Activity Report of Working Group 1

2016 11 16

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WG1(Technology Development & Assessment WG)
North-East Asia OSS Promotion Forum

2016
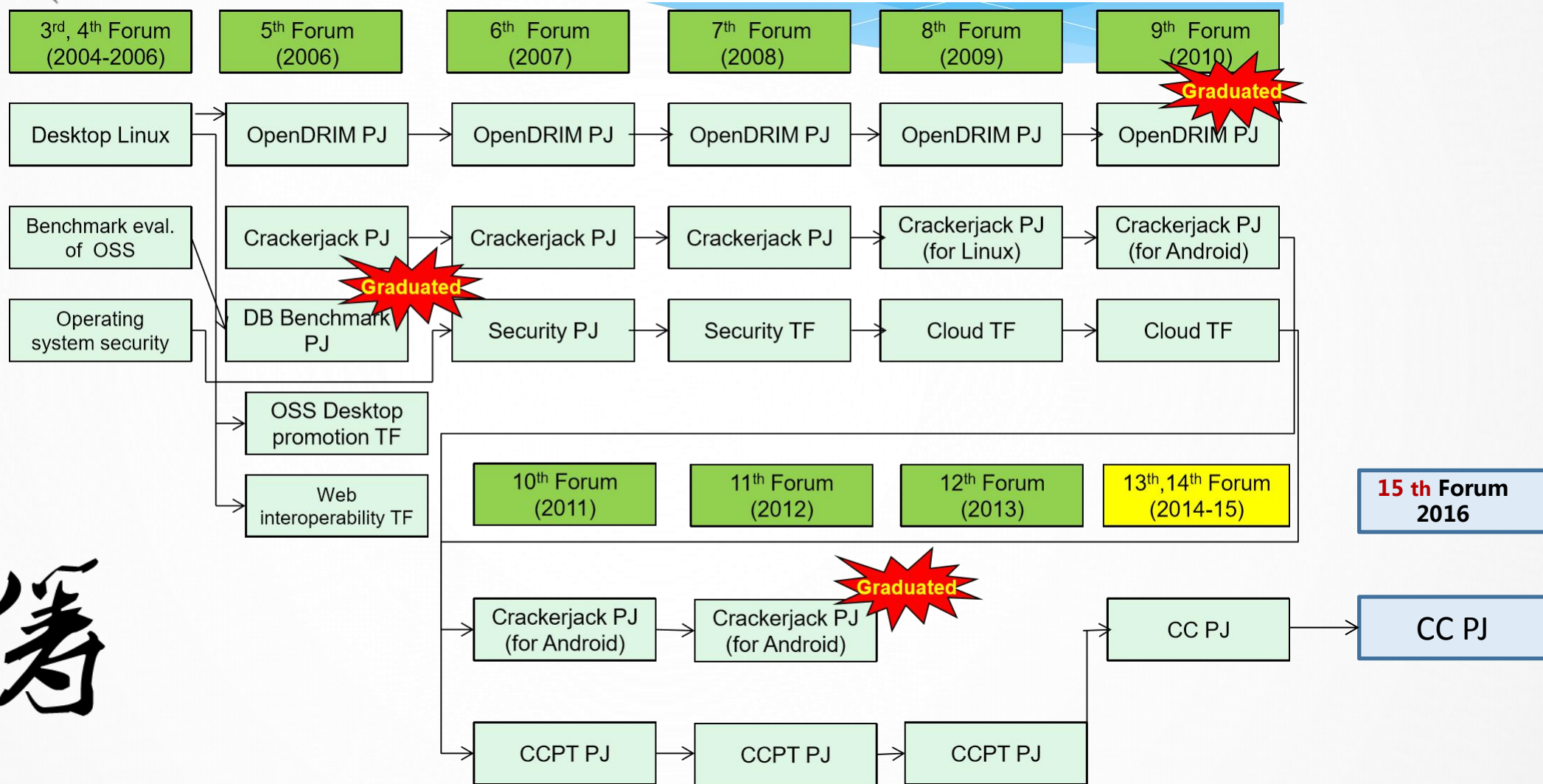
Agenda

1• History of WG1

2• Achievement of last 10 years

3• Activities of WG1 in 2016Y

4• Plan in Y2017

History of WG1

3rd, 4th Forum (2004-2006)	5th Forum (2006)	6th Forum (2007)	7th Forum (2008)	8th Forum (2009)	9th Forum (2010)

