CONFIDENTIAL PURSUANT TO PROTECTIVE ORDER

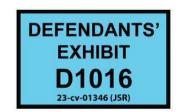
Short Message Report

Conversations: 1	Participants: 2	
Total Messages: 32	Date Range: 10/9/2020	

Outline of Conversations



DLUGDKY6N - 2020/10/09 - 32 messages on 10/9/2020 - Etienne Napoleone <etienne@terra.money> - Paul Kim <paul@terra.money>



TFL_SEC_00214227

FOIA CONFIDENTIAL TREATMENT REQUESTED BY TFL

D1016, Page 1 of 3



CONFIDENTIAL PURSUANT TO PROTECTIVE ORDER

Messages in chronological order (times are shown in GMT +00:00)

	DLUGDKY6N - 2020/10/09	
P	Paul Kim <paul@terra.money> <https: github.com="" lp-watcher="" terra-project=""></https:></paul@terra.money>	10/9/2020, 4:58 AM
P	Paul Kim <paul@terra.money> I made a project</paul@terra.money>	10/9/2020, 4:58 AM
E	Etienne Napoleone <etienne@terra.money> Hey Paul</etienne@terra.money>	10/9/2020, 5:48 AN
E	Etienne Napoleone <etienne@terra.money> Thanks</etienne@terra.money>	10/9/2020, 5:48 AN
E	Etienne Napoleone <etienne@terra.money> Just one question</etienne@terra.money>	10/9/2020, 5:49 AN
E	Etienne Napoleone <etienne@terra.money> Can you quickly explain me what's the role of lp-server?</etienne@terra.money>	10/9/2020, 5:49 AM
E	Etienne Napoleone <etienne@terra.money> Is it just tracking rewards? Or is it actually triggering the distribution of them?</etienne@terra.money>	10/9/2020, 5:50 AM
P	Paul Kim <paul@terra.money> Ip-server creates multisend transactions by receiving transaction information from Chai</paul@terra.money>	10/9/2020, 5:50 AM
Р	Paul Kim <paul@terra.money> In short: it basically replicates chai transactions</paul@terra.money>	10/9/2020, 5:51 AM
E	Etienne Napoleone <etienne@terra.money> Ahhh yes ok, this is mirroring chai traffic on chain kinda</etienne@terra.money>	10/9/2020, 5:51 AN
Р	Paul Kim <paul@terra.money> yes.</paul@terra.money>	10/9/2020, 5:51 AM
E	Etienne Napoleone <etienne@terra.money> So basically chai was still working, but no tx on chain so no rewards</etienne@terra.money>	10/9/2020, 5:51 AM
Р	Paul Kim <paul@terra.money> correct</paul@terra.money>	10/9/2020, 5:51 AM
P	Paul Kim <paul@terra.money> we have two queue layer in both chai and terra</paul@terra.money>	10/9/2020, 5:51 AM
P	Paul Kim <paul@terra.money> for making sure that we don't lost any of transactions</paul@terra.money>	10/9/2020, 5:52 AN
P	Paul Kim <paul@terra.money> (Maintenance can be always happen also)</paul@terra.money>	10/9/2020, 5:52 AM
P	Paul Kim <paul@terra.money> yes.</paul@terra.money>	10/9/2020, 5:56 AM

FOIA CONFIDENTIAL TREATMENT REQUESTED BY TFL

TFL_SEC_00214228

CONFIDENTIAL PURSUANT TO PROTECTIVE ORDER

P	Paul Kim <paul@terra.money> so the source code is really simple.</paul@terra.money>	10/9/2020, 5:57 AM
P	Paul Kim <paul@terra.money> <https: blob="" github.com="" index.ts#l41-l50="" lp-watcher="" master="" src="" terra-project=""></https:></paul@terra.money>	10/9/2020, 5:57 AM
P	Paul Kim <paul@terra.money> connect to websocket and sends rpc</paul@terra.money>	10/9/2020, 5:57 AM
P	Paul Kim <paul@terra.money> receive message from websocket</paul@terra.money>	10/9/2020, 5:57 AM
E	Etienne Napoleone <etienne@terra.money> Yep nice</etienne@terra.money>	10/9/2020, 5:57 AM
P	Paul Kim <paul@terra.money> and increase the counter</paul@terra.money>	10/9/2020, 5:57 AM
P	Paul Kim <paul@terra.money> https://github.com/terra-project/lp-watcher/blob/master/src/index.ts#L9-L31</paul@terra.money>	10/9/2020, 5:57 AM
P	Paul Kim <paul@terra.money> timer logic checks the counter, makes pagerduty incident if that happens</paul@terra.money>	10/9/2020, 5:58 AM
P	Paul Kim <paul@terra.money> ""WEBSOCKET_URL: '<ws: localhost:36657="" websocket="">', SERVICE_ID: 'P3PURMH', ESCALATION_POLICY_ID: 'PURBAIZ', EMAIL: 'paul@terra.money', AUTH_TOKEN: 'a4rY2K1SCxgfy-4KKM7h'""</ws:></paul@terra.money>	10/9/2020, 5:58 AM
P	Paul Kim <paul@terra.money> This is the environment variables I am using.</paul@terra.money>	10/9/2020, 5:59 AM
P	Paul Kim <paul@terra.money> hmm it would be better if we extract ALERT_THRESHOLD_PERIOD to environment variable as w</paul@terra.money>	10/9/2020, 5:59 AM vell
P	Paul Kim <paul@terra.money> not it is defined as 10 minutes</paul@terra.money>	10/9/2020, 6:00 AM
P	Paul Kim <paul@terra.money> I want to see if it is okay within Chai maintenance period.</paul@terra.money>	10/9/2020, 6:00 AM
Е	Etienne Napoleone <etienne@terra.money> and still have lp-watcher report the outage even if it's just maintenance</etienne@terra.money>	10/9/2020, 6:15 AM
E	Etienne Napoleone <etienne@terra.money>lol</etienne@terra.money>	10/9/2020, 10:11 AM

FOIA CONFIDENTIAL TREATMENT REQUESTED BY TFL

TFL_SEC_00214229