

Display Filter Reference: Bitcoin protocol

Protocol field name: bitcoin**Versions:** 1.10.0 to 3.6.3[Back to Display Filter Reference \(../\)](#)

Field name	Description	Type	Versions
bitcoin.addr	Address message	Label	1.10.0 to 3.6.3
bitcoin.addr.address	Address	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.addr.count	Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.addr.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.addr.timestamp	Address timestamp	Date and time	1.10.0 to 3.6.3
bitcoin.address.address	Node address	IPv6 address	1.10.0 to 3.6.3
bitcoin.address.port	Node port	Unsigned integer, 2 bytes	1.10.0 to 3.6.3
bitcoin.address.services	Node services	Unsigned integer, 8 bytes	1.10.0 to 3.6.3
bitcoin.block	Block message	Label	1.10.0 to 3.6.3
bitcoin.block.bits	Bits	Unsigned integer, 4 bytes	1.12.3 to 3.6.3
bitcoin.block.merkle_root	Merkle root	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.block.nonce	Nonce	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.block.num_transactions	Number of transactions	Unsigned integer, 1 byte	1.10.0 to 3.6.3

bitcoin.block.num_transactions64	Number of transactions	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.block.prev_block	Previous block	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.block.timestamp	Block timestamp	Date and time	1.10.0 to 3.6.3
bitcoin.block.version	Block version	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.checksum	Payload checksum	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.command	Command name	Character string	1.10.0 to 3.6.3
bitcoin.command.unknown	Unknown command	Label	1.12.0 to 3.6.3
bitcoin.data.count	Count	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.data.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.data.value	Data	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.filteradd	Filteradd message	Label	2.0.0 to 3.6.3
bitcoin.filteradd.data	Data	Label	2.0.0 to 3.6.3
bitcoin.filterload	Filterload message	Label	2.0.0 to 3.6.3
bitcoin.filterload.filter	Filter	Label	2.0.0 to 3.6.3
bitcoin.filterload.nflags	nFlags	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.filterload.nhashfunc	nHashFunc	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.filterload.ntweak	nTweak	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.getblocks	Getdata message	Label	1.10.0 to 3.6.3
bitcoin.getblocks.count	Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3

bitcoin.getblocks.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.getblocks.hash_start	Starting hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.getblocks.hash_stop	Stopping hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.getdata	Getdata message	Label	1.10.0 to 3.6.3
bitcoin.getdata.count	Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.getdata.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.getdata.hash	Data hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.getdata.type	Type	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.getheaders	Getheaders message	Label	1.10.0 to 3.6.3
bitcoin.getheaders.count	Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.getheaders.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.getheaders.hash_start	Starting hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.getheaders.hash_stop	Stopping hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.headers	Headers message	Label	2.0.0 to 3.6.3
bitcoin.headers.bits	Bits	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.headers.count	Count	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.headers.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.headers.merkle_root	Merkle root	Sequence of bytes	2.0.0 to 3.6.3

bitcoin.headers.nonce	Nonce	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.headers.prev_block	Previous block	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.headers.timestamp	Block timestamp	Date and time	2.0.0 to 3.6.3
bitcoin.headers.version	Block version	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.inv	Inventory message	Label	1.10.0 to 3.6.3
bitcoin.inv.count	Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.inv.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.inv.hash	Data hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.inv.type	Type	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.length	Payload Length	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.magic	Packet magic	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.merkleblock	Merkleblock message	Label	2.0.0 to 3.6.3
bitcoin.merkleblock.bits	Bits	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.merkleblock.flags.count	Size	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.merkleblock.flags.count64	Size	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.merkleblock.flags.data	Data	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.merkleblock.hashes.count	Count	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.merkleblock.hashes.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.merkleblock.hashes.hash	Hash	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.merkleblock.merkle_root	Merkle root	Sequence of bytes	2.0.0 to 3.6.3

