

Open Source is essential to technology innovation

Jim Zemlin, Executive Director, Linux Foundation

 THE **LINUX** FOUNDATION

Open source is one of the most
successful enablers of global
innovation in history

Open means open:

- › **Open source can originate anywhere**
 - › In dorm room in Finland: Linux
 - › In a University in the US: Apache
 - › In the world's largest telco in China: ONAP (Open-O)
- › **Open source is distributed everywhere**
 - › The global internet makes distribution instant and global
- › **Anyone can participate**
 - › All these projects were quickly picked up and collaborated on all over the world
- › **Everyone benefits**
 - › Billions of users, companies, and countries benefit from this code under and open source license

This is a global movement that works.

Meet a few of the people who have been there from the most early days this week:



Linus Torvalds

Creator of Linux and Git,
and 17th of Time
Magazine's **100 Most
Important People of the
Century.**



Brian Behlendorf

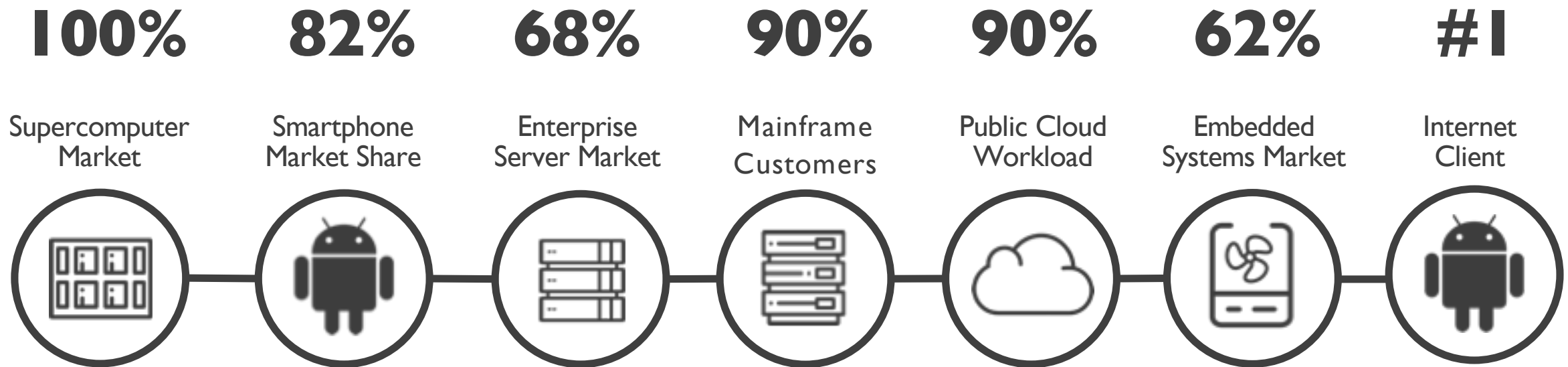
**Primary developer of the
Apache Web server and
creator of Apache
Software Foundation,** MIT
Technology Review top 100
innovators in the world
under the age of 35, former
CTO of the World
Economic Forum,
entrepreneur and tech
investor.



Dan Kohn

**Conducted the first secure
commercial transaction on
the web in 1994.** Former
investor, and entrepreneur is
now the Executive Director of
the Cloud Native Computing
Foundation

