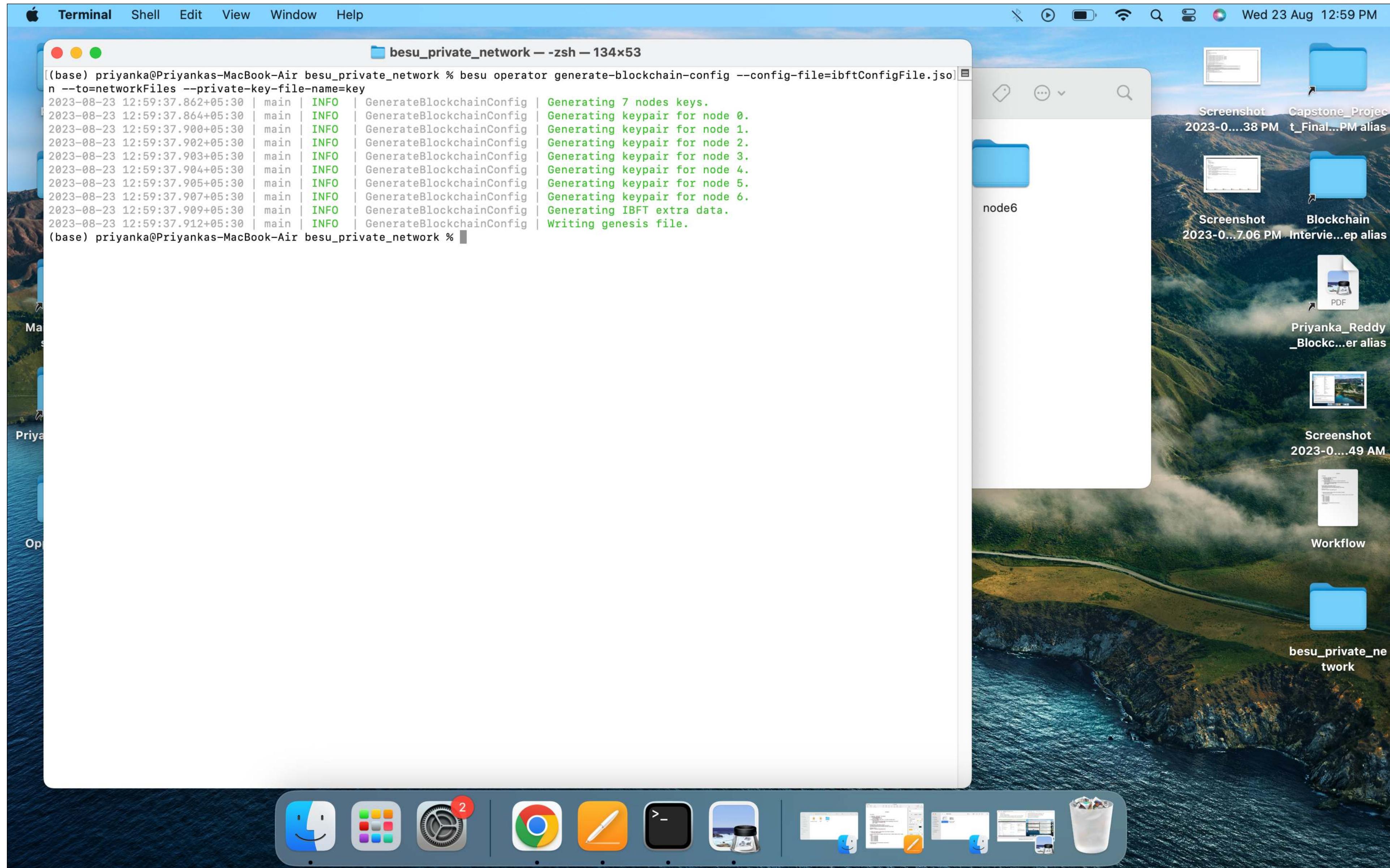


Process Screenshots & Results

Generation of genesis file and key-pair files -



Project directory structure after generation of genesis file and key files for all nodes -

```
(base) priyanka@Priyankas-MacBook-Air besu_private_network % tree
.
├── genesis.json
├── ibftConfigFile.json
└── networkFiles
    └── keys
        ├── 0x7c42f2eda30cffee9abeb60c3cee91c6876c7e136
        ├── 0x92e23b7f5f3cefa835f4382fbcdfec53b24d45d0
        ├── 0xd0b9e268170804703c2b51d121dab7639f512c63
        ├── 0xde852c5136b5936553184ac67b368155eb815425
        ├── 0xe9e985a9a84df72a2fc8d0e739225d64b92ded17
        ├── 0xf3e1abee8093996ebd6fc9ea6f5e96c915e2815a
        └── 0xff30f4665e4710cb0d861f33f16db44ec45e15cd
    └── node1
        └── data
            └── key
                └── key.pub
    └── node2
        └── data
            └── key
                └── key.pub
    └── node3
        └── data
            └── key
                └── key.pub
    └── node4
        └── data
            └── key
                └── key.pub
    └── node5
        └── data
            └── key
                └── key.pub
    └── node6
        └── data
            └── key
                └── key.pub
    └── node7
        └── data
            └── key
                └── key.pub
24 directories, 16 files
(base) priyanka@Priyankas-MacBook-Air besu_private_network %
```

Node-1 (Bootnode) setup -

```
(base) priyanka@Priyankas-MacBook-Air besu_private_network % cd node1
(base) priyanka@Priyankas-MacBook-Air node1 % besu --data-path=data --genesis-file=../genesis.json --rpc-ws-enabled --rpc-http-enabled --rpc-http-api=ETH,NET,IBFT --host-allowlist="*" --rpc-http-cors-options="all"
2023-08-23 14:04:16.943+05:30 | main | INFO | Besu | Starting Besu
2023-08-23 14:04:17.894+05:30 | main | INFO | Besu |
#####
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8545
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####
2023-08-23 14:04:17.895+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 14:04:17.895+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 14:04:18.645+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 14:04:19.304+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 14:04:19.305+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 14:04:19.312+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 14:04:19.332+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node1/data. Using version 1
2023-08-23 14:04:20.485+05:30 | main | INFO | KeyPairUtil | Loaded public key 0xf034a0145a35345aec5b5306d616f390a60450fa470ab29080e6c898e797bcabdec0f9f9d83a729882ef908e65d66fe766f48fb75b417eb7e9ebfcf
c9642f1 from /Users/priyanka/Desktop/besu_private_network/node1/data/key
2023-08-23 14:04:20.550+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 14:04:20.591+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 14:04:20.598+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 14:04:20.614+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 14:04:20.666+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 14:04:20.666+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8545
2023-08-23 14:04:20.708+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8545
2023-08-23 14:04:20.710+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8546
2023-08-23 14:04:20.711+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8546
2023-08-23 14:04:20.712+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 14:04:20.713+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node1/data/caches
2023-08-23 14:04:20.717+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 14:04:20.717+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 14:04:20.717+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 14:04:20.723+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on /[0:0:0:0:0:0:0]:30303.
2023-08-23 14:04:20.723+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30303
2023-08-23 14:04:20.730+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0:0% and port=30303
2023-08-23 14:04:20.731+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on /[0:0:0:0:0:0:0%]:30303
2023-08-23 14:04:20.746+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x03f034a0145a35345aec5b5306d616f390a60450fa470ab29080e6c898e797bcabdec0f9f9d83a729882ef908e65d66fe766f48fb75b417eb7e9eb
bfcfc9642f1@127.0.0.1:30303
2023-08-23 14:04:20.755+05:30 | main | INFO | DefaultP2PNetwork | Enode URL enode://f034a0145a35345aec5b5306d616f390a60450fa470ab29080e6c898e797bcabdec0f9f9d83a729882ef908e65d66fe766f48fb75b417eb7e9eb
bfcfc9642f1@127.0.0.1:30303
2023-08-23 14:04:20.755+05:30 | main | INFO | DefaultP2PNetwork | Node address 0x7c42f2eda30cf9e9abeb60c3ceef91c6876c7e136
2023-08-23 14:04:20.759+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 14:04:20.760+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 14:04:20.760+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 14:04:20.761+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
```

