Overview of Cognitive NGSDP Model: an intelligent system in view of APIS

(Applications, Performance, Intelligence and Security)

Authors: Yong Zheng, Han-hua Lu, Ya-shi Wang, Li-juan Min, Shun-yi Zhang, Yan-fei Sun
Affiliations: Nanjing University of Posts & Telecommunications, Nanjing, 210003, P. R. China
Corresponding author: Yong Zheng

Abstracts: To follow the rapid development of the next generation network (NGN) and requirement of IP multimedia subsystem (IMS), service delivery platform (SDP) is supposed to be integrated with IMS to better serve for telecom services and operations. With the development of new emerging technologies, such as Web 2.0, SOA, Web Service, etc, SDP is required to integrate with them and turned out to update to be next generation service delivery platform (NGSDP). This chapter mainly focuses on overview of Cognitive NGSDP in view of APIS (Applications, Performance, Intelligence and Security), especially performance and intelligence. Cognitive NGSDP is proposed by our research group and supposed to be a robust one combined with cognitive functions and other new requirements and characteristics. Relevant theories, technologies as well as feasible solutions for Cognitive NGSDP are significantly discussed to further implement this conceptual model. Cognitive NGSDP, as we expected, will contribute to actual SDP constructions for advanced performance guarantees and intelligence requirements.
References:


Wiley & Sons Ltd, 2007


[66] Ren, L., Yun Zhang Pei, Yi Bo Zhang, Chun Ying. "Charging Validation for Third Party Value-Added Applications in Service Delivery Platform". 10th IEEE/IFIP Network
Operations and Management Symposium, 2006, pp.1-13