Linux has grown into the most important software platform in the world



Linux eventually dominates every market it enters

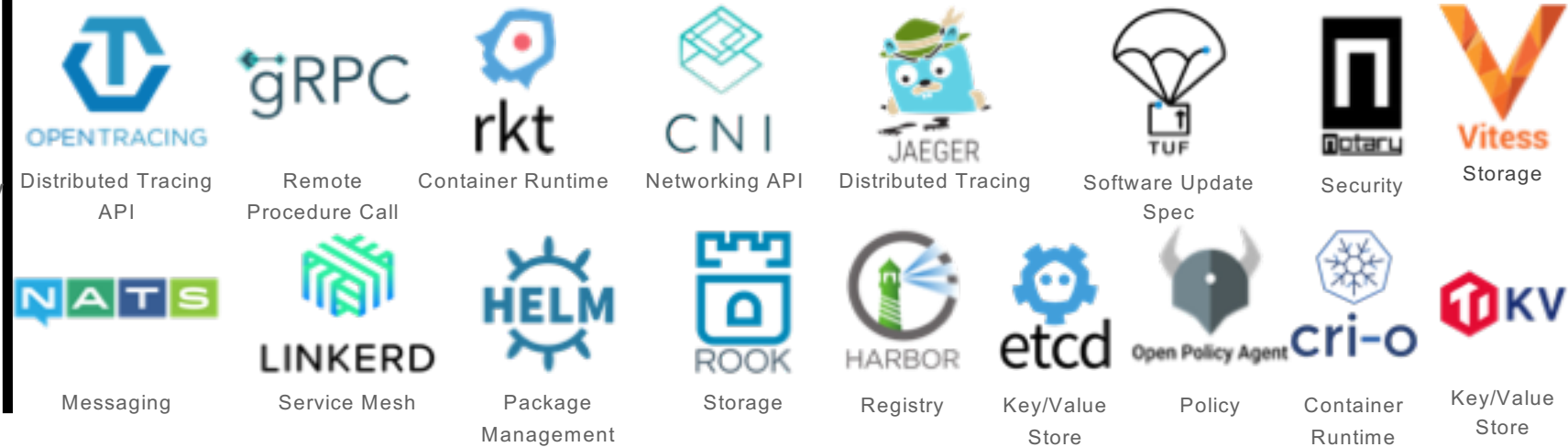
More than Linux: Cloud Native Computing Foundation

