

Chapter 5

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5.0 Òrò Sàtòşí Nakamòtò: Bitcoin na mgbanwe nzuzo

Sàtòşí Nakamòtò, onye okike sayensí ụwa na onye ọchịchị siri ike, nwere nrọ maka ọdinihu ebe usoro ego ga-abụ nke kwụ n'ahịrị, doo anya, ma burụkwa nke a pụrụ ịdabere na ya—n'ala nke ọ na-elekọta ọchịchị na ụlọ akụ anya. Na 2008, Sàtòşí bidoro mgbanwe nnwere onwe site n'ịkọpụta akwụkwọ ọcha Bitcoin. Ọ kọwara ojiji nke mbụ a pụrụ ime maka teknụzụ blockchain. Bitcoin bilitere dị ka akara nke olileanya na nchegbu n'ụwa ebe nsogbu ego na ntigharị aka na ụlọ akụ ndị a na-adabere na ya nọ. Ndụ Bitcoin nke mbụ mere na February 2009. E jiri ya arụ ọrụ n'echiche nke ịchọ imepụta usoro ego nke na-adabereghị n'ọchịchị, Bitcoin Sàtòşí nyekwara ike n'aka ndị mmadụ, na-eme ka ndụ ụwa malite, ma megide ojiji nke oge gboo na ịkwado obodo nke na-akwado nnwere onwe usoro ego.

5.1 Ífỵèsí n'ebe Bitcoin na Zcash

Afọ asaa ka e mesiri, n'afọ 2016, otu ndị ọkachamara na ndị nchọpụta guzobere Zcash. Ebumnuche ha bụ imepụta usoro nnwere onwe dị ka nke Bitcoin nke Satoshi hiwere, karịsịa site n'inyekwu nzuzo. (E nwere nkọwa ndị ọzọ gbasara nke a.) Zcash bụ, n'ezie, usoro nke e kewapụtara na Bitcoin, nke pụtara na ha were koodu Bitcoin wee mepụta mgbanwe. Echiche maka Zcash ka a kọwara mbụ n'akwụkwọ ọcha nke ha wepụtara

n'afọ 2014 site n'aka ndị otu na MIT, Johns Hopkins University, Technion, na Tel Aviv University, wee guzobe ya na afọ na-esote na-esoo Zooko Wilcox-O'Hearn na Electric Coin Co. (ECC; nke a makwaara dị ka Zcash Company).

Ndị mmadụ na-eji ZEC eme ka ego ha ghara ịmụta, nke nwere nchebe yana ọzụzụ na-enyere aka. Ọ bụ sistemụ a na-anabata, na-arụ ọrụ ọsọ ọsọ, bara uru, ma dịkwa maka onye ọ bụla—nke e mere maka oge dijitalụ. Ị nwere ike ịji ya zụta ihe ọ bụla, site n'ime achịcha ruo n'ịga njem n'akụkụ osimiri. Ị nwere ike ịji ekwentị mkpanaaka gị kwụọ ego n'ime Zcash n'enweghị onye ọ bụla mara, zipu ego na mba ọzọ, zụta nri, ma ọ bụ tinye aka na onyinye maka ọrụ ọma ọ bụla. Ị nwekwara ike ịji ngwaọrụ ndị ọzọ dị ka Flexa SPEDN kwụọ ụgwọ na Zcash na Lowe's, Nordstrom, Baskin Robbins, na ọtụtụ ebe ndị ọzọ. Ụlọ ọrụ dị ka Moon na-enye gị ohere ịji Zcash rụọ ọrụ n'ịntanetị ebe ọ bụla a na-anabata Visa.

5.1.1 "Gịnị bụ Bitcoin? Gịnị bụ Zcash?"

Bitcoin (BTC) bụ ụdị ego eletrọnịkị nke onye ọ bụla nwere ike izipu na ịnweta na netwọkụ Bitcoin. A pụkwara idobe Bitcoin n'ime akpa ego dijitalụ, na ekwentị mkpanaaka ma ọ bụ kọmputa, nke na-emepe ndekọ nke e kesara. Chee echiche banyere ya dị ka ndekọ buru ibu na ịntanetị, nke onye ọ bụla nwere ike ịnweta, ebe ihe ndekọ nke azụmahịa niile dị na-ahụ anya.

