

Chairmen's Statement of the 17th Northeast Asia OSS Promotion Forum

November 15th, 2018

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 14 years by gathering ideas, knowledge, and experience among users, industries, academics, 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 in Asia 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 responsible for the "Study on Standardization & Certification" and WG4 is in charge of "Application Promotion" collaboration works.

Over the past 14 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 established 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 16th 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 2018 WG1 started to discuss new technical topics for future collaboration and WG1 has held a technical conference on the 26th of July. In this conference WG1 members introduced their research topics such as many-core OS PJ, Block chain, OpenBLAS, Open Network Automation Platform, etc., and discussed future plans. Furthermore, WG1 agreed to graduate “The Inter-Cloud Project”, developing an Inter-Cloud service and researching the technologies of federated Clouds on CJK testbeds in 2018, and continue the activities in global OpenStack related communities.

WG1 will continue to explore 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, Edge Computing and so on.

WG2:

WG2 members will encourage and help create opportunities for Northeast Asian developers to collaborate with top developers, including Linus Torvalds, an originator of Linux Kernel, during a face-to-face discussion in local conferences such as the LC3 conference. We will continue our efforts to develop high level human resources into even higher levels, which is the ultimate purpose of the master level training camp (OSS MTC). We will also continue the OSS training camp (OSS TC), which is held during the Northeast Asia OSS Promotion Forum, as it has been widely recognized for years and has attracted a majority of open source software enthusiasts including students and engineers. WG2 will also organize a special legal team network, including lawyers, legal professors, and software specialists, for the purpose of promoting license compliance in wide areas of the OSS ecosystem. WG2 will continue discussing requirements and skillsets of several recent trends such as IT/OSS compliance education, Artificial Intelligence, Cloud Computing and Internet of Things, and updating sample curricula for future releases.

WG2 has selected Block Chain HRD as the next objective and will further discuss the Block Chain area.

The 13th CJK OSS outstanding technology award and the 11th CJK OSS special contribution award were presented during the 17th forum to promote OSS talents education and training. WG2 will continue promoting 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 has 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)', 'Standardization of Software Package Data Exchange(SPDX) for Supply Chain Management(SCM)', and 'Evaluation the software which has been strongly leading the 3rd platform market'.

WG3 has continued to study the FOSS related standardization and expanded its area in 2018, and WG3 started study for 'FOSS Supply-Chain Risk Management (SCRM) standard guideline', 'Evaluation Guideline for Open R&D Projects', 'standard about design & test services in projects which specifies the work requirements, method and workflow', 'OpenChain' and 'OSS Risk Management Services'. In addition, WG3 has successfully finished the standard 'General Technique Requirements of Network Terminal Operating System' and released it.

For future projects, WG3 is planning to establish three practical standards such as 'Open Innovation Research and Development Capability Maturity Model', 'Open Source Compliance Guideline for License Governance of Software Supply Chain Management' and 'Open Source Software License Policy Standard Model'. WG3 will keep in close contact and communicate openly about corresponding standardization and technology. WG3 will actively accelerate the application of its achievements. We look forward to more companies joining WG3.

WG4:

Recently WG4 has been working on creating practical cases that utilize OSS in various systems and technical support for its utilization.

We have also promoted the matching of OSS business people and companies in CJK.

In 2018, we have taken the opportunity to discuss again the direction of WG4's future activities and will continue keeping said direction in discussion.

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 said working group is allowed to continue normal operations, and all three sides will share information throughout the whole process along with the achievements of the 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. In this regard, CJK will support the forum to jointly hold an OSS conference to incubate and promote OSS projects, in the fields of AI, IoT, Block Chain, etc. It will provide software developers an opportunity to meet, share ideas and collaborate. Meanwhile, the Forum also declares to undertake the extension and enrichment of the open world as a member of the OSS community.

The Northeast Asia OSS Promotion Forum is considering the future state of the forum and extending the scope of its activities.

The 18th Northeast Asia OSS Promotion Forum will be held in Korea in 2019