



Zcash Mempool Visualizer

Primary Contact:	James Katz
Amount requested:	\$18,400 USD (upon completion of grant)
Grant Description:	<p>A Mempool Visualizer for Zcash.</p> <p>txstreet.com is a famous website for visualizing mempool transactions for Bitcoin, Ethereum, Monero and others. But they don't support Zcash.</p> <p>I propose to create our own mempool visualizer.</p> <p>The visualizer will be a website, name not defined yet.</p> <p>This website will be written in javascript and a html5 graphics library like PIXI.</p> <p>The front-end website will rely on a zcash full node instance for RPC calls, I'll probably use Zebra.</p> <p>This proposal includes:</p> <ul style="list-style-type: none">- Development of Zcash Mempool Visualizer Website- Run a Zebra full node- Full support for at least 1 year. <p>There's only 1 deliverable:</p> <ul style="list-style-type: none">- Zcash Mempool Visualizer Website and Zcash full node infrastructure

	<p>Development will take around 4 months, the payment of this grant, if approved, will be done upon completion of deliverable 1.</p> <p>Breakdown on the asked amount:</p> <p>Hosting a Zebra full node: $\\$200 * 12$ (1 year) = $\\$2400$ (this value should cover the expenses for cloud computing)</p> <p>Hiring an artist for all front-end art creation: $\\$1200$ (For creating the graphics, and updates, new skins, etc...)</p> <p>Developing back-end + front-end website and full support for 1 year: $\sim\\$1233.33 * 12$ (1 year) = $\\$14800$ (A typical Brazilian developer salary)</p> <p>Support will include bug fixes, full node updates, add new skins to front-end.</p>
Team:	<p>James Katz (@james_katz) - Background in IT, cryptocurrency enthusiast.</p> <p>I'm quite active on Zcash ecosystem and have already developed a few nice things for Zcash:</p> <p>Previous Zcash Minor Grants:</p> <ul style="list-style-type: none">- Dizzy (Zcash bot for discord)- Topsy (Zcash bot for telegram) <p>Other works:</p> <ul style="list-style-type: none">- ZecStats (Discord bot, display Zcash price and stats)- ZecQuiz (Discord bot for trivia questions)- ZecGPT (Discord bot with openai's gpt-4 model) <p>And many more.</p>