Dị ka Bitcoin, Zcash bụ ego dijitalụ, nke dabere na isi-ojii, teknụzụ a na-akpọ blockchain, ma o nwere usoro ihe akaebe nzuzo siri ike nke na-eche kwa ndekọ ahụ pụọ na aghughọ, na-eme ka ndị na-eji ego nwee ike ichekwa akụkọ azụmahịa ha."

5.1.2 Gịnị bụ ọdịiche dị n'etiti Zcash na Bitcoin?

Ekwentị kachasị mfe ikowa Zcash bụ na ọ bụ ego dijitalụ dị ka Bitcoin, mana ọ na-eche kwa nzuzo ndị na-eji ya, kama igba ama banyere akụkọ azụmahia ha. Mgbe Bitcoin pụtara na 2009, ọ bụ ego dijitalụ nke enweghị usoro ụlọ ọrụ maka azụmahia mbụ. A na-eme ka azụmahia Bitcoin niile pụta ihè, ha na-eme ka ha bụrụ onye nnabata na blockchain, akwụkwọ ndekọ a na-enweta, nke pụtara na onye ọ bụla n'ụwa nwere ike ihu ndepụta azụmahia ndị mmadụ na ihe ndị ha tinyere na azụmahia ha. Nsogbu enweghị nzuzo a bụ ihe ndị na-emepụta Zcash kpebiri imeziwanye na 2016, ndị ọkà mmụta sayensị nzuzo were koodu isi Bitcoin wee tinye ihe akaebe na-enweghị ihe ọmụma (zero-knowledge proofs) iji mepụta Zcash.

Zcash na-enye ụdị nkasi obi niile Bitcoin na-enye, mana na-enye ohere nzuzo zuru oke iji chekwaa akụkọ azụmahia ndị na-eji ya. Enwerekwa ọdịiche dị iche iche dị mkpa, dị ka usoro nhazi mmepe Zcash, oge ndekọ azụmahia ngwa ngwa, nchekwa nzuzo na blockchain, na ọsọ azụmahia dị elu, tinyere ọtụtụ ngwaọrụ ndị ọzọ.

5.1.3 Gịnị kpatara i kwesiri iju banyere Zcash?

Zcash na-enye ndị mmadụ ohere iziga ego dijitalụ na ozi ndị ọzọ n'enweghị usoro ma ọ bụ ndị na-achikwa dika ụlọ akụ ma ọ bụ ụlọ ọrụ gọọmentị. Site na iji usoro ego nke onwe, mmekọrịta, na-enweghị usoro, Zcash na-enye ndị mmadụ ike ichekwa ego ha na ime azụmahia na ndị ọzọ, na-enweghị ọ dị mkpa ikowa ha na ọha ma ọ bụ ụlọ ọrụ dị iche iche nke na-ekpughe ego ha. Zcash na-enye ndị mmadụ nnwere onwe ikọ ma ha choro ikowa akụkọ banyere azụmahia ha na ndị ọzọ ma ọ bụ na ọ bughị.

Zcash na-edozi nnukwu nsogbu Bitcoin: nzuzo na njikọ data. N'ụwa ebe ngwa blockchain na ego dijitalụ na-agbanwe, azụmahia na-enweghị nzuzo, dị ka nke Bitcoin, enweghị nhoro nke ọma iji chekwaa nzuzo ndị na-eji ya. Ngwa nyocha na-aghawanye ike kwa ụbọchị, na-enyekwa ohere maka ndị mmadụ na ụlọ ọrụ ileba anya ma soro azụmahia blockchain.

5.1.4 Gịnị na-eme ka Zcash nwee uru ya?

Ndị mmadụ nwere ike ịjị ZEC chekwaa akụ na nzuzo. E nwere naanị nde 21 ZEC, nke pụtara na akụ a ga-adịgide. Mgbe nde ZEC 21 pụtara, akụ a ga-abụ ego nke enweghị mmeputa ọzọ. Ego ndị a na-enweghị mmeputa ọzọ bụ ezigbo ihe atụ nke enweghị infleshon mgbe goomenti na-ebi ego dī n'eluigwe na ala. Zcash emechala ka ọ bụrụ ezigbo netwọk kemgbe mmalite ya na 2016, ma na-aga n'ihu na-enye uru maka ndị na-achị blockchain na ndị na-ahụ maka nzuzo n'ụlọ ahịa. Ihe akaebe na-enweghị ihe omuma zk-SNARKs enyela ha aka ime mgbanwe nzuzo maka ịjị blockchain n'ahịa ụwa. Ndị na-eji ya na ndị ahịa ụlọ ọrụ na-enwe mmasi na njirimara, uru, na njikwa Zcash.