Node-2 setup -

```
2023-08-23 14:43:09.726+05:30 | main | INFO | Besu |
#####
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8547
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####
2023-08-23 14:43:09.727+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 14:43:09.727+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 14:43:10.272+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 14:43:10.902+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 14:43:10.903+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 14:43:10.910+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 14:43:10.931+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node2/data. Using version 1
2023-08-23 14:43:11.951+05:30 | main | INFO | KeyPairUtil | Loaded public key 0x496daad6d15fb58702a8459e20f1564294cc278bd5802ad270c8e6326e9c2a90efbb7453de0b36878efd821c8e0d09de071d83374d41931f06d9e27e
9f8d06d from /Users/priyanka/Desktop/besu_private_network/node2/data/key
2023-08-23 14:43:12.014+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 14:43:12.054+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 14:43:12.061+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 14:43:12.077+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 14:43:12.131+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 14:43:12.131+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8547
2023-08-23 14:43:12.174+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8547
2023-08-23 14:43:12.175+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8548
2023-08-23 14:43:12.176+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8548
2023-08-23 14:43:12.177+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 14:43:12.177+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node2/data/caches
2023-08-23 14:43:12.182+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 14:43:12.182+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 14:43:12.182+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 14:43:12.187+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on /[0:0:0:0:0:0]:30304.
2023-08-23 14:43:12.187+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30304
2023-08-23 14:43:12.193+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0% and port=30304
2023-08-23 14:43:12.194+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on /[0:0:0:0:0:0%]:30304
2023-08-23 14:43:12.207+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x03496daad6d15fb58702a8459e20f1564294cc278bd5802ad270c8e6326e9c2a9, udpAddress=Optional[/127.0.0.1:30304], tcpAddress=Optional[/127.0.0.1:30304], asBase64=-Je4QJlxVtW3wKdmls0M_KX8cNBg5RuTF-yLyy2uYrD_C-dhEbpmkEfM4Sgdgj9FcsDvsjDfSQRcL064pE573TgRGrgBg2V0aMfGhzB7RmAgmlkgny0gmlwhH8AAAGJc2VjcDI1NmsxoQNJbaqtbx7WHAqhFniDxVkJUzCeL1YAq0nDI5jJunCqYNOY3CCdmCDdWrwgZg, nodeId=0x6e06cf1ed17dd73a83aa86aee9e985a9a84df72a2fc8d0e739225d64b92ded17, customFields={tcp=30304, udp=30304, ip=0x7f000001, eth=[[0x7cc1ed19, 0x]], id=V4, secp256k1=0x03496daad6d15fb58702a8459e20f1564294cc278bd5802ad270c8e6326e9c2a9}}
2023-08-23 14:43:12.222+05:30 | main | INFO | DefaultP2PNetwork | Endode URL endode://496daad6d15fb58702a8459e20f1564294cc278bd5802ad270c8e6326e9c2a90efbb7453de0b36878efd821c8e0d09de071d83374d41931f06d9e27e9f8d06d@127.0.0.1:30304
2023-08-23 14:43:12.223+05:30 | main | INFO | DefaultP2PNetwork | Node address 0xe9e985a9a84df72a2fc8d0e739225d64b92ded17
2023-08-23 14:43:12.227+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 14:43:12.227+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 14:43:12.228+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 14:43:12.228+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
2023-08-23 14:43:12.229+05:30 | main | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 0 peers for usefulness
2023-08-23 14:43:12.243+05:30 | main | INFO | Runner | Ethereum main loop is up.
2023-08-23 14:43:12.823+05:30 | nioEventLoopGroup-3-2 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 1 peers for usefulness
```

Node-3 setup -

```
2023-08-23 14:56:47.276+05:30 | main | INFO | Besu |
#####
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8549
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####
2023-08-23 14:56:47.277+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 14:56:47.277+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 14:56:47.924+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 14:56:48.471+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 14:56:48.472+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 14:56:48.477+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 14:56:48.495+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node3/data. Using version 1
2023-08-23 14:56:49.494+05:30 | main | INFO | KeyPairUtil | Loaded public key 0x8dc050f8936bf79859367f8eecd5d5981de20f792928b36487bb2abe4e60ee6acf297faddcb45d947ebacf394d8bc7a1d694d0255ea37df252d7f298
f8a2a5a from /Users/priyanka/Desktop/besu_private_network/node3/data/key
2023-08-23 14:56:49.559+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 14:56:49.599+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 14:56:49.606+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 14:56:49.625+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 14:56:49.676+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 14:56:49.676+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8549
2023-08-23 14:56:49.720+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8549
2023-08-23 14:56:49.721+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8550
2023-08-23 14:56:49.722+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8550
2023-08-23 14:56:49.723+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 14:56:49.723+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node3/data/caches
2023-08-23 14:56:49.728+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 14:56:49.728+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 14:56:49.728+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 14:56:49.733+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on /[0:0:0:0:0:0]:30305.
2023-08-23 14:56:49.733+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30305
2023-08-23 14:56:49.741+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0% and port=30305
2023-08-23 14:56:49.742+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on /[0:0:0:0:0:0%]:30305
2023-08-23 14:56:49.757+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x028dc050f8936bf79859367f8eecd5d5981de20f792928b36487b
b2abe4e60ee6, udpAddress=Optional[/127.0.0.1:30305], tcpAddress=Optional[/127.0.0.1:30305], asBase64=-Je4QFjngzr-IZsY2y6IVC4USfrIWCPGjk0iwoDnqElcyX9GZ-TX72gG5-6rq9vAVj_3CFivkK7wnSrPTg34kKjfE0IBg2V0aMfGh
HzB7RmAgmlkgny0gmlwhH8AAAGJc2VjcDI1NmsxoQKNwFD4k2v3mFk2f47s311Zgd4g95KSizzIe7Kr5OY05oN0Y3CCdmGDdWRwgnZh, nodeId=0xb739e78fb5c7e340a632f84a92e23b7f5f3cefa835f4382fbcdfec53b24d45d0, customFields={tcp=303
5, udp=30305, ip=0x7f000001, eth=[[0x7cc1ed19, 0x]], id=V4, secp256k1=0x028dc050f8936bf79859367f8eecd5d5981de20f792928b36487bb2abe4e60ee6acf297faddcb45d947ebacf394d8bc7a1d694d0255ea37df252d7
f298f8a2a5a@127.0.0.1:30305
2023-08-23 14:56:49.772+05:30 | main | INFO | DefaultP2PNetwork | Endode URL endode://8dc050f8936bf79859367f8eecd5d5981de20f792928b36487bb2abe4e60ee6acf297faddcb45d947ebacf394d8bc7a1d694d0255ea37df252d7
2023-08-23 14:56:49.772+05:30 | main | INFO | DefaultP2PNetwork | Node address 0x92e23b7f5f3cefa835f4382fbcdfec53b24d45d0
2023-08-23 14:56:49.777+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 14:56:49.777+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 14:56:49.777+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 14:56:49.778+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
2023-08-23 14:56:49.778+05:30 | main | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 0 peers for usefulness
2023-08-23 14:56:49.793+05:30 | main | INFO | Runner | Ethereum main loop is up.
2023-08-23 14:56:49.996+05:30 | nioEventLoopGroup-3-4 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 2 peers for usefulness
```