- Nonprofit, part of the Linux Foundation; founded Dec 2015

Graduated



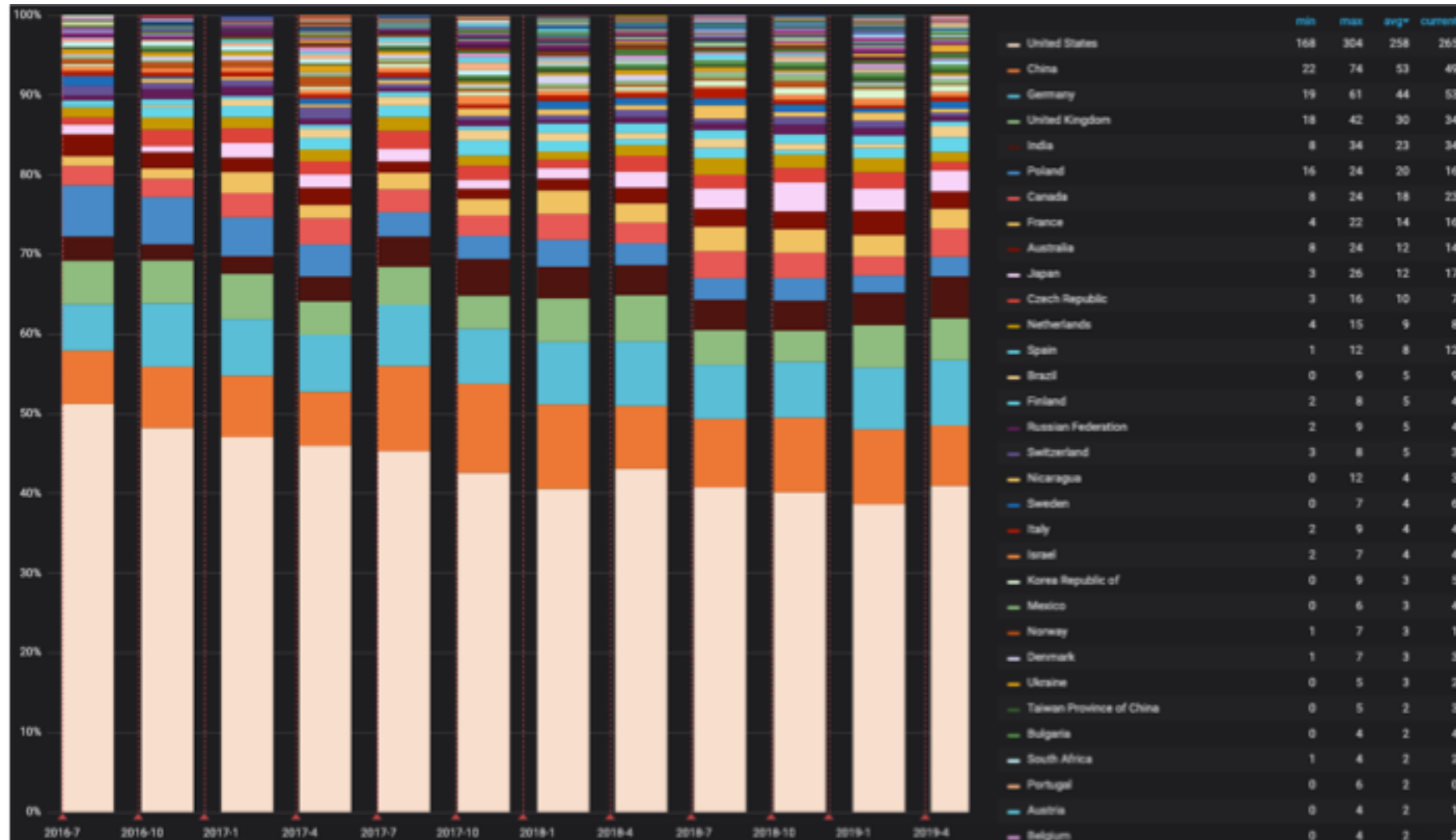
Incubating



- Platinum members:



China is the #2 Contributor to Kubernetes*



* As well as many other CNCF projects, including 3 that started in China

Chinese Engagement with CNCF

- › Over 10% of CNCF members are from China, including 16% of platinum members and 35% of gold members
- › 26% of Certified Kubernetes vendors
- › 19% of Kubernetes Certified Service Providers
- › 32% of Kubernetes Training Partners

Chinese Membership

November 2015

1 Platinum



June 2019

3 Platinum



6 Gold



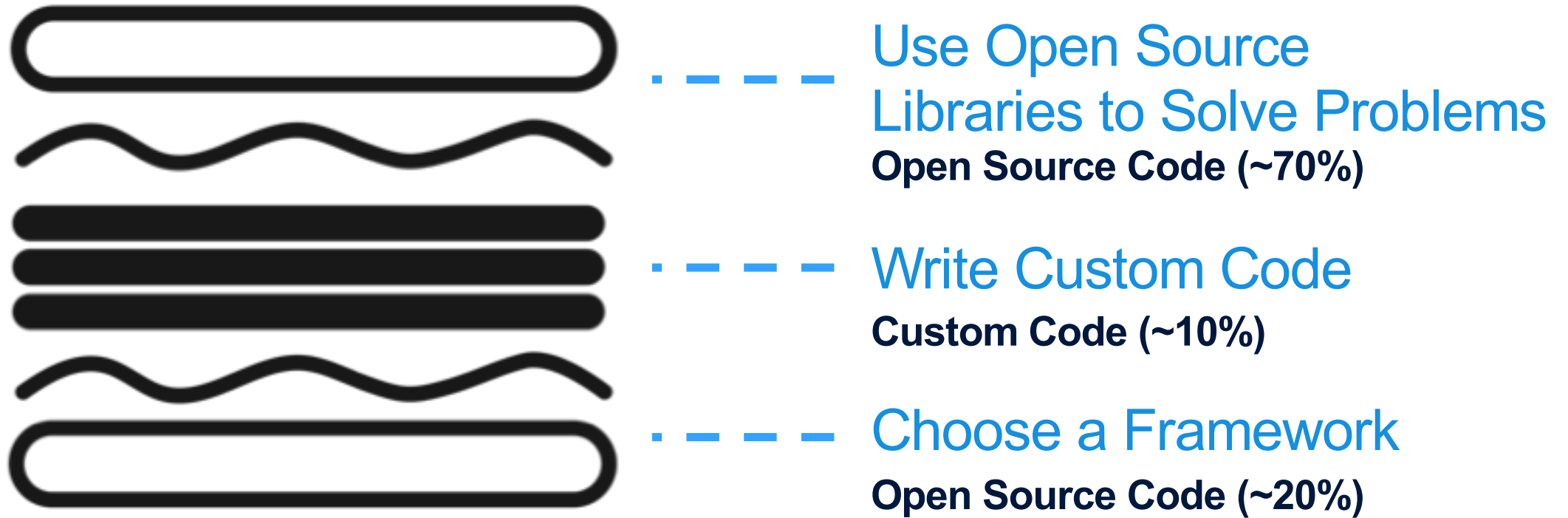
37 Silver and Other



New CNCF Gold Member



Today open source generally comprises 80-90% of a modern system's total codebase



Today the Linux Foundation is much more than Linux...

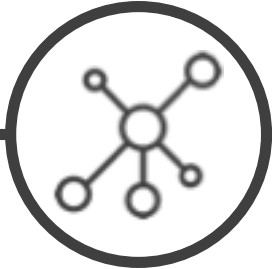
Security



We are securing the internet as home to world's largest certificate authority securing 100M web sites.



Networking



We are home to 9 of the top 10 open source networking projects in the world backed by the majority of global network providers.



