Abstract

Network traffic classification is extensively required mainly for many network management tasks such as flow prioritization, traffic shaping/policing, and diagnostic monitoring. Similar to network management tasks, many network engineering problems such as workload characterization and modeling, capacity planning, and route provisioning also benefit from accurate identification of network traffic. This paper presents review on all the work done related to Network Traffic.
Management since 1993 to 2013 in various fields like artificial intelligence, neural network, ATM and wireless networks.

References

- Auld, T.; Moore, A. W.; Gull, S. F., 2007, Bayesian Neural Networks for Internet Traffic Classification.
- Liu Yingqiu; Li Wei; Li Yunchun, 2007, Network Traffic Classification Using K-means Clustering.
- Ai-min Yang; Sheng-yi Jiang; He Deng, 2008, A P2P Network Traffic Classification Method Using SVM.
- Yizhen Liu; Daxiong Xu; Zhixin Mu; Jiayi Qin, 2009, Efficient Hybrid Packet Classification in Traffic Control System Using Network Processors.
State of the Art Review of Network Traffic Classification based on Machine Learning Approach

- Xie; Bo Yang; Yuehui Chen; Lin Wang; Zhenxiang Chen, 2009, Network Traffic Classification Based on Error-Correcting Output Codes and NN Ensemble.
- Runyuan Sun; Bo Yang; Lizhi Peng; Zhenxiang Chen; Lei Zhang; Shan Jing, 2010, Traffic classification using probabilistic neural networks.
- Wang Ruoyu; Liu Zhen; Zhang Ling, 2010, A new re-sampling method for network traffic classification using SML.
- Hu Ting; Wang Yong; TaoXiaoling, 2010, Network traffic classification based on Kernel Self-Organizing Maps.
- Ning Jing; Ming Yang; Shaoyin Cheng; Qunfeng Dong; Hui Xiong, 2011, An efficient SVM-based method for multi-class network traffic classification.
- Xuefeng Mu; Wenjun Wu, 2011, A Parallelized Network Traffic Classification Based on Hidden Markov Model.
- Wengang Zhou; Leiting Dong; Bic, L.; Mingtian Zhou; Leiting Chen, 2011, Internet traffic classification using feed-forward neural network.
- Xue Han; Yiqing Zhou; Liang Huang; Lin Han; Jinlong Hu; Jinglin Shi, 2012, Maximum entropy based IP-traffic classification in mobile communication networks.
State of the Art Review of Network Traffic Classification based on Machine Learning Approach

- Jun Zhang; Chao Chen; Yang Xiang; Wanlei Zhou, 2012, Semi-supervised and Compound Classification of Network Traffic.
- Nen-Fu Huang; Gin-Yuan Jai; Chih-Hao Chen; Han-Chieh Chao, 2012, On the cloud-based network traffic classification and applications identification service.
- Zhang, Jun; Xiang, Yang; Wang, Yu; Zhou, Wanlei; Xiang, Yong; Guan, Yong, 2013, Network Traffic Classification Using Correlation Information.

Index Terms

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Keywords

Network Traffic Supervised Unsupervised Learning Semi-supervised Clustering Classification

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