Node-4 setup -

```
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8551
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####
2023-08-23 15:02:51.846+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 15:02:51.846+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 15:02:52.472+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 15:02:53.022+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 15:02:53.023+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 15:02:53.029+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 15:02:53.048+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node4/data. Using version 1
2023-08-23 15:02:54.053+05:30 | main | INFO | KeyPairUtil | Loaded public key 0x3f05136ca1caa6ea0266fbb822a99523c8e21ccc75376913f199bfd57e1378bcd094af10f8cb79964263522ba7537363336e8c6e2f67fc64543c56d06
c0b75b6 from /Users/priyanka/Desktop/besu_private_network/node4/data/key
2023-08-23 15:02:54.115+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 15:02:54.159+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 15:02:54.166+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 15:02:54.183+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 15:02:54.234+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 15:02:54.234+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8551
2023-08-23 15:02:54.275+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8551
2023-08-23 15:02:54.276+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8552
2023-08-23 15:02:54.277+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8552
2023-08-23 15:02:54.278+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 15:02:54.279+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node4/data/caches
2023-08-23 15:02:54.282+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 15:02:54.282+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 15:02:54.282+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 15:02:54.287+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on [/0:0:0:0:0:0:0:0]:30306.
2023-08-23 15:02:54.287+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30306
2023-08-23 15:02:54.294+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0:0%0 and port=30306
2023-08-23 15:02:54.294+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on [/0:0:0:0:0:0:0%0]:30306
2023-08-23 15:02:54.308+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x023f05136ca1caa6ea0266fbb822a99523c8e21ccc75376913f199bfd57e1378bc, udpAddress=Optional[/127.0.0.1:30306], tcpAddress=Optional[/127.0.0.1:30306], asBase64=-Je4QPQRRF9I320Q8nwxJ41mj6rIArV_Q_mQWF-ognjq1TTsdA9D6nd-HJYAkzD2Z07G_iPKERzftDjNiJmPWyCZ1J-4Bg2V0aMfGhHzB7RmAgmlkgny0gmlwhH8AAAGJc2VjcDI1NmsxoQI_BRNsocqm6gJm-7giqZUjy0IczHU3aRPxmb_VfhN4vIN0Y3CCdmKDwRwgZi, nodeId=0xe5dfaee371a824d6fa57428af3e1eb08093996ebd6fc9ea6f5e96c915e2815a, customFields={tcp=30306, udp=30306, ip=0x7f000001, eth=[[0x7cc1ed19, 0x1]], id=V4, secp256k1=0x023f05136ca1caa6ea0266fbb822a99523c8e21ccc75376913f199bfd57e1378bc}}
2023-08-23 15:02:54.323+05:30 | main | INFO | DefaultP2PNetwork | Enode URL enode://3f05136ca1caa6ea0266fbb822a99523c8e21ccc75376913f199bfd57e1378bcd094af10f8cb79964263522ba7537363336e8c6e2f67fc64543c56d06c0b75b6@127.0.0.1:30306
2023-08-23 15:02:54.324+05:30 | main | INFO | DefaultP2PNetwork | Node address 0xf3e1eb08093996ebd6fc9ea6f5e96c915e2815a
2023-08-23 15:02:54.328+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 15:02:54.328+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 15:02:54.329+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 15:02:54.329+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
2023-08-23 15:02:54.330+05:30 | main | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 0 peers for usefulness
2023-08-23 15:02:54.344+05:30 | main | INFO | Runner | Ethereum main loop is up.
2023-08-23 15:02:54.523+05:30 | nioEventLoopGroup-3-2 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 1 peers for usefulness
2023-08-23 15:02:56.401+05:30 | nioEventLoopGroup-3-3 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 2 peers for usefulness
2023-08-23 15:02:56.408+05:30 | nioEventLoopGroup-3-4 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 3 peers for usefulness
```

Node-5 setup -

```
#####
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8553
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####

2023-08-23 15:16:46.287+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 15:16:46.287+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 15:16:46.913+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 15:16:47.633+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 15:16:47.634+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 15:16:47.639+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 15:16:47.659+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node5/data. Using version 1
2023-08-23 15:16:48.720+05:30 | main | INFO | KeyPairUtil | Loaded public key 0x1d929e3324c9e48fdc30d0dd27f28c8dc3a0027a8a5e934848a87d375fa6aeea2de2999f45004dbc571cbe22d16e88af16541ac71f7d2081ce8fc82a13a6e0 from /Users/priyanka/Desktop/besu_private_network/node5/data/key
2023-08-23 15:16:48.785+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 15:16:48.825+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 15:16:48.832+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 15:16:48.848+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 15:16:48.899+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 15:16:48.899+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8553
2023-08-23 15:16:48.940+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8553
2023-08-23 15:16:48.941+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8554
2023-08-23 15:16:48.942+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8554
2023-08-23 15:16:48.943+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 15:16:48.944+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node5/data/caches
2023-08-23 15:16:48.948+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 15:16:48.948+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 15:16:48.948+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 15:16:48.953+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on /[0:0:0:0:0:0]:30307.
2023-08-23 15:16:48.953+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30307
2023-08-23 15:16:48.960+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0% and port=30307
2023-08-23 15:16:48.961+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on /[0:0:0:0:0:0%]:30307
2023-08-23 15:16:48.975+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x021d929e3324c9e48fdc30d0dd27f28c8dc3a0027a8a5e934848a87d375fa6aeea, udpAddress=Optional[/127.0.0.1:30307], tcpAddress=Optional[/127.0.0.1:30307], asBase64=-Je4QMg2EuGsTzQdEn-dcj0eXwmcVgQG3ePoc0pC5MWYMMUiBB4DRPmfncWkSC2GF90HWRjUBGBW-hD8aKpuDhvNXABg2V0aMfGhzB7RmAgmlkgny0gmlwhH8AAAGJc2VjcDI1NmsxoQIdkp4zJMnkj9ww0N8oyNzToAJ6i16TSEiofTdfpq7oN0Y3CCdmODdWRwgnZj, nodeId=0xcf2966360da6a27e965c997bd0b9e268170804703c2b51d121dab7639f512c63, customFields={tcp=30307, udp=30307, ip=0x7f000001, eth=[[0x7cc1ed19, 0x0]], id=V4, secp256k1=0x021d929e3324c9e48fdc30d0dd27f28c8dc3a0027a8a5e934848a87d375fa6aeea}}
2023-08-23 15:16:48.991+05:30 | main | INFO | DefaultP2PNetwork | Enode URL enode://1d929e3324c9e48fdc30d0dd27f28c8dc3a0027a8a5e934848a87d375fa6aeea2de2999f45004dbc571cbe22d16e88af16541ac71f7d2081ce8fc82a13a6e0@127.0.0.1:30307
2023-08-23 15:16:48.991+05:30 | main | INFO | DefaultP2PNetwork | Node address 0xd0b9e268170804703c2b51d121dab7639f512c63
2023-08-23 15:16:48.996+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 15:16:48.996+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 15:16:48.996+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 15:16:48.997+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
2023-08-23 15:16:48.997+05:30 | main | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 0 peers for usefulness
2023-08-23 15:16:49.012+05:30 | main | INFO | Runner | Ethereum main loop is up.
2023-08-23 15:16:49.190+05:30 | nioEventLoopGroup-3-1 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 1 peers for usefulness
2023-08-23 15:16:50.784+05:30 | nioEventLoopGroup-3-3 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 2 peers for usefulness
```