5.1.5 Gini kpatara m ji kwesiri ilebara ya anya?

Zcash na-enye ndị mmadụ ohere ime azumahia n'ezị usoro ụlọ ọrụ nke nwere ike ime ka akụkọ ha pụta ihè ma ọ bụ debe ha na nzuzo, na ikọ akụkọ banyere azumahia ha na ndị ọzọ ma ọ bụ ichekwa ozi ha. Usoro izipu ego dijitalu na-enweghị usoro a na-echedekwa nnwere onwe okwu na nnwere onwe mmekọrịta—tinyere nnwere onwe ibụ mmadụ, ikpughe onwe gi, ma ọ bụ ibụ ihe masiri gi! Ndị na-eji Zcash nwere ike iziga ego na ndị ọrụ, iziga ego na mba ọzọ, ma ọ bụ iziga ego na enyi, na-enweghị mkpa ikpwa onwe ha ma ọ bụ na-enweghị nsogbu banyere nchedekwa ego ha. Site na uru Zcash nke nde 21 dī ka Bitcoin, ndị na-eji ya nwere ike idabere na nke ha na-enweghị nsogbu infleshon site n'aka ụlọ ọrụ na-eme ka ọ ka mma.

5.2 Gini bụ Zcash?

Zcash na-enye ndị ahịa nhoro abuo maka azumahia: nke pụtara ihè (ebe onye ọ bula nwere ike ihu) na nzuzo (nke na-anogide na nzuzo). Ha abuo na-eme n'otu ntaneti Zcash, mana otu esi aru ọrụ dī iche iche n'uzo. Site na usoro nzuzo, Zcash na-eji ihe a maara dī ka zero-knowledge proofs ịjị chekwaa azumahia ahụ. Nke bụ isi, Zcash na-eji zk-SNARKs, ụdị ihe akaebe zero-knowledge. zk-SNARK pụtara "Zero-Knowledge Succinct Non-Interactive Argument of Knowledge," ma ọ na-ezo aka na usoro ihe akaebe ebe onye nwere ike igosi na ọ nwere ihe omuma zuru oke gbasara ihe ụfodu, dika omumaatu, ọ na-eme ka ọ bụrụ na o nwere ego zuru oke na akauntụ ya, na-enweghị igosi ihe omuma ahụ ma ọ bụ ebe ọ dī, na-enweghị mmekọrịta ọ bula n'etiti onye choro igosi ihe akaebe ahụ na onye na-achọ ihe akaebe ahụ. Taa, ihe akaebe zero-knowledge bụ usoro ihe akaebe nke nwere ike igosi nghota ma na-echedekwa ihe omuma

ahụ na nzuzo. Dịka omumaatụ, na Zcash, mgbe mmadụ na-eme azumahia, ihe akaebe zero-knowledge na-arụ ọrụ iji gosi na onye na-ebufe ego nwere ego zuru oke na-enweghị igosi ihe dị n'ime ego ahụ na onye ọ bụla."

Olee otú e si eji Zcash ọhụrụ abanye na network?

Onụ ọgụgụ Zcash bụ nde 21 ZEC n'ozuzu ya. N'ime sekọnd 75 ọ bụla, a na-emepụta nnukwu Zcash ọhụrụ na network Zcash, na uru mmeputa ahụ bụ 3.125 ZEC, nke na-abanye n'ime oghere mmalite network ahụ. Uru mmeputa a na-adaba nwayọ nwayọ n'ime otụtụ afọ, na ndị ZEC niile ga-adị na ya ruo mgbe ha niile ga-abanye n'ahia. Ụdị Zcash na-enweta ihe yiri nke Bitcoin. Nke a pụtara na mgbe ego ọhụrụ na-abia n'ahia, ọnụego mmeputa na-ebelata, na n'oge ọ bụla afọ anọ, uru mmeputa ahụ na-ebelata ọzọ.