Graduated

Desktop Linux → OpenDRIM PJ → OpenDRIM PJ → OpenDRIM PJ → OpenDRIM PJ → OpenDRIM PJ

Benchmark eval. of OSS → Crackerjack PJ → Crackerjack PJ → Crackerjack PJ → Crackerjack PJ (for Linux) → Crackerjack PJ (for Android)

Graduated

Operating system security → DB Benchmark PJ → Security PJ → Security TF → Cloud TF → Cloud TF

OSS Desktop promotion TF

Web interoperability TF

10th Forum (2011)	11th Forum (2012)	12th Forum (2013)	13th,14th Forum (2014-15)

15 th Forum 2016

Graduated

Crackerjack PJ (for Android) → Crackerjack PJ (for Android) → CC PJ → **CC PJ**

CCPT PJ → CCPT PJ → CCPT PJ

- ✓ Background - DBMS market was dominated by commercial products

- ✓ Goal - developing database test suites(DBT-1, DBT-3) - benchmarking MySQL and PostgreSQL

- ✓ Outcomes - opened OSS DBMS benchmark **results** measured on CJK

- ✓ Exploitation - disseminated a performance superiority of MySQL and PostgreSQL - contributed in DBT open project

DBT (Database test) project (2004-2006)

- ✓ Background - solving an incompatible problem of Linux released every 3 months

- ✓ Goal - developing regression test suite for verifying the compatibility of Linux kernel - providing incompatible information of kernel version for users

- ✓ Outcomes - regression test framework, and testcase of 317 Linux system calls

- ✓ Exploitation - collaborated with world wide test communities such as Autotest and LTP(Linux Test Project) - Redhat US, used for compatibility test of RHEL versions

Crackerjack project (2006-2012)

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- ✓ Background - securing standard technologies of system management, and collaborating the relevant open projects such as OpenWBEM

- ✓ Goal - developing system management framework based on DMTF standard - developing CIM(Common Information Model) provider technology

- ✓ Outcomes - international standard based Linux system manager

- ✓ Exploitation - provided the technologies of OpenDRIM to Ubuntu Linux open project(Karmic version(2009) and Maverick version(2010)

挑燈

OpenDRIM

project

(2006-2010)

