

## **Chairmen's Statement of the 16<sup>th</sup> Northeast Asia OSS Promotion Forum**

**November 16<sup>th</sup>, 2017**

Open Source Software is vital not only for IT innovation but also for social infrastructures. All these were delivered via the efforts of open communities, and empowered by OSS promotion activities over the past 13 years by gathering ideas, knowledge, and experience among users, industries, academies, and governments in China-Japan-Korea (CJK). There has been a tremendous growth in the number of contributions to OSS development and rapid expansion within CJK, both Asian-and world-wide, since the establishment of the Forum in 2004 created a stir in the OSS era.

The four working groups (WGs) continue to pursue the goal of the Forum: Realizing an open world through the sustainable growth of world-wide OSS communities and industries led by governments and skilled personnel in Northeast-Asian countries and regions. WG1 is in charge of “Technology development & Assessment”, WG2 is in charge of “Talents Education and Incentives”, WG3 is in charge of the “Study on Standardization & Certification” and WG4 is in charge of “Application Promotion” collaboration works.

Over the past thirteen years Northeast Asia OSS Promotion Forum has made substantial achievements: the forum has successfully developed the distributed resource management system OpenDRIM, the Linux kernel automation regression testing tool Crackerjack, the Linux security project SEEN, and the database assessment project DBT-1; also has made deep research in areas of web interoperability, cloud computing, etc. The forum has successfully organized the OSS awarding activities for outstanding technologies and special contribution; has developed and promoted the Northeast Asia OSS demonstration curricula and courseware; has held the OSS training camps during each forum; and establish the OSS training camp institutionalization in a more flexible way. The forum has completed the research of “the Specification of Input Method Interface” and “the Report of World Wide Web Interoperability”, the collection of OSS information so as to establish OSS Maturity Assessment Repository, and the exploration, development and application of OSS Governance Framework. The forum has conducted research on the market and exchanged experiences in areas of logistics, smart city and education, to promote the application and popularity of OSS technologies by setting up demonstration projects.

The forum has continually shared government policies and offered practical support of OSS technology and philosophy through various open and innovative cases. The forum acknowledges the contribution of all participation of WGs.

The Northeast Asia OSS Promotion Forum has held its 15th annual conference. The chairmen vowed to invigorate OSS promotion through collaborative work among CJK.

A summary of the main conclusions is presented as follows:

#### WG1:

In 2017 WG1 continues to deepen the cooperation in cloud computing field, thereby operating Inter-Cloud platform based on OpenStack for communities and business users to test and experience cloud-based applications. In addition, members of WG1 are investigating the required functions of OpenStack in order to find the future cooperation.

WG1 will continue to develop technologies for trustworthy Inter-Cloud services and to expand Inter-Cloud test-beds, in order to promote applications on Inter-Cloud test-beds and popularization of OpenStack technologies in Northeast Asia. For fulfilling this mission, we will establish the regular meetings to exchange ideas and drive the fruit of SDN/NFV technology. WG1 will also continue to explore the research cooperation possibilities in areas of Cloud Computing, Networking in NFV, OpenStack, Mobile Internet, Internet of Things, Big Data, Artificial Intelligence, Smart City, Block Chain and so on.

#### WG2:

One of the main achievements of WG2 in 2017 is to establish the training camp institutionalization. We held the first institutional master level training camp (OSS MTC) successfully, based on the accomplishments of the OSS training camp (OSS TC). The OSS TC, which is held during the Northeast Asia OSS Promotion Forum, has been widely recognized for years and has attracted a majority of open source software enthusiasts including students and engineers. Another main achievement of WG2 is the release of “NEAOSS Sample Curricula 3.0”. We reviewed and updated the formerly released draft of “definition of skills and sample curriculum for students, engineers and managers”, including skillset “knowledge of OSS” and skillsets of several recent trends such as IT/OSS compliance education, Cloud Computing and IoT.

The 12<sup>th</sup> CJK OSS outstanding technology awarding and the 10th CJK OSS special contribution awarding were organized in the 16th forum to promote OSS talents education and training. WG2 will continue to promote the sharing of teaching materials, the certification of national OSS talents and the mutual certification in CJK by utilizing the Northeast Asia OSS Sample Curricula.

#### WG3:

In the past 10 years, WG3 have finished the research of Input Method, Web Interoperability, Repository of OSS System (RepOSS), Governance Framework for OSS, Open Source Software Maturity and Applicability Assessment Model (OSSMAAM), the standardization of Software Package Data Exchange

(SPDX) for Supply Chain Management (SCM).

WG3 has continued to study for the FOSS related standardization and expanded its area in 2017. WG3 has successfully launched the work on FOSS Supply-Chain Risk Management (SCRM) standard guideline. Although 'used everywhere' and 'easy to access' are main factors of FOSS, but lack of FOSS governance, compliance and vulnerability management are main reasons leading to potential risks, which are already known by legal and security teams. According to this situation, FOSS supply-chain risk management (SCRM) standard guideline becomes necessary and urgent. Thus FOSS comes to include security vulnerability features that static and dynamic analysis can't discover, most of companies need governance and compliance guide to manage for using FOSS effectively and safely. Recently WG3 has launched to establish FOSS SCRM standard guideline.

In 2017, WG3 started an Evaluation Guideline for Open R&D Project, which specifies the process of government open R&D project. It will be contributing to objective and precise measurement of government-driven R&D projects which release the source code as the result.

In 2017, WG3 also conducted preliminary standard study about community governance, which helps us evaluate the community project, contribution and management. WG3 has initialized the framework for open source community governance, including community structure, license, the number of active projects, and project size. The first draft version had being send to survey in the communities of CJK. Next year WG3 will refine the content according to feedback.

Since 2013 WG3 focus on the new markets of the 3rd platform, and we will continue to evaluate the software which has been strongly leading these markets. In 2017, we updated the latest survey of OSS in Big Data platform. Furthermore, we will keep on improving the method to watch the maturity of OSS using various tools like deep learning and software metrics analysis and so on.

WG3 will maintain contacts closely and communication with the standardization and technology. WG3 will actively accelerate the application of the achievement of WG3. We look forward to more company joining WG3.

WG4:

In 2017, WG4 investigated and carried out social welfare use cases of CJK. This investigation including medical treatment and taking care of the aged is successfully completed by our support. In addition, we arranged to have business meetings among CJK companies for OSS business cooperation such as Big Data, Cloud Computing and System Software.

And, in 2017, more than 20 companies have become new members of WG4.

Next, WG4 will continue to promote the business cooperation of various companies among CJK in new OSS technology fields, such as Block Chain, AI, IOT, etc.

In order to adapt to the new situations and new requirements of OSS cooperation, and without reducing the number of existing working groups, Northeast Asia OSS Promotion Forum will adopt a more flexible and highly-efficient working group cooperation mechanism: as long as there are companies from two sides participating in a working group, then this working group is allowed to continue the normal operation, and three sides will share the whole process information and achievements of this working group.

All participants share the value of spreading OSS communities throughout the world, and appreciate the great efforts of government, industry, academy, and individuals in CJK. The forum has been expanding the OSS ecosystem for IT industry growth in CJK and other Asian regions. Here also the Forum declares to undertake the extension and enrichment of the open world as a member of OSS community.

Northeast Asia OSS Promotion Forum will continue to communicate about activities, such as the wide application of OSS achievements.

The 17th Northeast Asia OSS Promotion Forum will be held in Japan in 2018.