

The 13<sup>th</sup> North-East Asia OSS Promotion Forum

# Activity Report of Working Group 1

2014/11/20

Sungin Jung(Korea), Weiyang Wang(China), Tomomi Suzuki(Japan)



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

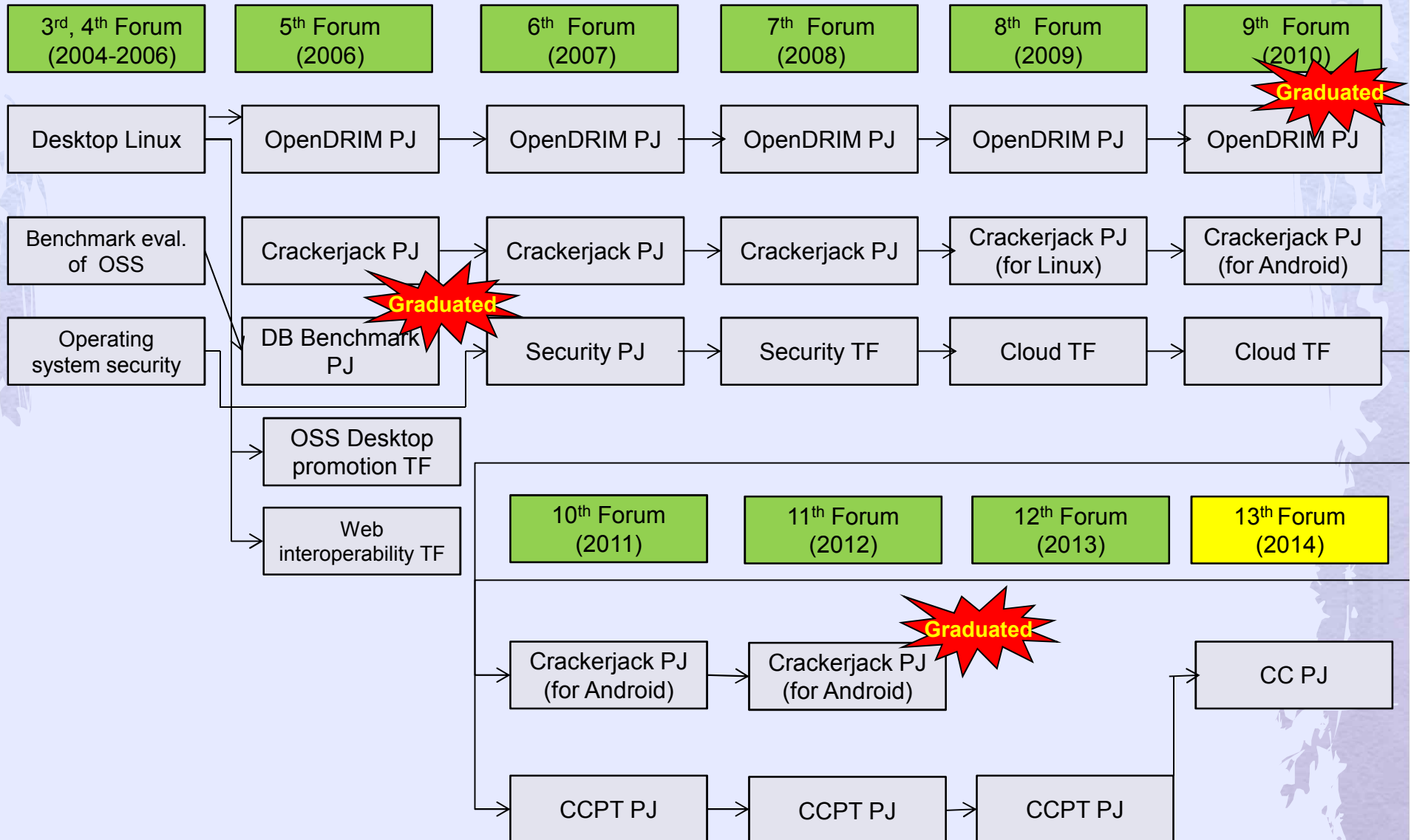
# 10<sup>th</sup> Anniversary Celebration of Northeast Asia OSS Promotion Forum



# Agenda

1. History of WG1
2. Achievement of last 10 years
3. Activities of WG1 in 2014Y
4. Plan in 2015Y

# 1. History of WG1



## **2. Achievement of last 10 years (DBT(Database test) project(2004-2006))**

- 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 representative Linux systems compared to a commercial DBMS
- Exploitation
  - disseminated a performance superiority of MySQL and PostgreSQL
  - contributed in DBT open project

▪

## 2. Achievement of last 10 years (Crackerjack project(2006-2012))



- Background
  - solving an incompatible problem of Linux released every 3 months
- Goal
  - developing regression testsuite 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

## 2. Achievement of last 10 years (OpenDRIM project(2006-2010))



- 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))