Node-6 setup -

```
2023-08-23 15:19:00.027+05:30 | main | INFO | Besu |
#####
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8555
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####

2023-08-23 15:19:00.029+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 15:19:00.029+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 15:19:00.132+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 15:19:00.213+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 15:19:00.213+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 15:19:00.214+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 15:19:00.222+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node6/data. Using version 1
2023-08-23 15:19:00.997+05:30 | main | INFO | KeyPairUtil | Loaded public key 0x91c38d2fcf5e3709aba0e597fdf43b8351b33538cf26cbfe7d164ab9083d0324854084c5a092f63d1a19e4955d5c7348e152657df12cb44a9d70153c
c75a189 from /Users/priyanka/Desktop/besu_private_network/node6/data/key
2023-08-23 15:19:01.058+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 15:19:01.096+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 15:19:01.104+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 15:19:01.119+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 15:19:01.169+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 15:19:01.170+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8555
2023-08-23 15:19:01.211+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8555
2023-08-23 15:19:01.212+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8556
2023-08-23 15:19:01.213+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8556
2023-08-23 15:19:01.214+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 15:19:01.215+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node6/data/caches
2023-08-23 15:19:01.219+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 15:19:01.219+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 15:19:01.219+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 15:19:01.224+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on /[0:0:0:0:0:0]:30308.
2023-08-23 15:19:01.225+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30308
2023-08-23 15:19:01.231+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0% and port=30308
2023-08-23 15:19:01.232+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on /[0:0:0:0:0:0%]:30308
2023-08-23 15:19:01.247+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x0391c38d2fcf5e3709aba0e597fdf43b8351b33538cf26cbfe7d164ab9083d032, udpAddress=Optional[/127.0.0.1:30308], tcpAddress=Optional[/127.0.0.1:30308], asBase64=-Je4Q0m0xMdsftwIpBN1aadxsK2rYvcWvNn3cYgHTbFyfo_vapgGyEt1kv1hJcTiUI2KVomRckVJnH97kza7YAA-KSUBg2V0aMfGhzB7RmAgmlkgny0gmlwhH8AAAGJc2VjcDI1NmsxoQORw40vz143Caug5Zf99DuDUBM10M_CbL_n0WSrkIPQM0N0Y3CCdmSDdWRwgnZk, nodeId=0x7b75b12769223c79cd735fdaff30f4665e4710cb0d861f33f16db44ec45e15cd, customFields={tcp=30308, udp=30308, ip=0x7f000001, eth=[[0x7cc1ed19, 0x]], id=V4, secp256k1=0x0391c38d2fcf5e3709aba0e597fdf43b8351b33538cf26cbfe7d164ab9083d032}, seq=1}
2023-08-23 15:19:01.260+05:30 | main | INFO | DefaultP2PNetwork | Enode URL enode://91c38d2fcf5e3709aba0e597fdf43b8351b33538cf26cbfe7d164ab9083d0324854084c5a092f63d1a19e4955d5c7348e152657df12cb44a9d70153cc75a189@127.0.0.1:30308
2023-08-23 15:19:01.261+05:30 | main | INFO | DefaultP2PNetwork | Node address 0xff30f4665e4710cb0d861f33f16db44ec45e15cd
2023-08-23 15:19:01.265+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 15:19:01.265+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 15:19:01.266+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 15:19:01.266+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
2023-08-23 15:19:01.267+05:30 | main | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 0 peers for usefulness
2023-08-23 15:19:01.281+05:30 | main | INFO | Runner | Ethereum main loop is up.
2023-08-23 15:19:01.555+05:30 | nioEventLoopGroup-3-2 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 5 peers for usefulness
```

