



bitshares

HacktheDex

Report 20180807E

Type

Denial of Service through broadcasting prepared transactions

Description

You can nest proposals, each proposing to approve the child proposal, seemingly with no limit. Once you approve the outer most proposal, it will trigger blockchain evaluation all of the child proposals within the one block. Since it evaluates them all at the one time with no limit, this can create significant load on nodes. Cost is significant due to create proposal fee.

Review

OWASP Rating	
Likelihood	Low
Impact	High
Severity	Medium

Possible attack vector: Broadcast a proposal that causes a minority fork or even chain halt for sustained attacks due to CPU overload.

Reviewers: Fabian Schuh, Peter Conrad, Ryan Fox, abit

Resolution

BitShares core [was fixed](#) on 16th of August following a mandatory upgrade for block producers.

Reported 2018-08-07

Accepted 2018-08-14

Fixed 2018-08-16

Reward Consensus

Reward	3,000 bitUSD
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