Linux Foundation 소개

Open-source Project 및 Training

THE LINUX FOUNDATION

Linux Foundation

Global 최대의 Open-source Technology 개발 Project 운영 및 Eco-system을 후원하는 비영리단체

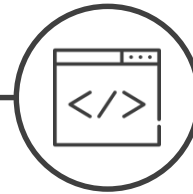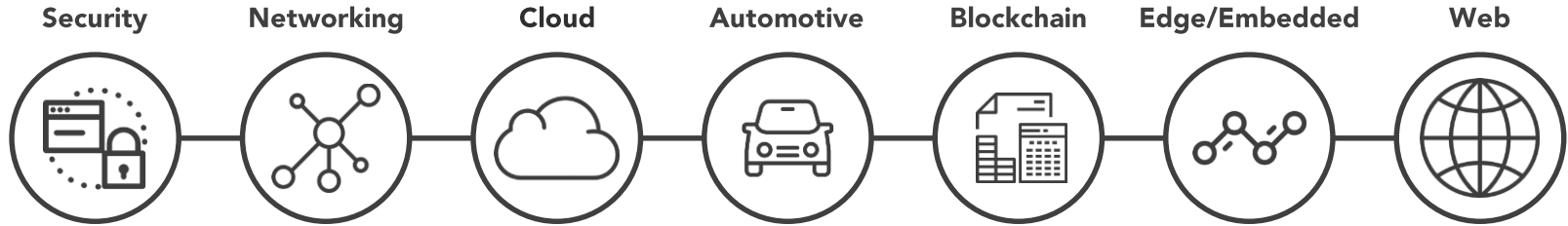| 1500+	1.15B	776K+	150+	$54.1B
Members From 41 Countries	Lines of Codes	Contributing Developers	Open Source Projects	Shared Value created

"세계 최대의 공동 기술 투자 및 기술 생태계 발전 후원"

Linux Foundation

+100 Project 운영 중, Cloud Native, Block Chain, AI, EDGE, IoT, Open PaaS, Security 등 다양한 영역

| Security | Networking | Cloud | Automotive | Blockchain | Edge/Embedded | Web |

Korea Linux Foundation

Linux Foundation Korea 주요 활동 Project & Service

CNCF
- https://www.cncf.io/
- Cloud Native Computing Foundation

LF AI
- https://lfai.foundation/

OpenSSF
- https://openssf.org/

Open3D Foundation
- https://o3d.foundation/
- 3D modeling, Simulation 엔진

Hyperledger
- https://www.hyperledger.org/
- B2B Blockchain(블럭체인)

- Linux Foundation Membership
- 각 Project Membership
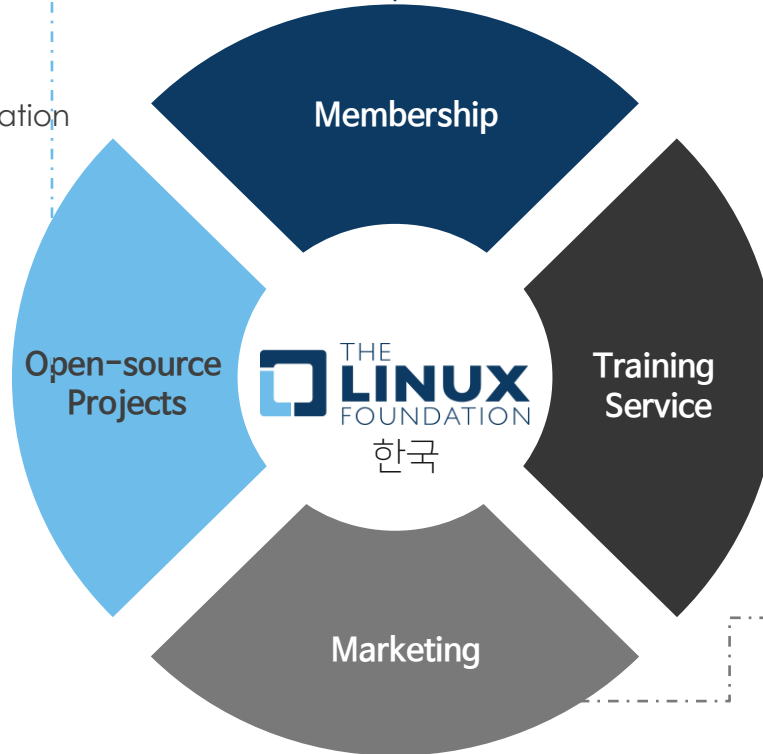
- 국내 IT 교육센터를 통해, Linux Foundation 기술 교육 Service 제공

- Open-source 커뮤니티 후원을 위한 각종 마케팅 활동 지원

Membership

Training Service

Marketing

Open-source Projects

THE LINUX FOUNDATION 한국

Projects

CNCF

2015년 12월, Linux 비영리 재단 산하 Project 재단 https://www.cncf.io/

Graduated Projects

Container Runtime		
CoreDNS	Service Discovery	
envoy	Network Proxy	
etcd	Key/Value Store	
fluentd	Logging	
HARBOR	Registry	
HELM	Package Management	
JAEGER	Distributed Tracing	
kubernetes	Orchestration	
LINKERD	Service Mesh	
Open Policy Agent	Policy	
Prometheus	Monitoring	
ROOK	Storage	
TiKV	Key/Value Store	
TUF	Software Update Spec	
Vitess	Storage	