Node-7 setup -

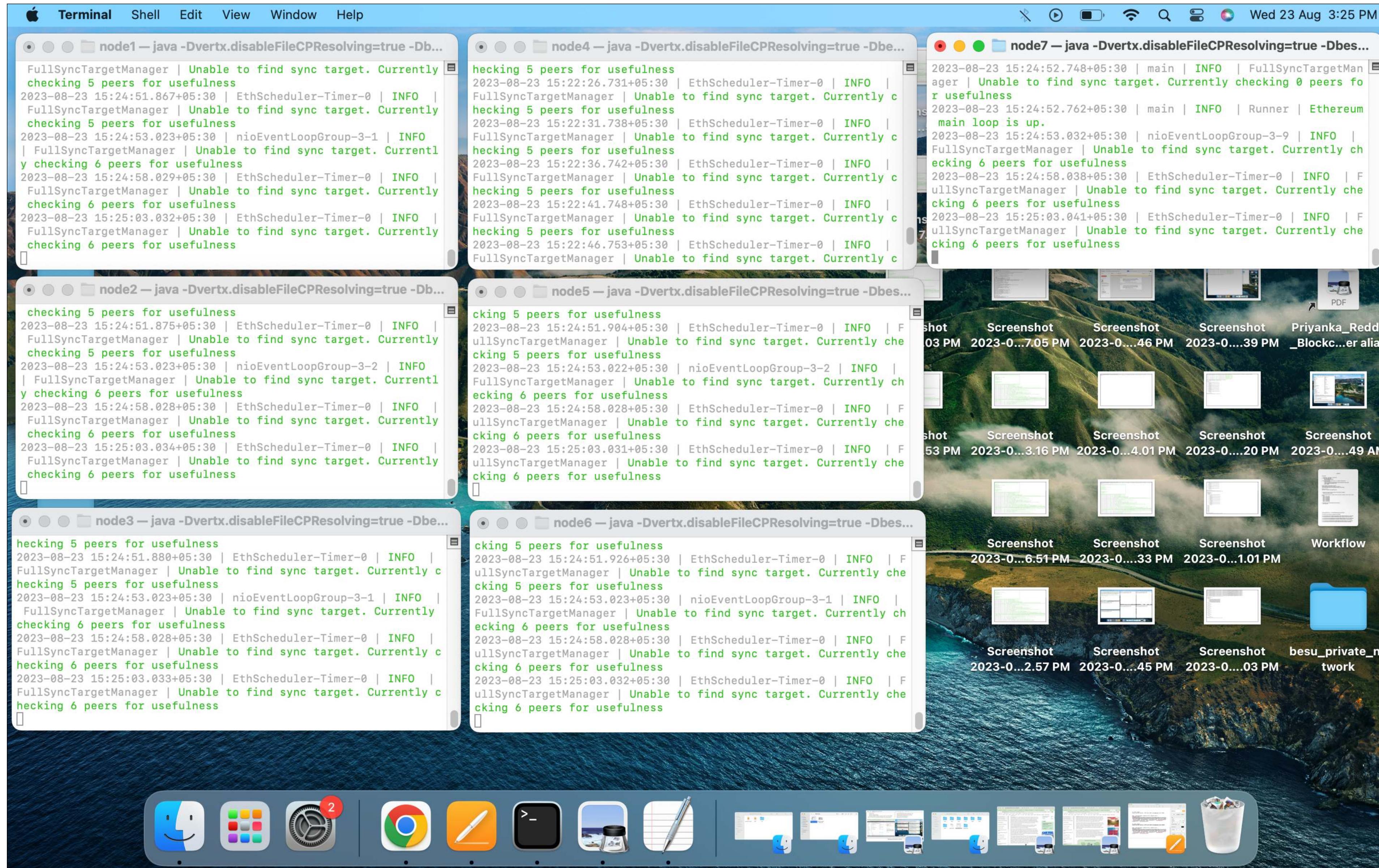
```
2023-08-23 15:24:50.098+05:30 | main | INFO | Besu |
#####
# Besu version 23.7.1
#
# Configuration:
# Network: Custom genesis file specified
# Network Id: 1337
# Data storage: Forest
# Sync mode: Full
# RPC HTTP APIs: ETH,NET,IBFT
# RPC HTTP port: 8557
#
# Host:
# Java: openjdk-java-20
# Maximum heap size: 2.00 GB
# OS: osx-aarch_64
# Total memory: 8.00 GB
# CPU cores: 8
#
#####

2023-08-23 15:24:50.099+05:30 | main | INFO | Besu | Connecting to 0 static nodes.
2023-08-23 15:24:50.100+05:30 | main | INFO | Besu | Security Module: localfile
2023-08-23 15:24:50.780+05:30 | main | INFO | Besu | Using the native implementation of alt bn128
2023-08-23 15:24:51.337+05:30 | main | INFO | Besu | Using the native implementation of modexp
2023-08-23 15:24:51.338+05:30 | main | INFO | Besu | Using the native implementation of the signature algorithm
2023-08-23 15:24:51.344+05:30 | main | INFO | Besu | Using the Java implementation of the blake2bf algorithm
2023-08-23 15:24:51.364+05:30 | main | INFO | RocksDBKeyValueStorageFactory | No existing database detected at /Users/priyanka/Desktop/besu_private_network/node7/data. Using version 1
2023-08-23 15:24:52.473+05:30 | main | INFO | KeyPairUtil | Loaded public key 0x0572cbed52c2325a9e8223f6d299d464ed9c064f0e056dca886a3d1cbc2906c8f8915ecbc65b0e59962bbdbc9a4d411efddf8392d9cc051d9d1cc4e59
2503e6e from /Users/priyanka/Desktop/besu_private_network/node7/data/key
2023-08-23 15:24:52.534+05:30 | main | INFO | ProtocolScheduleBuilder | Protocol schedule created with milestones: [Berlin: 0]
2023-08-23 15:24:52.574+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction pool
2023-08-23 15:24:52.585+05:30 | main | INFO | BesuControllerBuilder | TTD difficulty is not present, creating initial sync phase for PoW
2023-08-23 15:24:52.600+05:30 | main | INFO | RunnerBuilder | Detecting NAT service.
2023-08-23 15:24:52.651+05:30 | main | INFO | Runner | Starting external services ...
2023-08-23 15:24:52.651+05:30 | main | INFO | JsonRpcHttpService | Starting JSON-RPC service on 127.0.0.1:8557
2023-08-23 15:24:52.692+05:30 | vert.x-eventloop-thread-1 | INFO | JsonRpcHttpService | JSON-RPC service started and listening on 127.0.0.1:8557
2023-08-23 15:24:52.693+05:30 | main | INFO | WebSocketService | Starting Websocket service on 127.0.0.1:8558
2023-08-23 15:24:52.694+05:30 | vert.x-eventloop-thread-1 | INFO | WebSocketService | Websocket service started and listening on 127.0.0.1:8558
2023-08-23 15:24:52.695+05:30 | main | INFO | AutoTransactionLogBloomCachingService | Starting auto transaction log bloom caching service.
2023-08-23 15:24:52.695+05:30 | main | INFO | LogBloomCacheMetadata | Lookup cache metadata file in data directory: /Users/priyanka/Desktop/besu_private_network/node7/data/caches
2023-08-23 15:24:52.700+05:30 | main | INFO | Runner | Starting Ethereum main loop ...
2023-08-23 15:24:52.700+05:30 | main | INFO | NatService | No NAT environment detected so no service could be started
2023-08-23 15:24:52.700+05:30 | main | INFO | NetworkRunner | Starting Network.
2023-08-23 15:24:52.707+05:30 | nioEventLoopGroup-2-1 | INFO | RlpxAgent | P2P RLPx agent started and listening on /[0:0:0:0:0:0]:30309.
2023-08-23 15:24:52.707+05:30 | main | INFO | PeerDiscoveryAgent | Starting peer discovery agent on host=0.0.0.0, port=30309
2023-08-23 15:24:52.714+05:30 | vert.x-eventloop-thread-1 | INFO | VertxPeerDiscoveryAgent | Started peer discovery agent successfully, on effective host=0:0:0:0:0:0% and port=30309
2023-08-23 15:24:52.714+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | P2P peer discovery agent started and listening on /[0:0:0:0:0:0%]:30309
2023-08-23 15:24:52.728+05:30 | vert.x-eventloop-thread-1 | INFO | PeerDiscoveryAgent | Writing node record to disk. NodeRecord{seq=1, publicKey=0x020572cbed52c2325a9e8223f6d299d464ed9c064f0e056dca886a3d1cbc2906c8, udpAddress=Optional[/127.0.0.1:30309], tcpAddress=Optional[/127.0.0.1:30309], asBase64=-Je4QKhH2N8IHXF_RGjPiy1CUQC2nhV-KQe1rWLd-d_8aLKLah2A7Uxdc2VK6HUwEt70h_B1XK5s9CMuYGp1Y-jCRoBg2V0aMfGhzB7RmAgmlkgnY0gmlwhH8AAAGJc2VjcDI1NmsxoQIFcsvtUsIyWp6CI_bSmdRk7ZwGTw4FbcqIaj0cvCkGyIN0Y3CCdmWDdWRwgnZl, nodeId=0xb8bcfdcf307afda492a2c1ffde852c5136b5936553184ac67b368155eb815425, customFields={tcp=30309, udp=30309, ip=0x7f000001, eth=[[0x7cc1ed19, 0x]], id=V4, secp256k1=0x020572cbed52c2325a9e8223f6d299d464ed9c064f0e056dca886a3d1cbc2906c8}}
2023-08-23 15:24:52.742+05:30 | main | INFO | DefaultP2PNetwork | Enode URL enode://0572cbed52c2325a9e8223f6d299d464ed9c064f0e056dca886a3d1cbc2906c8f8915ecbc65b0e59962bbdbc9a4d411efddf8392d9cc051d9d1cc4e592503e6e@127.0.0.1:30309
2023-08-23 15:24:52.742+05:30 | main | INFO | DefaultP2PNetwork | Node address 0xde852c5136b5936553184ac67b368155eb815425
2023-08-23 15:24:52.746+05:30 | main | INFO | NetworkRunner | Supported capabilities: [eth/62, eth/63, eth/64, eth/65, eth/66, eth/67, eth/68], [IBF/1], [snap/1]
2023-08-23 15:24:52.746+05:30 | main | INFO | DefaultSynchronizer | Starting synchronizer.
2023-08-23 15:24:52.747+05:30 | main | INFO | TransactionPoolFactory | Enabling transaction handling following initial sync
2023-08-23 15:24:52.747+05:30 | main | INFO | FullSyncDownloader | Starting full sync.
2023-08-23 15:24:52.748+05:30 | main | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 0 peers for usefulness
2023-08-23 15:24:52.762+05:30 | main | INFO | Runner | Ethereum main loop is up.
2023-08-23 15:24:53.032+05:30 | nioEventLoopGroup-3-9 | INFO | FullSyncTargetManager | Unable to find sync target. Currently checking 6 peers for usefulness
```

Verifying that all the 7 validator nodes are setup successfully -

```
(base) priyanka@Priyankas-MacBook-Air ~ % curl -X POST --data '{"jsonrpc":"2.0","method":"ibft_getValidatorsByBlockNumber","params":["latest"], "id":1}' localhost:8545
{
  "jsonrpc" : "2.0",
  "id" : 1,
  "result" : [ "0xf3e1eb8093996ebd6fc9ea6f5e96c915e2815a", "0xd0b9e268170804703c2b51d121dab7639f512c63", "0x92e23b7f5f3cefa835f4382fbcdfec53b24d45d0", "0xe9e985a9a84df72a2fc8d0e739225d64b92ded17", "0x
de852c5136b5936553184ac67b368155eb815425", "0x7c42f2eda30cf9abeb60c3cee91c6876c7e136", "0xff30f4665e4710cb0d861f33f16db44ec45e15cd" ]
}%
5
6
7
4
```