# 3. WG1 activities in 2014Y

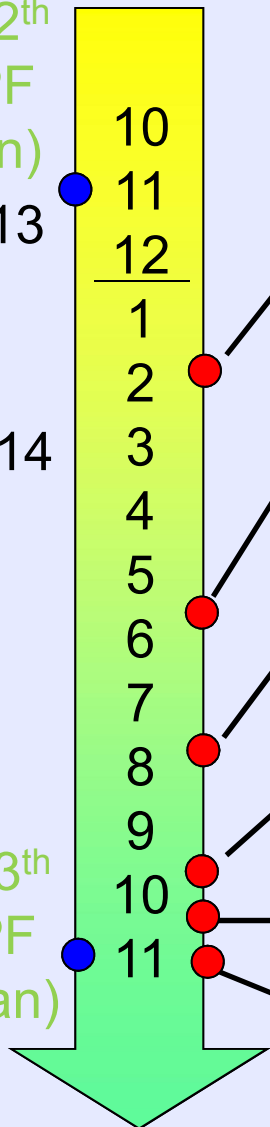
## 3.1 schedule of WG1 activities

The 12<sup>th</sup>  
OSSPF  
(Busan)

2013

2014

The 13<sup>th</sup>  
OSSPF  
(Wuhan)



<F2F meeting : 4 times, conference call : 2 times,  
WG1/W4 meeting>

- WG1 CJK contact person's meeting on the plan of 2014Y and discussion of WG1 new projects in Beijing(2/25)
- WG1 meeting on the collaboration with OpenStack community in Beijing(6/24)
- WG1 conference call on the preparation of Wuhan forum (9/4)
- WG1 CJK contact person's meeting on Wuhan forum and WG1/WG4 meeting on Luoyang(洛陽) project in Beijing (10/15)
- WG1 conference call on Wuhan forum(10/24)
- WG1 brainstorming meeting for discussing 2015Y plan in Wuhan(11/19)



# 3. WG1 activities in 2014Y

## 3.2 discussion of WG1 new projects

- China has proposed
  - home grown Cloud OS based on OpenStack
  - Linux OS compliant to Window OS due to XP problems
- Japan has proposed the performance test of Hadoop and Hbase compared to Oracle
- Korea has proposed the openness of Cloud platform



<Feb., 2014>



<June., 2014>

# 3. Overview of WG1 activities in 2014Y

## 3.3 WG1 and WG4 meeting

- China LuoYang City Tourism Platform
  - Introduce OSS of Cloud, Big Data etc. into the platform
  - CJK's first collaboration attempt on actual commercial project



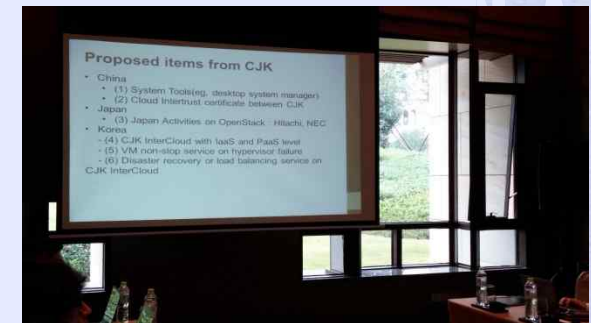
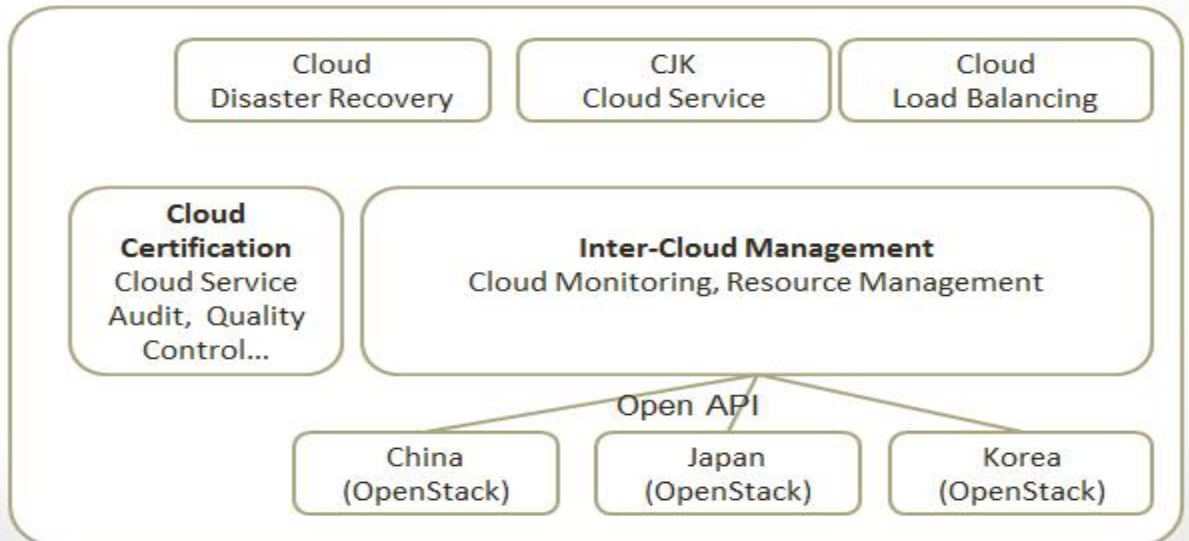
<Oct., 2014>

## 4. Plan in 2015Y

- Brainstorming meeting with candidate items in order to make a bilateral collaboration project or a third party project - 6 candidate items, through 3<sup>rd</sup> round talk, agreed on Inter-Cloud project

### Conceptual structure of new project

- Goal of new project: developing technologies for trustworthy Inter-Cloud services, and establishing Inter-Cloud testbeds





# Thank You!



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