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Thread: [Right-To-Left Override \(RLO\) Extension Spoofing: Hidden Dangers in File Names](#)

Aeon - September 1, 2023, 10:24 am

Right-To-Left Override (RLO) Extension Spoofing is a deceptive technique that exploits the Unicode control character U+202E.

This character is typically used for bidirectional text formatting, but it's being weaponized to trick users.

The RLO Character:

The RLO character influences text display, making text appear right-to-left, commonly used in languages like Arabic and Hebrew.

Exploiting File Extensions:

Malicious actors use the RLO character cleverly within file names to manipulate how extensions are displayed.

Example: "invoice.pdf" becomes "invoice\u202Efdp.exe," visually appearing as "invoiceexe.pdf."

The Deception:

Users may see a harmless file when it's actually a dangerous executable. The ".exe" extension is hidden, luring users into a false sense of security.