bitcoin.merkleblock.nonce	Nonce	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.merkleblock.num_transactions	Number of transactions	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.merkleblock.prev_block	Previous block	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.merkleblock.timestamp	Block timestamp	Date and time	2.0.0 to 3.6.3
bitcoin.merkleblock.version	Block version	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.notfound	Getdata message	Label	2.0.0 to 3.6.3
bitcoin.notfound.count	Count	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.notfound.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.notfound.hash	Data hash	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.notfound.type	Type	Unsigned integer, 4 bytes	2.0.0 to 3.6.3
bitcoin.ping	Ping message	Label	2.0.0 to 3.6.3
bitcoin.ping.nonce	Random nonce	Unsigned integer, 8 bytes	2.0.0 to 3.6.3
bitcoin.pong	Pong message	Label	2.0.0 to 3.6.3
bitcoin.pong.nonce	Random nonce	Unsigned integer, 8 bytes	2.0.0 to 3.6.3
bitcoin.reject	Reject message	Label	2.0.0 to 3.6.3
bitcoin.reject.ccode	CCode	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.reject.data	Data	Sequence of bytes	2.0.0 to 3.6.3
bitcoin.reject.message	Message rejected	Label	2.0.0 to 3.6.3
bitcoin.reject.reason	Reason	Label	2.0.0 to 3.6.3
bitcoin.script_length.invalid	script_len too large	Label	2.2.0 to 3.6.3
bitcoin.services.network	Network node	Boolean	1.10.0 to 3.6.3
bitcoin.string.count	Count	Unsigned integer, 1 byte	1.12.0 to 3.6.3

bitcoin.string.count64	Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.string.value	String value	Character string	1.12.0 to 3.6.3
bitcoin.tx	Tx message	Label	1.10.0 to 3.6.3
bitcoin.tx.in	Transaction input	Label	1.10.0 to 3.6.3
bitcoin.tx.in.prev_output	Previous output	Label	1.10.0 to 3.6.3
bitcoin.tx.in.prev_output.hash	Hash	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.tx.in.prev_output.index	Index	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.tx.in.script_length	Script Length	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.tx.in.script_length64	Script Length	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.tx.in.seq	Sequence	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.tx.in.sig_script	Signature script	Sequence of bytes	1.10.0 to 3.6.3
bitcoin.tx.input_count	Input Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.tx.input_count64	Input Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.tx.lock_time	Block lock time or block ID	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.tx.num_transactions	Number of transactions	Unsigned integer, 2 bytes	1.10.0 to 1.12.13
bitcoin.tx.out	Transaction output	Label	1.10.0 to 3.6.3
bitcoin.tx.out.script	Script	Sequence of bytes	1.10.0 to 3.6.3

bitcoin.tx.out.script_length	Script Length	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.tx.out.script_length64	Script Length	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.tx.out.value	Value	Unsigned integer, 8 bytes	1.10.0 to 3.6.3
bitcoin.tx.output_count	Output Count	Unsigned integer, 1 byte	1.10.0 to 3.6.3
bitcoin.tx.output_count64	Output Count	Unsigned integer, 8 bytes	2.2.0 to 3.6.3
bitcoin.tx.version	Transaction version	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.version	Version message	Label	1.10.0 to 3.6.3
bitcoin.version.addr_me	Address of emmitting node	Label	1.10.0 to 3.6.3
bitcoin.version.addr_you	Address as receiving node	Label	1.10.0 to 3.6.3
bitcoin.version.nonce	Random nonce	Unsigned integer, 8 bytes	1.10.0 to 3.6.3
bitcoin.version.relay	Relay flag	Unsigned integer, 1 byte	2.0.0 to 3.6.3
bitcoin.version.services	Node services	Unsigned integer, 8 bytes	1.10.0 to 3.6.3
bitcoin.version.start_height	Block start height	Unsigned integer, 4 bytes	1.10.0 to 3.6.3
bitcoin.version.subver	Sub-version string	Character string	1.10.0 to 1.10.14
bitcoin.version.timestamp	Node timestamp	Date and time	1.10.0 to 3.6.3
bitcoin.version.user_agent	User agent	Label	1.12.0 to 3.6.3
bitcoin.version.version	Protocol version	Unsigned integer, 4 bytes	1.10.0 to 3.6.3

Wireshark and the "fin" logo are registered trademarks. | [Twitter \(https://twitter.com/wiresharknews\)](https://twitter.com/wiresharknews)
| [Privacy policy \(https://sysdig.com/privacy-policy/\)](https://sysdig.com/privacy-policy/) [Back to top](#)