

ITU-T Cloud Computing Event

Recommendations of Focus Group Cloud Computing

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Cloud computing benefits from Telecommunication/ICT perspectives

- Cloud computing origin and evolution
- Benefits of cloud computing from telecommunication/ICT perspectives
 - From Services Provider perspectives
 - From Cloud Partner perspectives
 - from Users perspectives
 - Improvement of security
- Roles of Telecommunication in cloud computing
- **First candidates work items**

Candidates for cloud study items in ITU-T

- A. Items were investigated within FG cloud and output documents were produced as an input for further development by ITU-T SGs (most mature items)
 - Cloud ecosystem
 - Cloud Security
 - Cloud functional reference architecture
 - Cloud infrastructure
 - Inter-cloud

- B. Items were partly investigated within FG cloud and output documents were produced as an input for further development by ITU-T SGs
 - Desktop as a Service (DaaS)
 - Cloud Management (Resources & Services)

- C. Items were introduced within FG cloud with a limited investigation
 - Accessibility and Eco-friendly Cloud Computing

Recommendations on the future study concerning Cloud computing in ITU-T

- ITU-T should develop a **global standardization framework** for Cloud Computing within telecommunication sector. It is recommended that ITU-T plays a significant role in major areas of Cloud Computing including Functional architecture, Inter-Cloud, Security and cloud management.
- To maintain the dynamic of FG Cloud, it is strongly recommended to identify a **lead study group on cloud computing**. This SG will carry out the major part of cloud computing activity for ITU-T and will coordinate the cloud activities in the other SGs.
- It is recommended that the **lead SG initiates**, as soon as possible, work on the **most mature candidate items**. It is suggested to group these candidate items as appropriate and to use **the FG cloud Deliverables as a base**.
- It is recommended that ITU-T **continues as soon as possible the work on cloud security**.
- It is recommended to have a close collaborative working style among the cloud security activities and other Cloud activities in ITU-T.

Recommendations on the Future collaboration with standardization organization

- To continue efficient coordination/collaboration with other standardization organization and fora, especially with ISO/IEC JTC 1/SC 38 & SC 27, DMTF, SNIA, GICTF and CSA, which was initiated by FG Cloud, it is recommended to set up a **JCA with the lead SG as parent group**.
- It is recommended that the lead SG continues to investigate with **ISO/IEC JTC 1/SC 38 possible joint projects on the Reference Architecture and the definition/terminology of Cloud Computing**, according to Recommendation ITU-T Rec. A.23.

Recommendations on the Treatment of FG Cloud deliverables

Deliverable	Target SG
1. Introduction to the cloud ecosystem: definitions, taxonomies, use cases, and high level requirements	SG13
2. Functional Requirements and Reference Architecture	SG13
3. Requirements and framework architecture of cloud infrastructure	SG13
4. Cloud Resource Management Gap Analysis	SG13
5. Cloud Security	SG17
6. Overview of SDOs involved in Cloud Computing	SG13 (Discussion material for JCA)
7. Benefits from Telecommunication perspectives	SG13 (Discussion material for JCA)

- In invoking Rec. A.7, Clause 10, it is requested to **convert the deliverables into a technical report.**
- It is recommended to TSAG **to make this Technical Report publicly available at the ITU-T FG Cloud Computing site.**



Thank You

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