

"Implementing the plugin distribution system"

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ABSTRACT

Recent works proposed to dynamically extend protocol implementations through protocol plugins. While addressing deployment issues, they raise safety concerns (do they terminate, do they act maliciously, ...). To fill this gap, a system distributing trust in plugin's verification properties was proposed in the literature. However, it was not implemented. This poster demonstrates the feasibility of this approach by providing an open-source implementation of this system. We also extend the state-of-the-art verification works about protocol plugins by considering a new property called side-effects.

CITE THIS VERSION

Rybowski, Nicolas ; De Coninck, Quentin ; Rousseaux, Tom ; Legay, Axel ; Bonaventure, Olivier. *Implementing the plugin distribution system*.SIGCOMM '21: ACM SIGCOMM 2021 Conference (Virtual Event, du 23/08/2021 au 27/08/2021). In: *SIGCOMM '21: Proceedings of the SIGCOMM '21 Poster and Demo Sessions*, Association for Computing Machinery : New York, NY, United States2021, p. 39-41 <u>http://hdl.handle.net/2078.1/251830</u> -- DOI : 10.1145/3472716.3472860

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PQUIC plugins may alter specific connection fields which are defined in their specifications. Listing 1 illustrates the kind of

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