WG1 activities in Y2016

2016 Y 2M
WG1 meeting in
Beijing

2016 Y 4M
tele-conference
for WG1

2016Y11M
WG1 brainstorming
meeting

2016 Y 10M
WG1 CJK contact
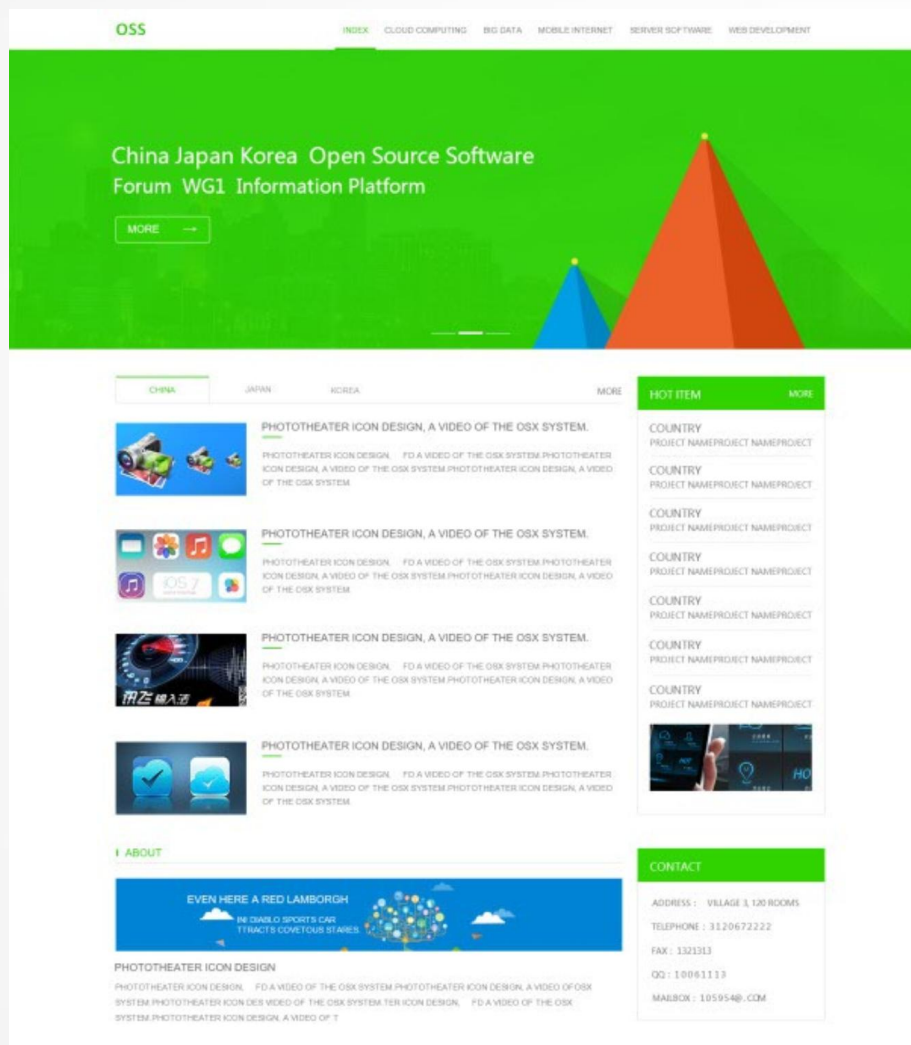person's meeting for
JEJU forum

2016Y 3M
