

【招待講演】
オープンリゾルバーを用いた DNS リフレクター攻撃の概要と対策
～知らない間にあなたも加害者に～

森下泰宏^{†1}

最近、インターネット上に放置されている大量のオープンリゾルバーを悪用した分散サービス不能（DDoS）攻撃の事例が多数報告されている。2013 年 3 月にはこれまでに最大規模となる 300Gbps を超える DDoS 攻撃が発生し、欧州地区の複数の主要なインターネットエクスチェンジ（IX）において、一時的な通信障害が発生した。また、2013 年 5 月には米国において金融取引プラットフォームを標的とした同様の DDoS 攻撃が発生するなど、日本を含む世界中で類似の攻撃がいつ発生してもおかしくない、きわめて危険な状況となっている。本発表ではオープンリゾルバーを用いた DNS リフレクター攻撃の概要と、必要な対策について解説する。

[INVITED TALK]
An Overview of “Reflector Attacks” Abusing Open DNS Resolvers
and its Measures
～You Will Be Assailant While You Don’t Know～

Yasuhiro Orange Morishita^{†1}

Recently, we have seen many distributed denial of service (DDoS) attacks reports abusing “Open DNS Resolvers” neglected on the Internet. In March 2013, the biggest DDoS attack had been occurred. It is recorded over 300Gbps traffic and some major European Internet Exchanges (IXes) encountered traffic delays/errors temporarily. And in May 2013, the similar attack had been occurred; it is targeted to a Financial Exchange Platform in the USA. That is, it's very serious situation that the similar attacks deserve to occur in the world, including in Japan. In this presentation, I will describe an overview of the "Reflector Attacks" abusing Open DNS Resolvers, and its measures must be needed.

^{†1} 株式会社日本レジストリサービス
Japan Registry Services Co., Ltd.

正誤表

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「誤」 英文要旨全文

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「正」 英文要旨全文

Recently, many incidents of Distributed Denial of Service (DDoS) attacks have been reported. In a substantial case of them, “Open DNS Resolvers” have been abused as reflectors, and they have been derelict in the Internet. In March 2013, the biggest DDoS attack had been occurred. It is recorded over 300G bps traffic and some major European Internet Exchanges (IXes) encountered traffic delays/errors temporarily. And in May 2013, the similar attack had been occurred; it is targeted to a

“Financial Exchange Platform” in the USA. That is, it's very serious situation that the similar attacks deserve to occur in the world, including in Japan. This presentation describes an overview of the "Reflector Attacks" abusing Open DNS Resolvers, and its measures must be needed.