Nkwuputa banyere mmeputa na nzuzo Zcash

Adreesị Zcash nke ezoro ezo na-eche kwa akụkọ akụ gị nke oma. Adreesị ahụ na-eme ka ozi niile gbasara ego na ihe ndị a na-arụ ọrụ ya ghara iputa n'ihu ọha. Dị ka ị na-eji teknụzụ Zcash, ị na-ahụ ka ọ na-emeghe na ọ na-ezobe ihe ọfọdu, mana ị maghị ma ozi ahụ bụ nke eziokwu ma ọ bụ nke ọzọ. Ị na-egosikwa ya onye ị na-ejikọta ya, onye nwere ike ime ihe ọ bụla n'echiche. Ọ na-ekwu maka ọdịdị ahụ, mana ị maghị ma ọ bụ eziokwu.

5.2.1 Ọdịiche n'ọpụpụ Zcash

Onụ ọgụgụ Zcash zuru oke bụ nde 21 ZEC n'ozuzu ya. N'ime sekọnd 75 ọ bụla, a na-emepụta Zcash ọhụrụ, ma uru mmeputa a bụ 3.125 ZEC, nke a na-ekekọrịta n'etiti ndị na-emepụta ya na ndị na-akwado mmepe Zcash. Onụ ọgụgụ uru mmeputa a na-ebelata kwa afọ anọ ruo mgbe ZEC niile ga-abanye n'ahia. Ụdị mmeputa Zcash na-arụ ọrụ dịka Bitcoin, ya mere, ọ bụ ihe dị mkpa ka ị mara na mgbe ego ọhụrụ na-abia, ọnụego ya na-ebelata, ma ọ bụrụ na ọ bụla mgbanwe ukwu dị, uru mmeputa ahụ na-adaba n'ala.

5.2.2 Adreesị Zcash ejiri echebe ego na nzuzo

Adreesị Zcash bụ adreesị echedoro nke ọma na netwọk. Ọnụ ọgụgụ nke ego na adreesị ndị a na-eji echekwa ozi dị n'ime netwọk ahụ ka ezeghara ihe ọ bụla n'ihu ọha. Ọ bụrụ na ị na-akpọputa Zcash site na adreesị izoro ezo (z-adreesị) ma zipụ ya na onye na-enweta na adreesị ha na-amalite na "z," ị nwere ike nwee ntụkwasị obi na ozi na-edobe na nzuzo zuru oke. A na-echekwa ụgwọ ahụ na nzuzo zuru oke, na adreesị

abụọ ahụ ga-egosi naanị nomba na akwụkwọ ozi ndị metụtara ọrụ ahụ.

Usoro ọrụ Zcash dị iche iche. E nwere ụdị adreesị atọ dị na Zcash ugbo a: t-adreesị, z-adreesị, na unified adreesị (u-adreesị). T-adreesị bụ adreesị ndị ahụ gosiputara n'ụwa niile n'usoro ọrụ dika Bitcoin. Z-adreesị bụ adreesị ndị echedoro nke na-enyekwa nzuzo zuru oke. Unified adreesị (u-adreesị) bụkwa adreesị ọhụụ nke na-enyere aka n'ịchịkọta usoro ọrụ niile, na-enye ohere maka ikpocha ego nke ọma n'efu.

Ịnwe nkwa nzuzo Zcash. Ọ bụrụ na ị zipụ ego site na z-adreesị gaa na z-adreesị ọzọ, na mgbakwunye na nzuzo zuru oke, a na-echekwa uru ego ahụ nke ọma. Maka ego na-abanye n'adreesị t ma ọ bụ z, nzuzo ahụ adighị agbanwe agbanwe, ma ka ezeghara ya kpamkpam. Unified adreesị na-eje ozi dị ka usoro arụ ọrụ zuru ụwa ọnụ, na-enye aka maka iyi nzuzo zuru oke na n'ọdinihu. Site na autoshielding, ego na-adabanye n'ime nchekwa na-akpaghị aka ma eleghị anya ọ bụla ọzọ.

