

Hyperledger is an open source collaborative effort created to advance cross-industry blockchain technologies hosted by the Linux Foundation.

It is a global collaboration including leaders in finance, banking, healthcare, supply chains, manufacturing and technology. We are a community of many enterprise blockchain technology projects including distributed ledger frameworks, smart contract engines, client libraries, graphical interfaces, utility libraries and sample applications. Hyperledger was first launched in December 2015.



121,178Hyperledger Project
Contributions to Date



65,750Hyperledger Meetup
Members



196,592
Registrations for
Hyperledger blockchain
courses at EdX

Hyperledger Overall Growth



55+
New Members
Added in the Last
12 Months



62,800+
Twitter
Followers



1.7M+Web Pages
Viewed in 2019



165,000+ Views on the Hyperledger Blog in 2019

Hyperledger Fabric is now available on all major clouds























New Premier Member Snapshot



New General Member Snapshot









60+ Associate Members Including Academia





University of Nicosia was the very first University to offer a degree in Hyperledger.

The Enterprise Ethereum Alliance joined as an associate member and is a true example of Hyperledger building a bridge with the Ethereum community. With hundreds of member companies combined, the EEA and Hyperledger communities represent a wide variety of business sectors from every region of the world.

Adoption & End-Users

Prominent Use Cases





AEROSPACE



Walmart implemented blockchain technology to help decentralize the food supply ecosystem.

In fact, it has recently announced that it will start requiring all of its suppliers of fresh leafy greens (like salad and spinach) to trace their products using the system.

Key results:

 Walmart can now trace the origin of over 25 products from 5 different suppliers using a system powered by Hyperledger Fabric. Honeywell created an Amazon-type marketplace for used aircraft parts using Hyperledger Fabric.

Key Results:

- \$4 million in sales in less than a year
- More than 50 vendors with storefronts in the new marketplace
- Purchase time reduced from days to minutes
- Future boost to anti-counterfeit measures

The government of British Columbia wanted to create an open software stack that helped business people establish trusted and enduring digital relationships to help governments cut red tape.

Key results:

- First demonstration project, Orgbook BC, announced January 2019
- Includes digital IDs for 529,000 companies and 1.4 million credentials
- Similar services coming soon from other jurisdictions

Companies Actively Building Products and Services Powered by Hyperledger



































































































Hyperledger Conferences & Events



- 737 Attendees from 57 countries
- 492 companies represented with
 145 members
- 332 CFP submissions
- 12 Diversity scholarships provided
- Attendance 83% male, 15% female
- Diversity Happy Hour with 200 attendees



- Tokyo, Japan
- 162 attendees from 94 member companies

Training & Certification

Official Hyperledger Certified Service Providers

Hyperledger announced its Certified Service Provider (HCSP) program in November 2019 to support the work of organizations that are helping enterprises adopt Hyperledger. The HCSP program offers service providers from around the world training and professional certification that ensures each member has the mastery to install, configure, operate, manage and troubleshoot networks built on Hyperledger distributed ledger technologies (DLTs). HCSPs for Hyperledger Fabric include:















Launched Certified Hyperledger Fabric Administrator (CHFA) exams & Launched Certified Hyperledger Sawtooth Administrator (CHSA)

> **540**+ Registrations



Certified Hyperledger Fabric Developer (CHFD) exam

> 2020 Coming in Q1

edX Course Enrollment



Introduction to Hyperledger Blockchain **Technologies (LFS171x)**

141,962

Enrollments (launched October 2017)



Blockchain: Understanding Its Uses and Implications (LFS170x)

54,630

Enrollments (launched August 2018)

4 New eLearning Courses Launched in 2019









Hyperledger Fabric Administration (LFS272)

Hyperledger Sawtooth Administration (LFS273)

Hyperledger Sawtooth for Application
Developers (LFS174x)

Identity in Hyperledger: Indy, Aries and Ursa (LFS172x)

Coming Up

Becoming an Indy and Aries Developer (LFS173x)

Coming early 2020

Hyperledger Fabric for Developers (LFD272)

Paid elearning course coming January 2020

Training Partners



















Hyperledger Project Updates & Milestones

At a Glance



15 Projects



1,623Contributors to Date



121,178Contributions to Hyperledger Projects to Date

Milestones



V1.4 LTS



1.2



1.0



Production Ready



Production Ready

New Projects













Hyperledger Labs Data



25 Labs proposed



20Labs accepted



1 Labs graduated to project

Community Events

Meetup Events



170+ Meetup Groups



78 Countries



348 Meetup Events in 2019



64,412 Meetup Members

Speaker Bureau Highlights



64 Active Hyperledger Member Speakers

Hyperledger's speaker bureau program has more than doubled in size since 2018. Community speakers spoke at more than 15 events, including Consensus, Blockchain Expo Global, Open Source Summit Europe, The Next Web Hard Fork and Blockchain Revolution Global

Hyperledger Labs Data



17
Intern Projects



25Mentors



Mentees



19,000% Increase in pool of applicants from 2017 to 2019

The Hyperledger Mentee/Mentor Program provides a structured path to raise awareness of Hyperledger at academia, onboard young diverse developers, and it offers the mentorship opportunity to those in the community who desire to teach and guide new developers.