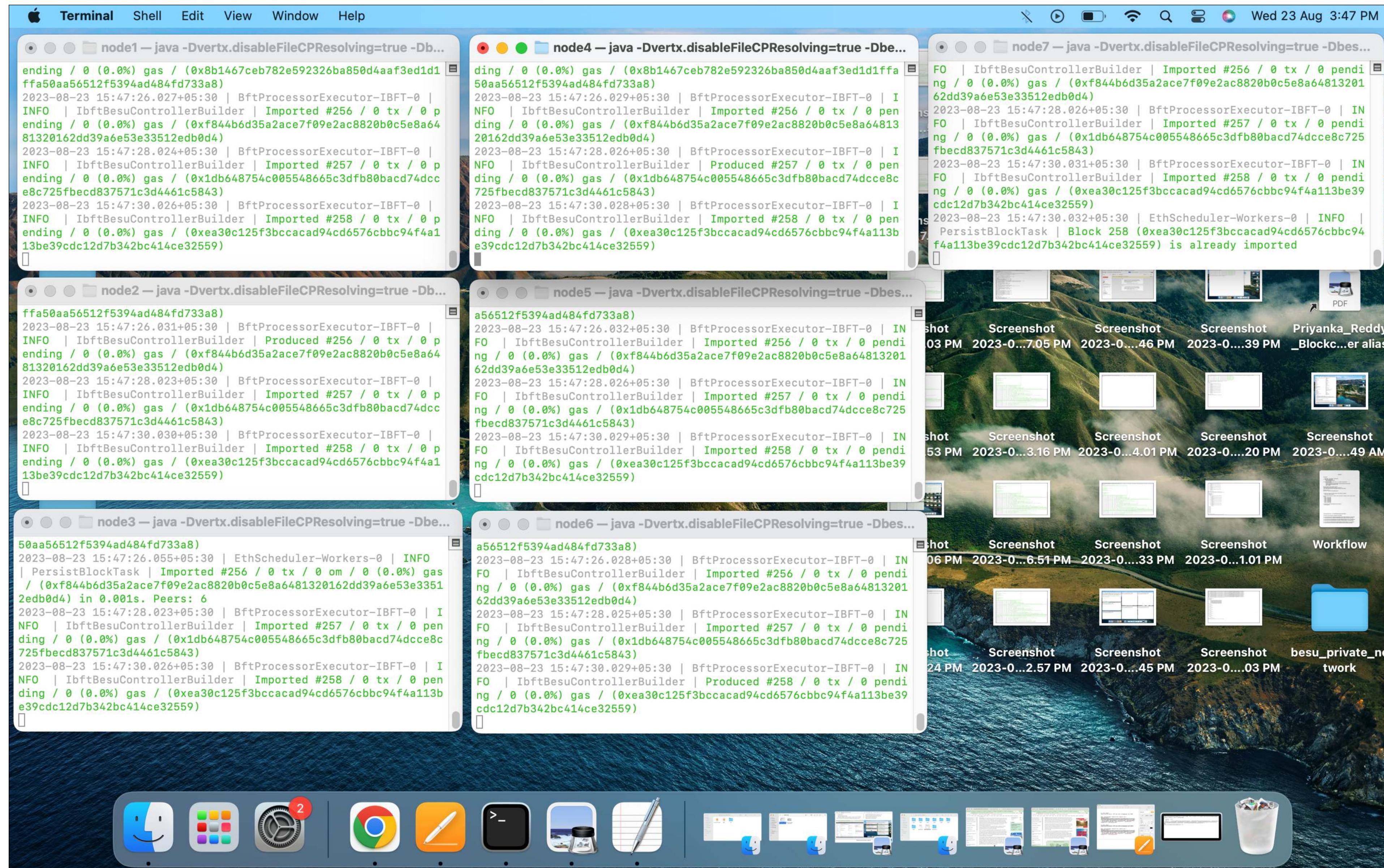
Blockchain network is up and running -



Block creation has started after all 7 validator nodes are successfully setup -

```
2023-08-23 15:46:02.025+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #214 / 0 tx / 0 pending / 0 (0.0%) gas / (0x574f14b9e5da8c3b0b9f7f3b8bea57e96beb3339e668f611fa0 ce44c50a35f61)
2023-08-23 15:46:04.030+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #215 / 0 tx / 0 pending / 0 (0.0%) gas / (0x2eed3498d3977d5337cae9d2b0e50b206253f0f366e27d79d82 32eeb4e9f39cd)
2023-08-23 15:46:06.029+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #216 / 0 tx / 0 pending / 0 (0.0%) gas / (0x5824a54d03501121ce3ad9209eb84a1f2cea45c246839b7272a 3d6248ac6e9d3)
2023-08-23 15:46:08.030+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #217 / 0 tx / 0 pending / 0 (0.0%) gas / (0xcf3f85b5225107dc93fcdf3c2957e088eeb0846690d50dd31c3 d446e1b18c1e2)
2023-08-23 15:46:10.038+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #218 / 0 tx / 0 pending / 0 (0.0%) gas / (0x5558f72581aad144d9faf51635a006a9a61370db0207669607e 856ca1919df2f)
2023-08-23 15:46:10.040+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 218 (0x5558f72581aad144d9faf51635a006a9a61370db0207669607e856ca1919df2f) is already imported
2023-08-23 15:46:12.033+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #219 / 0 tx / 0 pending / 0 (0.0%) gas / (0xb760b21dbb02819dd1606a51c6354f128fc09a81a6600d6cbea df0b8c8a0d24a)
2023-08-23 15:46:14.038+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Produced #220 / 0 tx / 0 pending / 0 (0.0%) gas / (0x5e42d7dac73698457215714ecdc78c1487f10f117a444c5a689 656ae68eeef70)
2023-08-23 15:46:16.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #221 / 0 tx / 0 pending / 0 (0.0%) gas / (0x290fbcf6edbc72a66a2072bbfb816a7bbacd5cc1ef02b84320 63d2f4af4841e)
2023-08-23 15:46:18.024+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #222 / 0 tx / 0 pending / 0 (0.0%) gas / (0x721e088636015ff28562417ec266aea42f834fee58d721206ce 7e40ea266cbd8)
2023-08-23 15:46:20.029+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #223 / 0 tx / 0 pending / 0 (0.0%) gas / (0xa99879a9b2d94f3f03b13b4f03d56a4ea56bd29016777418917 46b278edd2b99)
2023-08-23 15:46:22.034+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #224 / 0 tx / 0 pending / 0 (0.0%) gas / (0x0ae7ab7775477612b212aea43bf4a00019e5c3a75da53938b6e eb31e54a52cd)
2023-08-23 15:46:24.038+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #225 / 0 tx / 0 pending / 0 (0.0%) gas / (0xfbc7016bdaadb3bf0beb59170061ae93ee361e8f1c9cdc7c7e9 9f2eda618a9de)
2023-08-23 15:46:26.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #226 / 0 tx / 0 pending / 0 (0.0%) gas / (0xd216c41dc9b544d1afbf6370f296acea78d0c9123ed70fb9978 5d55a085f1269)
2023-08-23 15:46:28.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Produced #227 / 0 tx / 0 pending / 0 (0.0%) gas / (0xf75ffd73880309638dce0f9eae409be36dbed0c5636bd7f9fe8 b8d8a15729f7d)
2023-08-23 15:46:30.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #228 / 0 tx / 0 pending / 0 (0.0%) gas / (0x21b952cba5e9701a8e098db284d4053484dd2b561bab75de145 729c42c945259)
2023-08-23 15:46:30.033+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 228 (0x21b952cba5e9701a8e098db284d4053484dd2b561bab75de145729c42c945259) is already imported
2023-08-23 15:46:32.033+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #229 / 0 tx / 0 pending / 0 (0.0%) gas / (0xbefc8642ff751c23b5259dfc5e23960ecbc0ea2dad0144657ec aa8dfb6a50a9e)
2023-08-23 15:46:32.033+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 229 (0xbefc8642ff751c23b5259dfc5e23960ecbc0ea2dad0144657ecaa8dfb6a50a9e) is already imported
2023-08-23 15:46:34.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #230 / 0 tx / 0 pending / 0 (0.0%) gas / (0xd1726c7f6193b7b4b9479cd1505453193113648a3030036d253 b90886153493c)
2023-08-23 15:46:36.028+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #231 / 0 tx / 0 pending / 0 (0.0%) gas / (0x129d142aaaf92996614faa868200227de0f51dba66c4737640d9 235ff66f5bb7c)
2023-08-23 15:46:38.030+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #232 / 0 tx / 0 pending / 0 (0.0%) gas / (0x8f7ef7f79b1a26232faa21d817312ea4044533045f0ea2bf241 442e350bb0db7)
2023-08-23 15:46:40.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #233 / 0 tx / 0 pending / 0 (0.0%) gas / (0xc88569840abca214f5dc2d09c82031b6e84e0a04ff6aaee0da9e37e51d07dc62)
2023-08-23 15:46:40.035+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 233 (0xc88569840abca214f5dc2d09c82031b6e84e0a04ff6aaee0da9e37e51d07dc62) is already imported
2023-08-23 15:46:42.027+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Produced #234 / 0 tx / 0 pending / 0 (0.0%) gas / (0x4b426be749a1137a0e537b26c1a5affceea6dee4d5666e1485 33ab047d9e50d)
2023-08-23 15:46:44.026+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #235 / 0 tx / 0 pending / 0 (0.0%) gas / (0x9d06c3b9a58d270601730dea35abe9e89129ee3e76ef7f0020c c0627351f907d)
2023-08-23 15:46:46.027+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #236 / 0 tx / 0 pending / 0 (0.0%) gas / (0x423a882e87faf99767df24c185a4e8581da26bdc144e618f2b4 9da0185f087b1)
2023-08-23 15:46:48.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #237 / 0 tx / 0 pending / 0 (0.0%) gas / (0xbbeadbc9293dbaff9dc1c515086825d273f49740e181e50a6b9 a4dc04c2ed3df)
2023-08-23 15:46:50.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #238 / 0 tx / 0 pending / 0 (0.0%) gas / (0x79a99981c1c113c5ba682285f219cb529fbe1dbc4cfb39e42a5 f2fccd83e2502)
2023-08-23 15:46:52.024+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #239 / 0 tx / 0 pending / 0 (0.0%) gas / (0x010ec398d7ffbaad8bd27d1841c636bdd4311a964da709429f9 e980cef6b80f0)
2023-08-23 15:46:54.028+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #240 / 0 tx / 0 pending / 0 (0.0%) gas / (0xb86253dfa66eb3c7d0a6b60f6bd71b90246d01896e6c1162bc6 3b4b6a29c319e)
2023-08-23 15:46:56.025+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Produced #241 / 0 tx / 0 pending / 0 (0.0%) gas / (0x153d9016406c56ea904808fdb7874978711971da66df14b72c 151af79aa3880)
2023-08-23 15:46:58.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #242 / 0 tx / 0 pending / 0 (0.0%) gas / (0xadd0af3f4cb48e0aae868413a56df40d595290c360d0a98938a 06248079705b1)
```