Ụdị adreesị Zcash Ugbo a, e nwere ụdị adreesị atọ a na-eji ruo taa. Ndi a bu ndi a:

TYPES OF ZCASH ADDRESSES

Currently there are three main types of addresses in use to date. These include

TRANSPARENT

tlgoiSyw2JinFCmUnfiwwp72LEZzD42TyYu



SAPLING

*zslcpf4prtmnqpg6x2ngcrwelu9a39z9l9lquk
q9fwagnaqrkn k34a7n3szwxpjuxffdxkuzykel53*



UNIFIED ADDRESS (FULL) IMAGE PLACEHOLDER

*ulckeydud0996ftppqrnpdsqyeq4e57qcyjr4raht4dc8j3nju
yj3gmm9yk7hq9k88cdkqfuqsgpcpjfhwu3plm2vrd32g8du78k
zkm5un357r4vkhz4vhxd4yfl8zvszk99cm89qv4trd7jzkcs8
h6lukzgy25j8cv76p0g603nrrg6yt6cxsh2v8rmkasskd69ylfy
phhjv0cxs*



FOR MAXIMUM PRIVACY, ALWAYS USE Z- OR U-ADDRESSES.

**N'ihì nzuzo kacha elu, jiri adreesì Z- ma ọ
bù U- mgbe niile.**

5.2.3

Olee otú blockchain si eji akọwa onye zipurú Zcash? Mgborogwu ma ọ bụ ụdị igi Merkle bụ osisi nke nwere akpukpọ anụ na mkpuru akwukwọ nke na-egosi asambodo nzuzo cryptographic nke data ụfọdụ. Osisi Merkle bụ ihe atụ nke usoro asambodo cryptographic. Mgborogwu osisi ahụ ka a na-ewere dị ka ntuziaka zuru oke, ebe mkpuru akwukwọ ndị ahụ bụ nkwenye na ha bụ akukụ nke ntuziaka ahụ.

Ha na-enyocha data e chebere ma ọ bụ zipurú n'etiti netwọk P2P (peer-to-peer) na-ekwenye na e gbanweghị data ndị ahụ site n'aka ndị ọzọ. N'ime usoro nchekwa Zcash Sapling na Orchard, a na-eji usoro

Mgborogwu Mmesi (Note Commitment Tree) kwado oru niile ma na-enyere aka ichebe onye zipuru, onye natara, na ego niile a ziri.

5.2.4 I nwere ike iju, o bu Zcash di nchebe?

Ee, n'ezie. Usoro Zcash bu otu n'ime usoro iziga ego nke nzuzo na-atọ uto n'ụwa. Ozokwa, o na-enweta nkwado di ukwu site n'aka ulo oru nzuzo ndi ozọ dika Namada na Penumbra. Eweputara otutu nyocha na nchekwa nke Zcash, gunyere ihe mgbakwunye cryptographic nke na-enyere aka mee ka azumahia ndi a buru ihe nzuzo.

5.2.5 Olee otu m ga-esi zipu ma o bu nweta azumahia Zcash?

- Lelee na akauntu gi jikotara na okwa nchekwa kachasi oheru.
- O buru na o dakotara, i nwere ike inwe ntukwasi obi na azumahia gi bu nke zuru oke n'iji aku gi niile.
- Tinnye adreesi ejikoro nke onye natara n'ime ngalaba "adreesi". I nwere ike ipipu adreesi ahụ ma o bu jiri QR koodu onye gi na ya na-aruko oru.
- Tinnye ego ichoro izipu; ego ahụ ga-aputa na-enweghi igbu oge.
- Tinnye memo jikoro na azumahia gi. Cheta: Adreesi nzuzo anaghi anabata memo.
- Kwado azumahia ahụ ma pia "zipu".
- Onu ogugu block Zcash bu 75 sekond, o nwere ike were mmadu 1-2 nkeji ka onye natara nweta okwa maka ego ahụ. Dabere na onodu nke akauntu onye natara, ha nwere ike inodu ala nkeji ole na ole ka ha wee nwee ike iji Zcash.

5.2.6 Olee otú azumahia Zcash si arụ ọrụ?

Ị chọrọ iziga Zcash na enyi? Gaa n'ihu mee ihe ndị a:

1. Gị abụọ kwesiri inwe akauntụ Zcash.
2. N'ime ngalaba "zipụ," jiri QR koodu iji nyochaa adresị nke enyi gị ma ọ bụ tinye adresị U ma ọ bụ Z ha.
3. Zipụ memo, dị ka: "Ndewo, nabata na Zcash."

5.2.7 Ọ Zcash nwere ike ikwusi?

Ee, Zcash bụ akụ nke onwe nke nzuzo nke ndị mmadụ n'ụwa niile na-ejikwa.

