

Simulation Results on sepolia network

Registry and Identity Deployments & Registration

```
Simulation type: circuit build
Pre-required simulations: deploy
10:23:03 INF compiling circuit
10:23:03 INF parsed circuit inputs nbPublic=4 nbSecret=3
10:23:03 INF building constraint builder nbConstraints=4404
CircuitContract deployed at: 0xfBe213962772B115dc5E6cA86BD180B42aE7B45a
2023/11/29 10:23:12 Waiting for transaction receipt for 5 seconds
10:23:12 DBG constraint system solver done nbConstraints=4404 took=2.203167
10:23:12 DBG mimc.go:19 > Sum: 20370067689261511688289967978544823130432235585709842144916192060767982363628
10:23:12 DBG prover done backend=plonk curve=bn254 nbConstraints=4404 took=109.06575
2023/11/29 10:23:13 CircuitMeta published on ipfs: QmZj1kSZgYYGGK4K3b7166eQ4JwKjBP2ZhDNZV34d6rW2b
CircuitMeta build & publish time: 349.408708ms
2023/11/29 10:23:26 Waiting for transaction receipt for 10 seconds
2023/11/29 10:23:26 Waiting for transaction receipt for 0 seconds
SetCircuit in registry Transaction Cost (Wei): 140867
SetCircuit in registry Transaction Cost (Ether): 1.40867e-13
2023/11/29 10:23:26 CircuitMeta published on ipfs: QmZj1kSZgYYGGK4K3b7166eQ4JwKjBP2ZhDNZV34d6rW2b
CircuitMeta build & publish time: 13.681273375s
Simulation type: deployment of circuit
2023/11/29 10:23:26 Waiting for transaction receipt for 0 seconds
CircuitMeta deployment Transaction Cost (Wei): 2848320
CircuitMeta deployment Transaction Cost (Ether): 2.84832e-12
Bytecode len: 12969
GetCircuit from registry time: 164.008333ms
CircuitMeta data from registry: &{ipfs 0xfBe213962772B115dc5E6cA86BD180B42aE7B45a QmZj1kSZgYYGGK4K3b7166eQ4JwKjBP2ZhDNZV34d6rW2b}
```

MimcPrivateClaim

```
Simulation type: private claim
Pre-required simulations: deploy,circuitDeployment
Circuit contract address: 0xfBe213962772B115dc5E6cA86BD180B42aE7B45a
2023/11/29 10:25:13 Waiting for transaction receipt for 14 seconds
SetNonce Transaction Cost (Wei): 204907
SetNonce Transaction Cost (Ether): 2.04907e-13
2023/11/29 10:25:13 nonce returned from contract: 36313300444236851755310924448376857998430943871468028547569700653477717162542
10:25:14 DBG constraint system solver done nbConstraints=4404 took=0.508834
10:25:14 DBG mimc.go:19 > Sum: 20370067689261511688289967978544823130432235585709842144916192060767982363628
10:25:14 DBG prover done backend=plonk curve=bn254 nbConstraints=4404 took=87.994041
2023/11/29 10:25:14 on-chain verifying proof with input: 22
2023/11/29 10:25:14 on-chain verifying proof with nonce: 14425057572397576533064518703119582909882579471051994203871496466901908666925
2023/11/29 10:25:26 Waiting for transaction receipt for 10 seconds
2023/11/29 10:25:48 Waiting for transaction receipt for 18 seconds
SetPrivateClaim took: 21.623810417s
2023/11/29 10:25:48 Waiting for transaction receipt for 0 seconds
SetPrivateClaim Transaction Cost (Wei): 717023
SetPrivateClaim Transaction Cost (Ether): 7.17023e-13
GetPrivateClaim took: 154.048292ms
Private claim: id:1701242727 statement:age > 22 eventHash: 0x4c87e2b695a6641e4d63f88e9d449494080344c0c2700faaf708e320b2c2f8bf
```