Blocks being created and synced across all nodes -



Test Case -1 : A sample smart contract was deployed on network -

The screenshot shows a Mac desktop with a terminal window and a Remix IDE window.

Terminal Window: Displays logs from a Besu node. A red box highlights the text "Block created with deployed smart contract".

```
2023-08-23 16:20:12.029+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Produced #1,239 / 0 tx / 0 pending / 0 (0.0%) gas / (0xdca8330165ada3276fe429fc2daad9f548e275b  
14dbdb36aa7726975d4b35f9)  
2023-08-23 16:20:14.030+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,240 / 0 tx / 0 pending / 0 (0.0%) gas / (0x269a452a6b296195de0e077b02cb1f2f524209a  
fc96cf672db53a81504b4b67c)  
2023-08-23 16:20:16.029+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,241 / 0 tx / 0 pending / 0 (0.0%) gas / (0x0aaafeab02b6d44e0411828edb833b1a237e84a  
78c1f93104c1a9091b8c840aa)  
2023-08-23 16:20:18.026+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,242 / 0 tx / 0 pending / 0 (0.0%) gas / (0xb6d3bc128658dbfdadccfb37d1a8fd151767bd  
2ffb53ea7c5608550f697271a)  
2023-08-23 16:20:20.028+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,243 / 0 tx / 0 pending / 0 (0.0%) gas / (0x668365b50ecd2e73dce5c179e77ea16ce555019  
cd7d0e46bf60ca5fdaac1308d)  
2023-08-23 16:20:22.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,244 / 0 tx / 0 pending / 0 (0.0%) gas / (0xa65e857c4087b7d2e7e9c18ac184a3ead01476b  
4f054b3375019508cd1ac1d1a)  
2023-08-23 16:20:24.027+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,245 / 0 tx / 0 pending / 0 (0.0%) gas / (0x95ecd2938d5a28ef492869fee4a7b8af5ca86  
0195e86c383a73cf60c0a859d)  
2023-08-23 16:20:26.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Produced #1,246 / 0 tx / 0 pending / 0 (0.0%) gas / (0x7e14c1c84c024b8e1089  
71f6c49836a4c72cc3b603a10)  
2023-08-23 16:20:26.048+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| BlockTask | Block 1246 (0xe1e2b30b9c8d952332475e14c1c84c024b8e108971f6c49836a4c72cc3b603a10) is already imported  
2023-08-23 16:20:28.029+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,247 / 0 tx / 0 pending / 0 (0.0%) gas / (0x6343a1aeee8cd2fe5d2b719082a0a5acedea315  
fa981f12574d6615438106c30)  
2023-08-23 16:20:30.033+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,248 / 0 tx / 0 pending / 0 (0.0%) gas / (0x5d6bbec657b428845a7a8f1299fc89783da324  
ee19207571e5efb9c9aec1279)  
2023-08-23 16:20:32.032+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,249 / 0 tx / 0 pending / 0 (0.0%) gas / (0x6d7d0dacdf2aa4b23a524f455e4b4ca6bb4c68b  
bbeaaaf9575ae83f9d5f7f31bd)  
2023-08-23 16:20:34.030+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,250 / 0 tx / 0 pending / 0 (0.0%) gas / (0x5bb30fc7a71bb37e04dd8277fc0e66cb38d21cd  
9fd35af025d9d5a26e5e2798e)  
2023-08-23 16:20:36.057+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,251 / 1 tx / 0 pending / 125,677 (2.7%) gas / (0x97dbf0af5ede31251063e0b922f3cac59  
ae56cadcdc541e77ceb40a298e52a74)  
2023-08-23 16:20:38.024+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,252 / 0 tx / 0 pending / 0 (0.0%) gas / (0x1d997bcc82ca0ad12b937aa1de9588f57147ec2  
47dae4cbed15a0d56a9b66d24)  
2023-08-23 16:20:40.029+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Produced #1,253 / 0 tx / 0 pending / 0 (0.0%) gas / (0x4bc5d91f78b037fd0ecd5aecd786293986ba5c32  
de16c04f5c53898fcf1965b63)  
2023-08-23 16:20:42.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder  
| Imported #1,254 / 0 tx / 0 pending / 0 (0.0%) gas / (0x0d96323422cc8b6964a12caf04e2640365af4d2  
5fee72cd38cbaa417ecb36fdf)
```

Remix IDE Window: Shows the "DEPLOY & RUN TRANSACTIONS" interface. The "ENVIRONMENT" dropdown is set to "Injected Provider - MetaMask" (Custom (1337) network). The "ACCOUNT" dropdown shows the address "0x087...78C69 (9999.9)". The "GAS LIMIT" is set to 3000000. The "VALUE" field is set to 0 Wei. The "CONTRACT" dropdown is set to "Storage - contracts/1_Storag". The "evm version: paris" dropdown is selected. A red box highlights the "Deploy" button. The "Transactions recorded" section shows one transaction record. The "Deployed Contracts" section shows the deployed contract "Storage".

