Post-Visit Manuscript: "Cybersecurity Technology and Applications" Exchange Meeting at 360 Enterprise Security Group

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Abstract

During the presentation, 360 Enterprise Security Group emphasized that "data-driven security" constitutes not merely a technical philosophy but a comprehensive revolution in thinking that spans ideology, methodology, and industry practice. The increasing openness of networks introduces heightened security threats. For example, as broadcasting network operators integrate their video-on-demand systems with the internet to enable remote access, attackers may exploit EPON terminals or internet entry…

Full Text

Preamble

On September 25, 2018, the Science and Technology Committee Secretariat of the State Administration of Press, Publication, Radio, Film and Television (SAPPRFT), together with the Cable TV Integrated Information Technology Branch of the China Electronics Society, the China News Technology Workers Association, and the Multimedia Professional Committee, jointly organized an exchange program on "Cybersecurity Technology and Applications," which included a site visit to 360 Enterprise Security Group. Approximately 40 technical directors and senior engineers from China Central Television, various SAPPRFT-affiliated units, the Beijing Press and Publication Bureau, Beijing Television, and other media organizations participated in the event. The delegation toured 360's industrial control laboratory and cybersecurity response center, where they received comprehensive briefings on industrial control security, 360 Enterprise Security solutions, situational awareness technologies, and relevant case studies, and engaged in substantive discussions with the company's leadership and technical experts.

During the presentation, 360 Enterprise Security Group emphasized that "data-driven security" constitutes not merely a technical philosophy but a comprehensive revolution in thinking that spans ideology, methodology, and industry practice. The increasing openness of networks introduces heightened security threats. For example, as broadcasting network operators integrate their video-on-demand systems with the internet to enable remote access, attackers may exploit EPON terminals or internet entry points to compromise these systems. Expanded internet connectivity also elevates the risk of DDoS attacks, while introducing cloud platform security vulnerabilities and compliance challenges related to information security protection standards. Television stations conducting remote field material aggregation and backhaul operations similarly confront issues of mobile device security, new boundary defense requirements, cloud security, and regulatory compliance. To address these challenges, 360 proposed several solutions, including the ID TrustAccess identity security solution, unified cloud security resource management, and an advanced threat collaborative defense system.

This exchange activity significantly enhanced information sharing and technical dialogue between the broadcasting and media sector and a leading cybersecurity enterprise. It helped participants strengthen their cybersecurity awareness, deepen their understanding of current cybersecurity technology trends and applications, and further advance safe broadcasting and transmission security throughout the industry.

Note: Figure translations are in progress. See original paper for figures.