Attestation

```
Simulation type: attestation
Pre-required simulations: deploy,mimcDeployment,mimcClaim
Attestation set took: 11.866112583s
Set attestation Transaction Cost (Wei): 211306
Set attestation Transaction Cost (Ether): 2.11306e-13
2023/11/29 10:26:48 Waiting for transaction receipt for 9 seconds
Attestation: {"Signature":"dYoRxsVV2XdBVY8199BDDkLRPZmpQcOm2NWIHX6Jc1VTZDk/BUm7PWQ55mF415K1cyYRjWKauCLIDB8u3qKYQA=", "Attensor":"0x30B0b9E2"}
```

Revocation

```
Simulation type: revocation
Pre-required simulations: deploy,mimcDeployment,mimcClaim, attestation
2023/11/29 10:29:13 Waiting for transaction receipt for 7 seconds
2023/11/29 10:29:13 Waiting for transaction receipt for 0 seconds
Revocation took: 8.989898084s
Revocation Transaction Cost (Wei): 123324
Revocation Transaction Cost (Ether): 1.23324e-13
Revocation from contract: 0xe7d09f78ff5f5fc4af97e55fc8e8b6a26b60090fb Invalid age 1701242727 1701242952
Get revocation took: 153.385083ms
```

MerkleDeployment

```
Pre-required simulations: deploy
Simulation type: circuit build
10:27:59 INF compiling circuit
10:27:59 INF parsed circuit inputs nbPublic=5 nbSecret=10
10:27:59 INF building constraint builder nbConstraints=9296
2023/11/29 10:28:12 Waiting for transaction receipt for 9 seconds
Merklecircuit deployment time: 1.299701s
CircuitContract deployed at: 0xDC28D6c98A8d075191A5EE48B793b3cbBEb7D04d
MerkleCombined deployment Transaction Cost (Wei): 2848968
MerkleCombined deployment Transaction Cost (Ether): 2.848968e-12
Bytecode len: 12972
10:28:13 DBG constraint system solver done nbConstraints=9296 took=9.365292
10:28:13 DBG merklecombined.go:37 > Sum: 20370067689261511688289967978544823130432235585709842144916192060767982363628
10:28:13 DBG prover done backend=plonk curve=bn254 nbConstraints=9296 took=206.859292
2023/11/29 10:28:13 CircuitMeta published on ipfs: QmRAihZfZFQUqCGgc6xvGRKKLWQCVuyAg8ZnmhVbwWrpHU
CircuitMeta build & publish time: 840.609625ms
Simulation type: deployment of circuit
2023/11/29 10:28:25 Waiting for transaction receipt for 9 seconds
SetCircuit in registry Transaction Cost (Wei): 140891
SetCircuit in registry Transaction Cost (Ether): 1.40891e-13
SetCircuit in registry time: 11.284085833s
```

MerkleClaim

```
Simulation type: private claim
Pre-required simulations: deploy,merkleDeployment
Circuit contract address: 0xDC28D6c98A8d075191A5EE48B793b3cbBEb7D04d
SetNonce Transaction Cost (Wei): 204907
SetNonce Transaction Cost (Ether): 2.04907e-13
2023/11/29 10:30:49 Waiting for transaction receipt for 57 seconds
2023/11/29 10:30:49 nonce returned from contract: 49274790548073095116878073981163932634651919614586436709647856221607134864716
10:30:50 DBG constraint system solver done nbConstraints=9296 took=0.914
10:30:50 DBG merklecombined.go:37 > Sum: 20370067689261511688289967978544823130432235585709842144916192060767982363628
10:30:50 DBG prover done backend=plonk curve=bn254 nbConstraints=9296 took=168.592667
2023/11/29 10:30:50 on-chain verifying proof with nonce: 5498304804394544672385262490649382457555190813754368022251447848455517873482
2023/11/29 10:31:03 Waiting for transaction receipt for 10 seconds
2023/11/29 10:31:13 Waiting for transaction receipt for 7 seconds
SetPrivateClaim took: 9.438431542s
2023/11/29 10:31:13 Waiting for transaction receipt for 0 seconds
SetPrivateClaim Transaction Cost (Wei): 717179
SetPrivateClaim Transaction Cost (Ether): 7.17179e-13
GetPrivateClaim took: 194.261958ms
Private claim: id:1701243064 statement:age > 22 inclusion eventHash: 0x4c87e2b695a6641e4d63f88e9d449494080344c0c2700faaf708e320b2c2f8bf
```