

BIP 0073 - Use "Accept" header for response type negotiation with Payment Request URLs

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Table 1: Data sheet for Use "Accept" header for response type negotiation with Payment Request URLs

Title	Use "Accept" header for response type negotiation with Payment Request URLs
Layer	Applications
Author	Stephen Pair
Comments-Summary	No comments yet.
Comments-URI	https://github.com/bitcoin/bips/wiki/Comments:BIP-0073
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Description	https://github.com/bitcoin/bips/blob/master/bip-0073.mediawiki

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Abstract

This BIP describes an enhancement to the payment protocol ([BIP 70](#)) that addresses the need for short URLs when scanning from QR codes. It generalizes the specification for the behavior of a payment request URL in a way that allows the [client](#) and server to negotiate the content of the response using the HTTP Accept: header field. Specifically, the client can indicate to the server whether it prefers to receive a bitcoin URI or a payment request.

Implementation of this BIP does not require full payment request ([BIP 70](#)) support.

Motivation

The payment protocol augments the bitcoin: uri scheme with an additional "payment" parameter that specifies a URL where a payment request can be downloaded. This creates long URIs that, when rendered as a QR code, have a high information density. Dense QR codes can be difficult to scan resulting in a more frustrating user experience. The goal is to create a standard that would allow QR scanning wallets to use less dense QR codes. It also makes general purpose QR code scanners more usable with bitcoin accepting websites.

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