Cloud



We are creating a portability layer for the cloud, driving standards and developing reference tools for cloud native development.



Automotive



Our Automotive Grade Linux platform is backed by 12 automakers and is either in or slated for production in millions of vehicles worldwide.



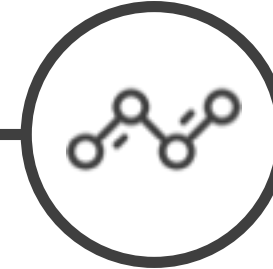
Blockchain



We are creating a permanent, **secure** distributed ledger that makes it easier to create cost-efficient, decentralized business networks.



Edge/Embedded



We are creating projects used in building the majority of embedded Linux distributions and rationalizing edge computing.



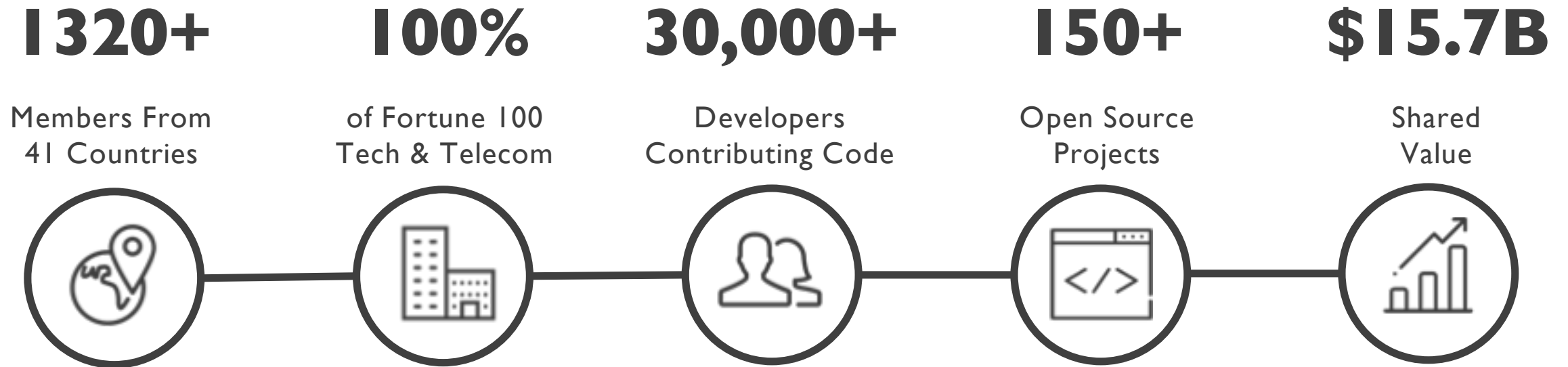
Web



We are providing the application development framework for next generation web, mobile, serverless, and IoT applications.



