

As mentioned to [@paulcadman](#) this morning, I am trying to figure out how the nonce

, rseed

, and npk

value of a resource can/should be populated in transaction function.

In particular, I would need transaction functions to be able to create a new resource r and then use its commitment cm in the tx.extra

data mapping.

For this to work, the r

plaintext must be complete already to produce the correct $cm = h_{\{cm\}}(r)$

.

My question is:

How are the above mentioned fields populated during transaction function execution time?

My guess is:

The npk

value can probably be provided as an input argument to the transaction function.

The nonce

probably shouldn't be an input because a user can pick one being already taken.

The rseed

probably shouldn't be an input because it could allow attackers to game/exploit applications.

Has anyone already thought about this and the communication between the Anoma node and an application transaction function potentially being required here?

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