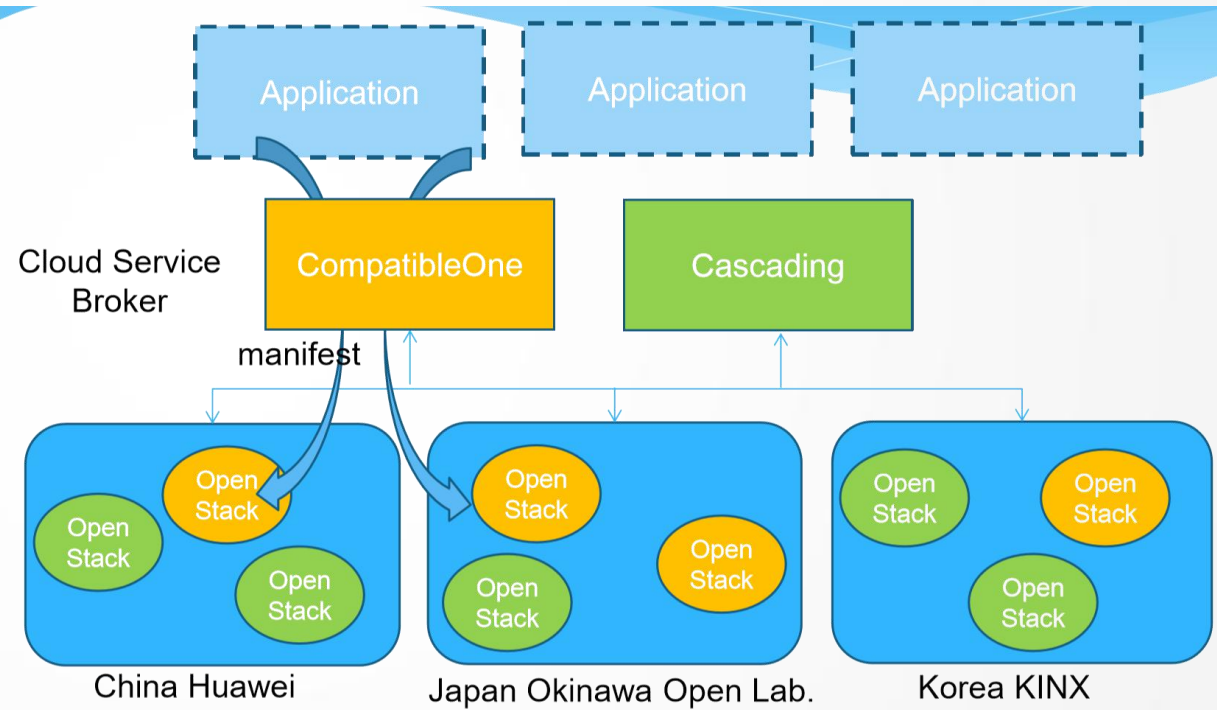Change Team（China）

2016 Y 10M
Openstack Summit
Barcelona

PWG1 has established
the OSS project
website
to exchange
information
which helps to find
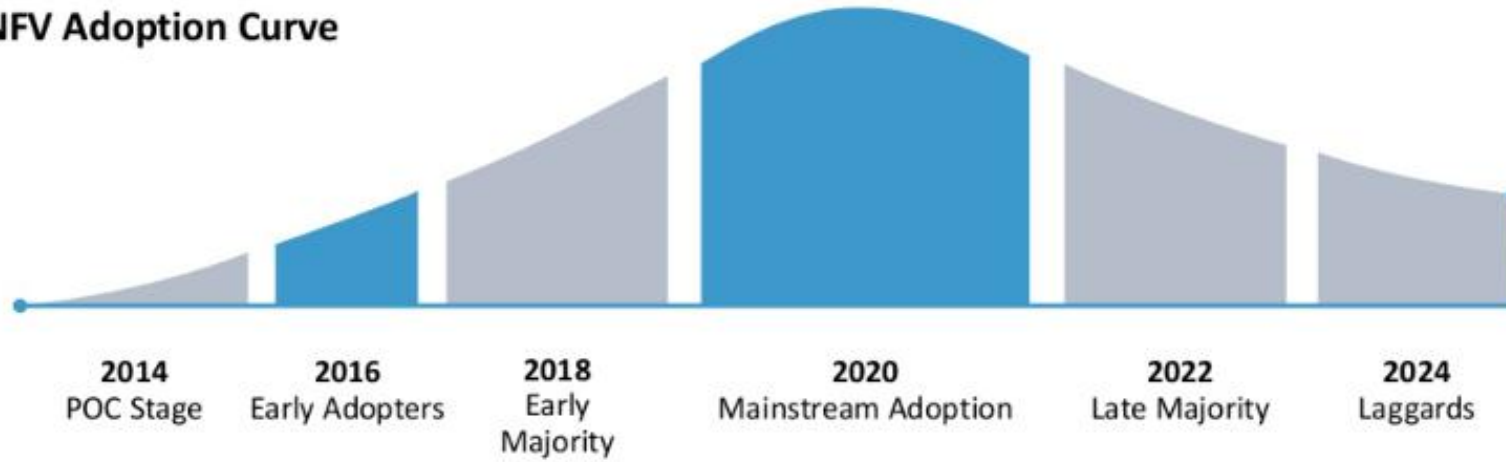more opportunities
for making
cooperative projects.