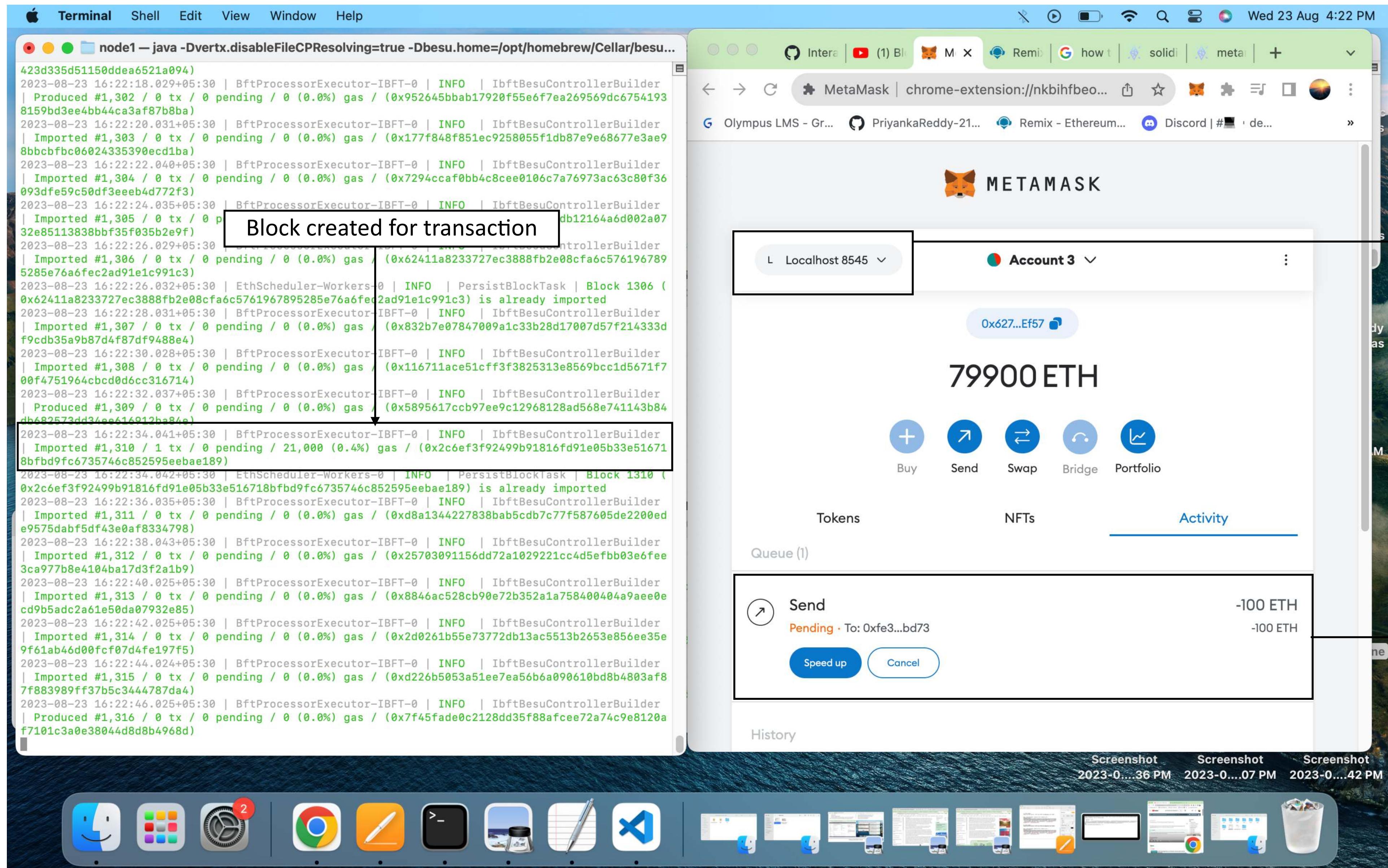
Code Snippet:

```
// SPDX-License-Identifier: G0  
pragma solidity >=0.8.2 <0.9.  
  
contract Storage {  
    uint256 number;  
  
    /**  
     * @dev Store value in va  
     * @param num value to st  
     */  
    function store(uint256 nu  
        number = num;  
    }  
  
    listen on all transactions  
    to: Storage.  
(constructor)  
value: 0 wei  
data:  
0x608...20033  
logs: 0  
hash:  
0x97d...52a74
```

Connected to our private network via Metamask

Smart contract deployed successfully on network, from RemixIDE.

Test Case -2 : Direct monetary transaction between 2 accounts via Metamask-



Test Case -2 : Direct monetary transaction between 2 accounts via Metamask-

Terminal Shell Edit View Window Help

node1 — java -Dvertx.disableFileCPResolving=true -Dbesu.home=/opt/homebrew/Cellar/besu/2.1.0/... | Imported #1,306 / 0 tx / 0 pending / 0 (0.0%) gas / (0x62411a8233727ec3888fb2e08cfa6c5761967895285e76a6fec2ad91e1c991c3) 2023-08-23 16:22:26.032+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 1306 (0x62411a8233727ec3888fb2e08cfa6c5761967895285e76a6fec2ad91e1c991c3) is already imported 2023-08-23 16:22:28.031+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,307 / 0 tx / 0 pending / 0 (0.0%) gas / (0x832b7e07847009a1c33b28d17007d57f214333df9cdb35a9b87d4f87df9488e4) 2023-08-23 16:22:30.028+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,308 / 0 tx / 0 pending / 0 (0.0%) gas / (0x116711ace51cff3f3825313e8569bcc1d5671f700f4751964cbc0d6cc316714) 2023-08-23 16:22:32.037+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Produced #1,309 / 0 tx / 0 pending / 0 (0.0%) gas / (0x5895617ccb97ee9c12968128ad568e741143b84db682573dd34ee616912ba84e) 2023-08-23 16:22:34.041+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,310 / 1 tx / 0 pending / 21,000 (0.4%) gas / (0x2c6ef3f92499b91816fd91e05b33e516718bfb9fc6735746c852595eebae189) 2023-08-23 16:22:34.042+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 1310 (0x2c6ef3f92499b91816fd91e05b33e516718bfb9fc6735746c852595eebae189) is already imported 2023-08-23 16:22:36.035+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,311 / 0 tx / 0 pending / 0 (0.0%) gas / (0xd8a1344227838bab5cd7c77f587605de2200ed e9575dabf5df43e0af8334798) 2023-08-23 16:22:38.043+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,312 / 0 tx / 0 pending / 0 (0.0%) gas / (0x25703091156dd72a1029221cc4d5efbb03e6fee3ca977b8e4104ba17d3f2a1b9) 2023-08-23 16:22:40.025+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,313 / 0 tx / 0 pending / 0 (0.0%) gas / (0x8846ac528cb90e72b352a1a758400404a9aee0ecd9b5adc2a61e50da07932e85) 2023-08-23 16:22:42.025+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,314 / 0 tx / 0 pending / 0 (0.0%) gas / (0x2d0261b55e73772db13ac5513b2653e856ee35e9f61ab46d00fcf07d4fe197f5) 2023-08-23 16:22:44.024+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,315 / 0 tx / 0 pending / 0 (0.0%) gas / (0xd226b5053a51ee7ea56b6a090610bd8b4803af87f883989ff37b5c3444787da4) 2023-08-23 16:22:46.025+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Produced #1,316 / 0 tx / 0 pending / 0 (0.0%) gas / (0x7f45fade0c2128dd35f88afcee72a74c9e8120af7101c3a0e38044d8d8b4968d) 2023-08-23 16:22:48.019+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,317 / 0 tx / 0 pending / 0 (0.0%) gas / (0x3f7bf2600d4e9e3e454dfa0873e1eaec07ac9feb9b5cc6eb504faccffb0e28b) 2023-08-23 16:22:50.024+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,318 / 0 tx / 0 pending / 0 (0.0%) gas / (0x030950168f82b5db6decde5ebbe493cdabfde15739d243d3cd03a521c23ef7d0) 2023-08-23 16:22:52.027+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,319 / 0 tx / 0 pending / 0 (0.0%) gas / (0x44cb9e51fc01b538c33656548ffc1420d83330edb8e4b76a875ed6425a39b05) 2023-08-23 16:22:54.025+05:30 | BftProcessorExecutor-IBFT-0 | INFO | IbftBesuControllerBuilder | Imported #1,320 / 0 tx / 0 pending / 0 (0.0%) gas / (0xd8cda54360082b66002aa268b9b3da086f8131f89bc548840fc9881ae4ac19fe) 2023-08-23 16:22:54.027+05:30 | EthScheduler-Workers-0 | INFO | PersistBlockTask | Block 1320 (0xd8cda54360082b66002aa268b9b3da086f8131f89bc548840fc9881ae4ac19fe) is already imported

MetaMask | chrome-extension://nkbihfboehajndkhnkkhndkiobfjndm | Wed 23 Aug 4:22 PM

Account 3

localhost 8545

0x627...Ef57

79800 ETH

+ Send Swap Bridge Portfolio

Tokens NFTs Activity

Send Aug 23 · To: 0xfe3...bd73 -100 ETH -100 ETH

Send Aug 23 · To: 0xfe3...bd73 -100 ETH -100 ETH

Send -10000 FTH Screenshot Screenshot Screenshot 2023-0...36 PM 2023-0...07 PM 2023-0...42 PM

Sender account balance updated

Transaction completed

Thank You !