Ngwanrọ ya dilari n'efu, ma ọ bụkwa nke orisun na-emege. Enweghi ọchichi ma ọ bụ otu pụrụ iche na-achikwa ntughari azumahia Zcash.

N'ihia usoro nzuzo ya, Zcash na-eme ka ọ gaghi ekwe omume ikwusi netwọk ahụ.

5.3 Onye na-agba ọsọ na onye na-edu Zcash n'ụwa?

Electric Coin Co. (ECC) bụ ụlọ ọrụ meputara na weputara Zcash na 2016. Taa, ECC na otu ndi ọzọ na-enweghi isi na-emekwa ka obodo Zcash buru ndi ọrụ site na mmepe teknuzu, nyocha na inabata ọha mmadu. ECC amaara di ka otu n'ime ndi okachamara cryptography kacha aru ọrụ n'ụwa. N'afọ 2016, ọ ghorọ ndi mbu jiri teknuzu ukọ nghota (zero-knowledge cryptography) n'orụ, na afọ 2022, ndi injinia ECC weputara Halo, usoro ukọ nghota nke ga-eme ka blockchain ghara inwe oke okporo uzọ ma na-enye nzuzo zuru oke maka oge mbu. Enwere otutu otu ndi na-arụ ọrụ iji wunye Halo n'ime ngwaahia ha.

Zcash Foundation (ZF)

Ile-ışe Zcash (ZF) bụ ọgbako ọrụ alanu 501(c)(3) nke na-arụ ọlọ ọrụ nzukọ ego maka ọdịmma ọha, na-arụ ọrụ na mbụ maka ndị ọrụ usoro Zcash na blockchain. Ha, tinyere ndị ọzọ, na-arụ ọrụ iyi hụ na usoro Zcash na netwọk mepere emepe nke na-arụ ọrụ ya nọ n'ikwusi na idị iche. Ụfọdụ n'ime ihe okike ndị dị mkpa nke ZF na ngalaba a bụ mmepe Zebra, nodi Zcash nke oge a, na FROST, usoro asụsụ. Ọlọ ọrụ ahụ na-ahụkwa maka Zcon, nzukọ afọ kwa afọ nke na-elekwasị anya na teknụzụ nzuzo na usoro Zcash, na-akwado ọrụ ndị obodo dị ka Zcon Vozes, Ọgbako A/V na ọtụtụ oku ndị obodo mepere emepe ndị ọzọ na AMAs. Na mgbakwunye, Ọlọ ọrụ ahụ na-ebuwanye Zcash n'ihu site n'ikekorita na ọtụtụ ọrụ na usoro Minor Grants ya, ọrụ nnyocha n'ime na n'èzí, na inye nkwado njikwa maka Zcash Community Grants (ZCG).

Zcash Community Grants (ZCG)

Zcash Community Grants (ZCG) na-enye nkwado maka ọrụ ndị na-emeziwanye iyi, nchedo, nzuzo, na nnweta Zcash. ZCG bụ otu echiche teknụzụ nke bụ akụkụ nke Ọlọ ọrụ Zcash, n'okpuru iwu ya. A na-ahọrọ ndị na-enyere ọrụ site na otu ndị otu ise nke a họtara site n'òtù ndị isi obodo Zcash.

Işe oru ọhụrụ nke ZCG kwadoro bụ:

- Zcash Shielded Assets (ZSA) nke otu QEDIT na-eduga, nke na-eweta DeFi na Zcash site na usoro nkwunye ego ọhụrụ nke na-etinye ụdị ndị ọzọ na mainnet.
- Akwụkwọ a na-ahụ anya nke Zcash Media nke na-egosi ndị Zcashers ama ama dika Edward Snowden, Zooko Wilcox, na Deirdre Connolly.
- Usoro nkwunye ego na atumatụ Point-of-sale nke dị mfe nke nwere bọtịnụ otu maka ọlọ ahịa dị na ala, nke ZGo na-arụ.
- Eto Agbaye Ambassador, nke na-enyere Zcash aka inweta nnọchiteanya n'ofe ụwa.

ZecHub

ZecHub bụ ọlọ ọrụ ọmụmụ oru mmemme mepere emepe nke na-elekwasị anya na Zcash, nwere obodo nke ejikọtara ọrụ nke ndị na-enye ọrụ na-ebiputa

nsughari, akwukwo akuko, bloogu, nduzi, nkwuputa, na otutu ihe ndi
ozo.