Incubating Projects

- **argo** — Continuous Integration & Deployment
- **Buildpacks.io** — Packaging Spec
- **cilium** — Networking & Security
- **cloudevents** — Serverless
- **CNI** — Networking API
- **CONTOUR** — Ingress Controller
- **cortex** — Monitoring
- **cri-o** — Container Runtime
- **Crossplane** — Scheduling
- **Dragonfly** — Image Distribution
- **EMISSARY INGRESS** — API Gateway
- **Falco** — Container Security
- **flux** — GitOps
- **gRPC** — Remote Procedure Call
- **KEDA** — Autoscaling
- **KubeEdge** — Edge
- **NATS** — Messaging
- **Notary** — Security
- **OpenTelemetry** — Observability Framework
- **OPERATOR FRAMEWORK** — Operator Lifecycle Management
- **spiffe** — Identity Spec
- **SPIRE** — Identity
- **Thanos** — Monitoring

Korea Members (22)

- Silver

Acornsoft

Cloocus

common computer

exem

INFRANICS We Believe

IN's Lab INTUITIVE SOFTWARE LAB

kbsys

KINX www.kinx.net

LABLUP inc.

MEGAZONE CLOUD

n3n CLOUD

namu

NCSOFT®

NexClipper

OPENSOURCE CONSULTING

SAMSUNG

WhaTap

TmaxA&C

NHN Cloud

- Non-profit

KETI Korea Electronics Technology Institute

NIA 한국지능정보사회진흥원 NATIONAL INFORMATION SOCIETY AGENCY

TTA 한국정보통신기술협회 Telecommunications Technology Association

Korea Member (CKs, KCSPs)

Open3D Foundation

모든 산업분야에서 사용할 수 있는 게임 및 시뮬레이션 구축을 위한 완전한 기능의, 고성능, 실시간 3D엔진을 오픈소스로 구현

- https://o3d.foundation/
- https://www.o3de.org/
- 모듈화되고 컴포넌트화된 기능 제공

3D Assets	User Generated Content
Live Ops	Source Code
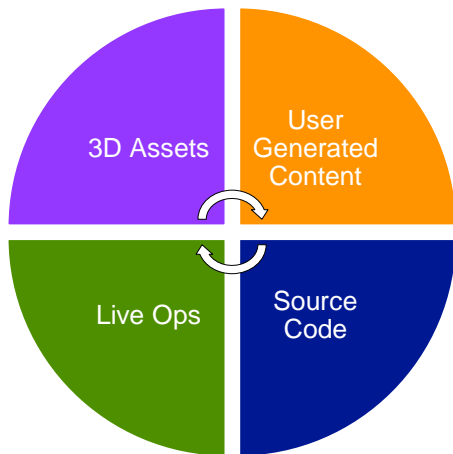
고성능 자산 생산 및 관리

라이브, 다이나믹한 버추얼 공간

Player 이자 Contributors

Games as platform

DEADHΔUS SONATA
Copyright © Apocalypse Studios Inc, used by O3DE with permission.
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OpenSSF

오픈소스 소프트웨어 개발의 보안을 개선하기 위한 공동 투자, 자원관리 및 전문 커뮤니티의 협업을 주도하는 재단
- https://openssf.org/
- 7 Working Groups

주요 오픈소스 프로젝트의 보안 강화

취약성의 발견 및 빠른 수정

https://youtu.be/dRrFDylU7kg

오픈소스를 사용하는 공급망 기술의

인증, 검증 및 소프트웨어 보안 표준화

https://www.sigstore.dev/

LF AI & DATA

2018년 설립, 인공지능(AI), 머신 러닝(ML), 딥러닝(DL) 의 오픈소스 코드 개발 및 생태계 발전

Machine Learning Platform and marketplace for ML models

A high-performance distributed ML platform based on Parameter Server, running on YARN and Apache Spark

A framework designed to help DL cloud service providers to build cluster cloud services using different DL frameworks.

Distributed training framework for TensorFlow, Keras and PyTorch.

Pyro is a universal probabilistic programming language written in Python and supported by PyTorch on the backend. It enables flexible and expressive deep probabilistic modeling, unifying the best .

프리미엄 회원

일반 회원

We are regularly adding projects; for the most up-to-date listing of all projects visit https://lfai.foundation/

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LF Edge

- 2019년 1월, Linux 비영리 재단 산하 Project 재단 https://www.lfedge.org

프리미엄 회원   일반 회원

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Hyperledger

- Linux Foundation이 주도하는 '세계 최대 Blockchain Consortium'
  - www.hyperledger.org
  - Open-source Collaboration을 통한 범 산업용 Blockchain 기술 개발
  - 금융기관을 넘어 다양한 산업 분야에 걸쳐, IBM, Intel, JP Morgan 등 세계 유수의 기업 참여

+200	12	3	11.3M+
Members	Hyperledger Projects	Production 1.0 releases	Lines of Code
750+	100K+	65K+	45K+
Contributors	Enrolled in 1st Edx Course	Commits	Twitter Followers

Upcoming Events

HYPERLEDGER GLOBAL FORUM
THE PREMIER GLOBAL ENTERPRISE BLOCKCHAIN EVENT
SEPTEMBER 12 – 14
DUBLIN, IRELAND
#HYPERLEDGERFORUM

O3DCON
BY OPEN 3D FOUNDATION
October 17 – 19, 2022
Austin, Texas + Virtual
#o3dcon

KubeCon | CloudNativeCon
North America 2022
OCTOBER 24 – 28
DETROIT, MICHIGAN

https://events.linuxfoundation.org/about/calendar/

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