Zilliqa Schnorr Test

*] Code:

(* The code will simple emit event saying True or False for signature verification result. *)

*] Testnet contract address: (Load this in Savant IDE)

0x2c5d0bde39f7c4dcac6785ebeb9aa18d0dda554c

*] Follow the steps to generate signature and get public key for message using zilpay wallet:

- 1. On any webpage(can use ide page also) loaded from internet and open browser console.
- 2. Connect we the website using

zilPay.wallet.connect()

3. Get Signature and Pub key typing following code in console

zilPay.wallet.sign("zilliqa").then((s)=>{console.log(s)})

->Wallet will ask for signature, click on **sign** also check hash by clicking toggle hash button. (Signature may be different every time you sign)

5. It will log/print javascript object with like this



*] Verification of signature on chain

Take the **publicKey** and **signature shown above**; and **messageHash (not message)** which you can get by clicking hash toggle button on wallet popup as shown below

SEALA	
Neo Savant IDE Your signature is being requested	
Hash	
7b5b858fae45e43d3b9004a2bd87 36f040fafe1f83043dbe738eb81c 4996e88f	
Cancel	Sign

Now in the ide load the contract above and call verify transition as shown below



Pass the value here, also don't forget to put **0x** before to specify byte data.

Now click Call transition

It will give you the receipt and event as shown below

```
0x2c5d0bde39f7c4dcac6785ebeb9aa18d0dda
_eventname: Signature Verification Result
[
{
"type": "Bool",
"value": {
"argtypes": [
],
"arguments": [
],
"constructor": "True"
},
"vname": "result"
}
```

Transaction ID

Receipt

```
{
  "accepted": false,
  "cumulative_gas": 426,
  "epoch_num": "3174338",
  "event_logs": 1,
  "success": true,
  "errors": {
}
```

}