build blockchain networks	View and explore data on the blockchain	Ledger interoperability	Shared Cryptographic Library

IBM **Blockchain**

IBM.

Distributed ledger

- An implementation of blockchain technology that is a foundation for developing blockchain applications

- Emphasis on ledger, smart contracts, consensus, confidentiality, resiliency and scalability.

- Long Term Service release available, with emphasis on production operational and serviceability enhancements; new programming model abstractions for ease of development and RAFT consensus available

- IBM is one of the many contributing organizations

IBM **Blockchain**

Continuing your **blockchain journey**...
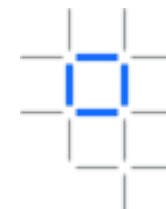
Business Stakeholder

- Turn your blockchain strategy into tangible business outcomes.
- Request a free Discovery Workshop & talk to our experts

➡️ ibm.com/blockchain/services

Solution Architect

- Learn about blockchain use-cases and references
- Find out more about existing blockchain solutions
- Join an existing network

➡️ ibm.com/blockchain/use-cases

Developer

- Learn more about IBM Blockchain Platform
- Ready to start developing and testing? Signup and try-out the IBM Blockchain Platform

➡️ ibm.com/blockchain/platform

IBM **Blockchain**

IBM

Summary
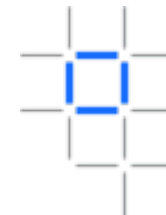
- **Hyperledger** is a Linux Foundation project building blockchain technologies for business

- IBM Blockchain Platform adds **build**, **operate** and **grow** capabilities to Hyperledger Fabric

- IBM Blockchain Platform can be deployed in **multi-cloud** environments as well as **on-premises**

- IBM is helping customers throughout their entire blockchain journey

IBM **Blockchain**

Thank you

Presented by
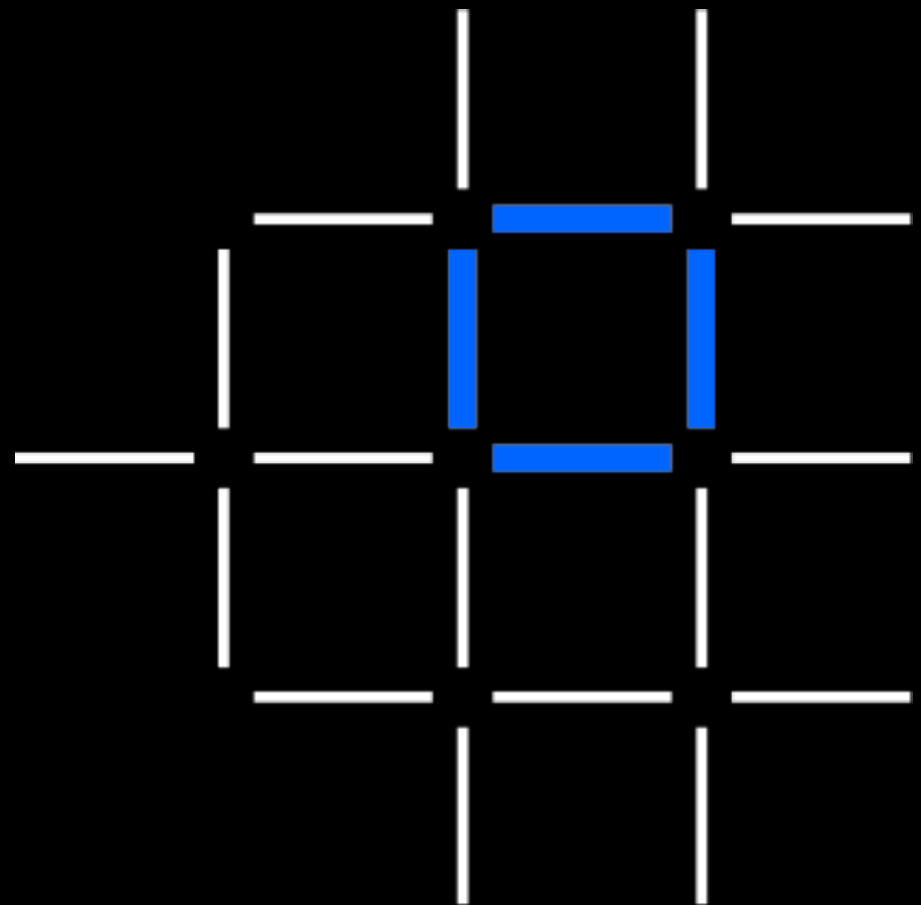Matthew Golby-Kirk

Global Blockchain Engagement,
IBM

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to ibm.com/blockchain

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