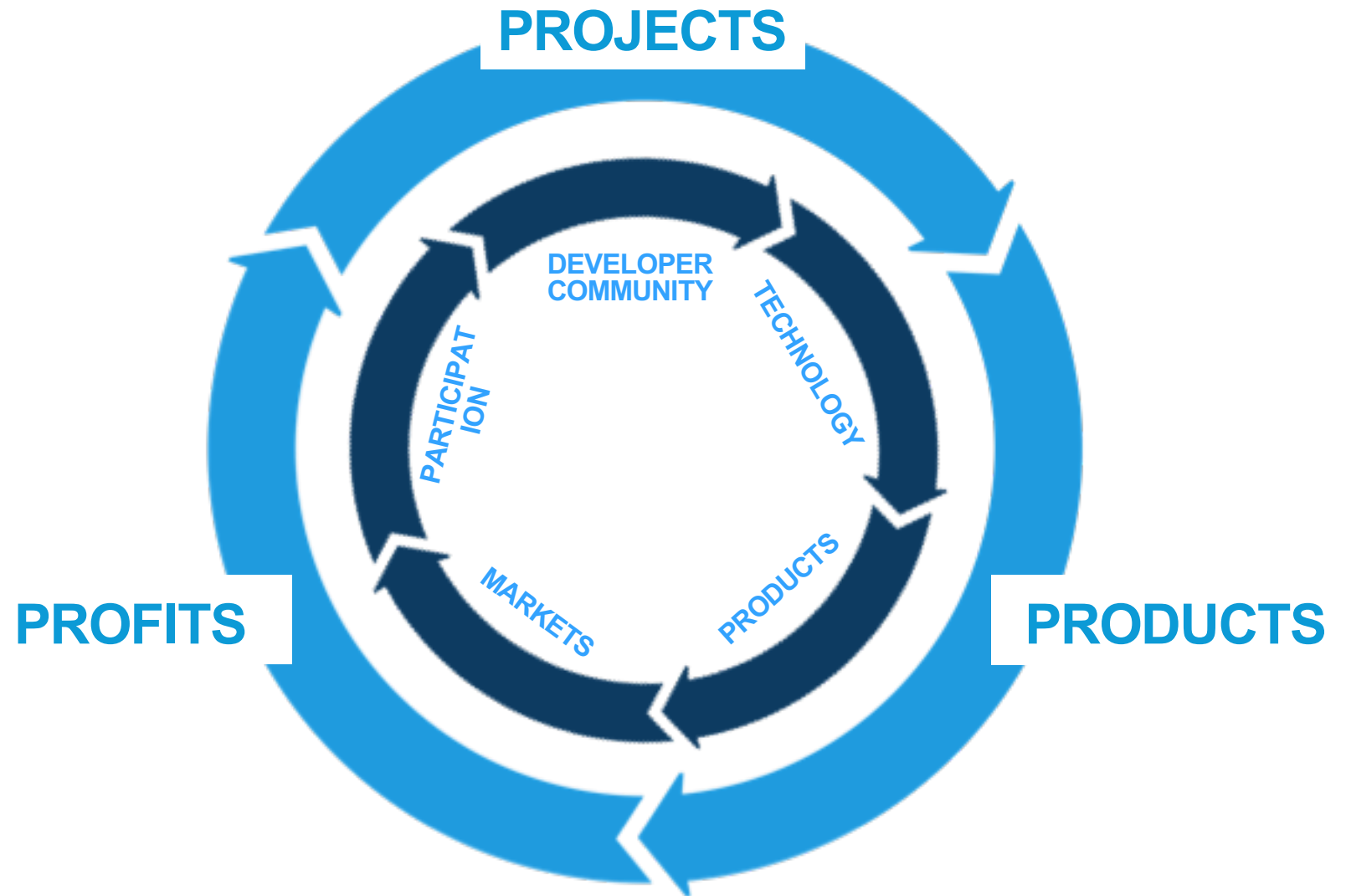
The Linux Foundation is a critical part of the tech ecosystem



A new member joins the Linux Foundation every day

Open Source Ecosystems Create Sustainable Value

Successful projects depend on members, developers, standards and infrastructure to develop products that the market will adopt



Open source is not a zero sum game:
You can help yourself while helping others at
the same time



- › **Federated AI Technology Enabler**
- › **An Industrial Grade Federated Learning Framework designed to support federated learning architectures and secure computation of ANY machine learning algorithms.**
- › **“As a system for Data Cooperation and Privacy-preserving, open source would be the best and even only option for solving the multi-party trust problem which will promote cooperation greatly,” said Prof. Qiang Yang, Chief Artificial Intelligence Officer of WeBank, Chair Professor of HKUST.**
- › *FATE is an open, equal, and inclusive federation learning corporative community.*
- › *Welcome to join us @ <https://github.com/WeBankFinTech/FATE>*

Learning portal for Linux Foundation Open Source Software University is Online Now!



You can schedule your CKA Exam in major cities in China Now!

https://training.linuxfoundation.cn/certificate/details/1

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报名信息



Kubernetes 管理员认证 (CKA)

Kubernetes 管理员认证 (CKA) 计划的目的是提供 CKA 管理员具有执行 Kubernetes 管理员职责的技能、知识和能力的保证。CKA 现有二种考试方式可供选择：线上考试-英文监考官 (考试编号：CKA) 和考试中心-中文监考官 (考试编号：CKA-CN-TC)

价格：¥2165.00

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相关课程

■ Kubernetes 基础课程 (LFS258)

(证书考试预备课程)

概述

认证 Kubernetes 管理员 (CKA) 计划由 Linux 基金会和云原生计算基金会 (CNCF) 创建，作为他们为帮助开发 Kubernetes 生态系统而不断努力的一部分。作为速度最快的开源项目之一，Kubernetes 的使用正在爆炸式增长。

此考试没有必备条件。

KubeCon + CloudNativeCon

- › North America 2019
 - › [San Diego](#): November 18-21, 2019
 - › [Sponsorships](#) & [CFP](#) open
- › Europe 2020
 - › Amsterdam: March 30-April 2, 2020



Thank you