NFV Adoption Curve

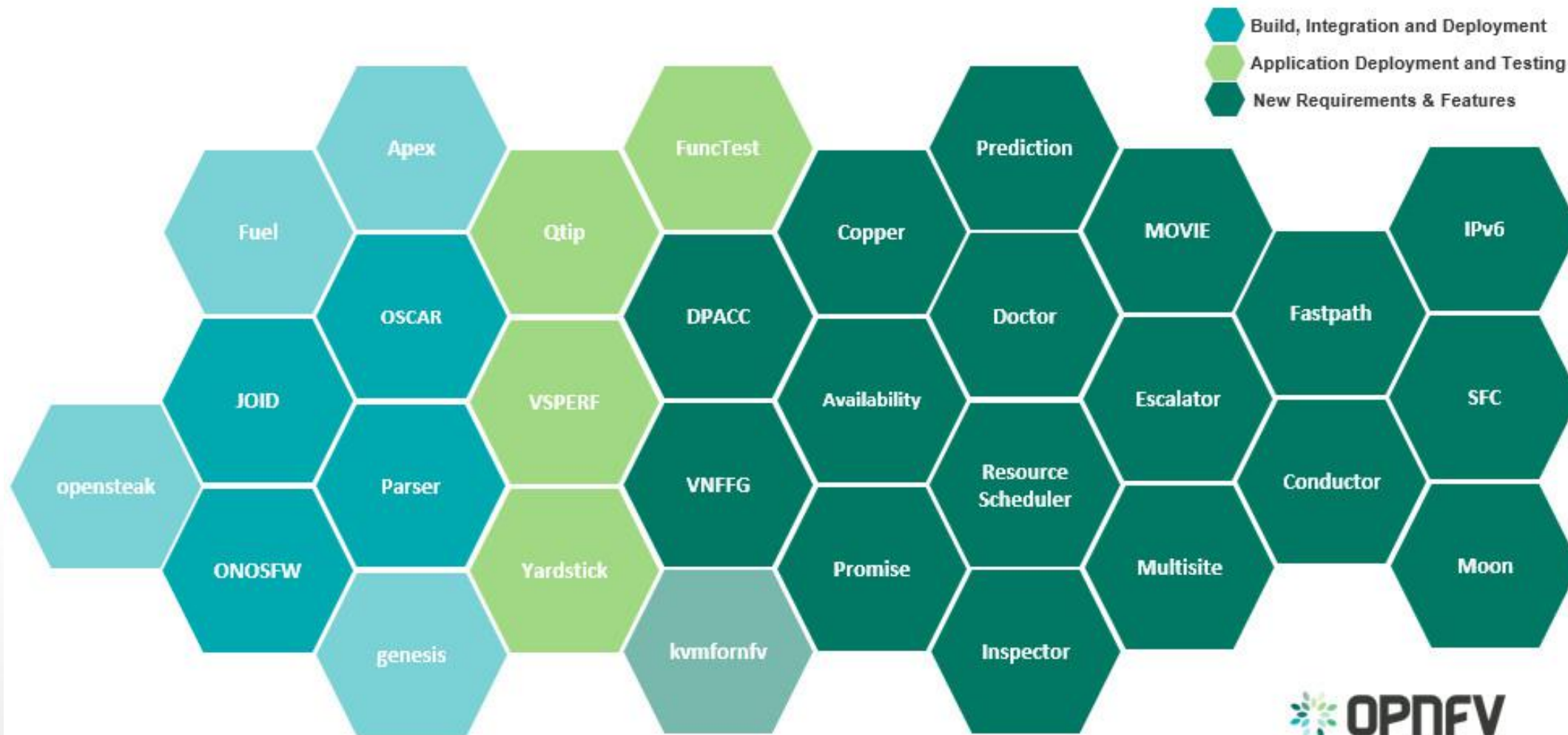| 2014	2016	2018	2020	2022	2024
POC Stage	Early Adopters	Early Majority	Mainstream Adoption	Late Majority	Laggards

SOURCE: TBR

Note: Assumes comprehensive network transformation through NFV architecture across multiple domains
Assumption: Operators generally move slowly on new technology, and there will be integration challenges along the way.

Network Function Virtualiziation
- Openstack (NFV OPNFV etc...)

Oss Information Platform
- Oss Technical and project collection
- Technical exchange

Research cooperation possibilities in areas of Cloud Computing, Mobile Internet, Internet of Things, Big Data, Smart City and so on.

洞见

Thank you !
C J K

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