Community Engagement

A Hyperledger Special Interest Group (SIG) is a community focused on a particular industry sector or activity with a shared interest in advancing a common understanding of how blockchain technology in general, and Hyperledger technology in particular, may be applicable. SIGs differ from Hyperledger Working Groups (WG) in that WGs are focused on the development of the Hyperledger software projects and are not tied to a specific sector



1,819Participants Across
All SIGs



14 WGs & SIGs



1,801
Participants Across
All WGs

4 New SIGs Launched



Capital Markets



Telecom



Supply Chain



Education Architecture

2 New WGs Launched

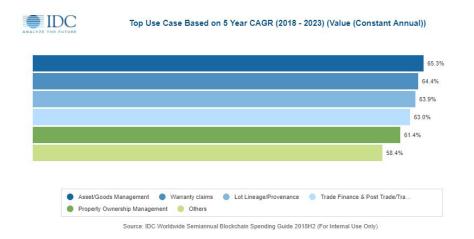


Smart Contracts



Diversity, Civility, and Inclusion

Blockchain Industry By the Numbers



Based on 2019 Deloitte's global blockchain survey, nearly 1 in 5 companies are currently using blockchain.

IDC predicts blockchain spending in 2019 is forecast to be \$2.7 billion, an increase of 80% over 2018. Further, the analyst firm forecasts blockchain solutions will hit

\$15.9 billion market in 2023.

APAC & International Growth

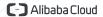
APAC Premier Member Snapshot







APAC General Member Snapshot













Events

1st Ever Hyperledger Bootcamp in Hong Kong



130+Participants from 12
Geographies



66%Technical
Participants



58%Developers
& Architects



8%Tech Decision
Makers

19+ session leaders:

Maintainers & Contributors of Hyperledger Caliper, Cello, Fabric, Indy, Iroha, Sawtooth, Ursa

Hosted first-ever meetup with ConsenSys in China

Hyperledger Executive Director, Brian Behlendorf spoke at Innovation Summit ASIA Economist event in Hong Kong

Certification/Training

Alibaba Ant Financial became the 1st HCSP in APAC and the 2nd in the world Hyperledger announced its 1st training partner in South-East Asia

Meetups

2 new International Meetups launched: India & Brazil



The India chapter has already ran a National India Meetup over the summer and are planning a second one for November 2019. This is a coordinated regional virtual meeting that ties together local meetup groups around the country to share and learn together.



PR and Media Highlights



24,362Articles mentioning Hyperledger





Hyperledger tech powers
50% of the Forbes
Blockchain 50

General member, Elemential
Labs, based in India
received recognition for
its Hyperledger blockchain
based product, on Forbes
Top 30 under 30 Asia

Big Member News



Forbes

Salesforce Rolls Out Blockchain Builder for Noncoders Software Giants Microsoft and Salesforce Flock To Hyperledger Blockchain Consortium

Powering Cutting Edge Use Cases









NASA Publishes
Proposal for Air Traffic
Management Blockchain
Based on Hyperledger

Visa looks to speed up cross-border payments with new network launch

Volkswagen Group joins responsible sourcing network Blockchain startup processes \$1 billion in trade finance



Ford and IBM pilot blockchain platform for minerals supply chains



Lamborghini Now Uses
Salesforce Blockchain to
Certify Heritage Cars



Education orgs, IBM launch blockchain credentials to close skills gap

Hyperledger Projects in the News







Linux Foundation Readies
Hyperledger Fabric
for Enterprise-Class
Blockchain Apps



Google, Hyperledger launch online identity management tools



Blockchain Consortium
Hyperledger Releases
Hyperledger Iroha 1.0



Hyperledger Announces
Aries, a Toolkit for
Blockchain-Based
Identity Management



Hyperledger Transact simplifies distributed ledger development



Hyperledger Besu brings
public blockchain to
enterprise



Improving Blockchain
Performance Off-Chain,
Hyperledger Announces
Avalon

State of the Ledger

In 2019, we continued to see an impressive amount of deployments of Hyperledger technologies across various industries. The majority continued to be early adopters, but that is not to say that large corporations did not take notice. Major production networks are now in place covering use cases ranging from trade finance and KYC to supply chain traceability to self-sovereign identity networks. Our identity project, Hyperledger Indy, graduated to 'production ready' active status, and we have seen an outpouring of digital identity business solutions come to market.

The professionalization of blockchain matured further at Hyperledger through the expansion and growth of professional certification programs. Hyperledger launched the certification program for administrators for Hyperledger Fabric and Sawtooth and kicked off the Hyperledger Certified Service Provider Program. Several new Working Groups and Special Interest Groups were also formed to help foster deeper discussions and collaboration within the community. Hyperledger technologies are now available as managed blockchain-as-a-service offerings across all major cloud providers – offering technologists a variety of options in how they build, scale and manage their blockchain networks. Salesforce and Microsoft became general members of Hyperledger, proving their investment in the technology and commitment to open source.

We also made great strides on interoperability, driven in part by ConsenSys' contribution of Hyperledger Besu, the first blockchain project submitted to Hyperledger that can operate on a public blockchain. Besu represents the growing interest of enterprises to build both permissioned and public network use cases for their applications. The launch of Facebook's Libra also resurfaced many questions around cryptocurrencies and their potential in fixing the current internet payment infrastructure. We see interoperability between Hyperledger projects only growing stronger over the next year and beyond.

In 2020, we will most likely move beyond the early adopters and see many large, credible enterprises setting up networks or joining consortiums in order to keep doing business with their clients. In fact, by the end of this year, Walmart is requiring all of their leafy green vegetables suppliers to be on the Food Trust blockchain network, which is powered by Hyperledger Fabric. Finally, discussions around governance, scaling and managing these networks is far from over, and neither is the conversation about which platform or set of technologies is ideal for a particular use case.