Post-Quantum Blockchain local deployment

Pre-requisites

- Docker
- Yarn
- Kurtosis CLI
  - Start Kurtosis engine after installation using : `kurtosis engine start`
- The NEAR-CLI Post-Quantum variant
  - The Rust NEAR-CLI Post-Quantum variant can also be used

Setup

Launch your Post-Quantum Kurtosis NEAR Module in four easy steps!

1 - Launch Docker

2 - Copy the Post-Quantum Kurtosis NEAR Module launch script by running the following:

```
curl -o ~/launch-local-pqnear-cluster.sh
https://raw.githubusercontent.com/Post-Quantum-Team/Post-Quantum-near-
kurtosis-module/master/launch-local-near-cluster.sh -L
```

3 - Grant write permission to the script file you just downloaded:

```
chmod +x ~/launch-local-pqnear-cluster.sh
```

4 - Launch the Kurtosis NEAR Module:

If you're running the NEAR-in-Kurtosis cluster on your local machine:

```
~/launch-local-near-cluster.sh
```

If you're running your NEAR-in-Kurtosis cluster on a machine you intend to access remotely, replace "1.2.3.4" with the IP address of the machine you're running the cluster on:

```
~/launch-local-near-cluster.sh --execute-params
'{"backendIpAddress":"1.2.3.4"}'
```

To get more details about the Kurtosis cluster:

```
kurtosis enclave inspect near
```

For the rest of the tutorial, please refer to the [NEAR Kurtosis documentation](#).