




Pantheon Enterprise Ethereum Client

The background features a green-to-blue gradient with faint, semi-transparent circular patterns and a scale. The scale is a large arc on the left side, with numbers ranging from 140 to 260. There are also several smaller circular elements with arrows, suggesting a technical or scientific theme.

<https://docs.pantheon.pegasys.tech/>

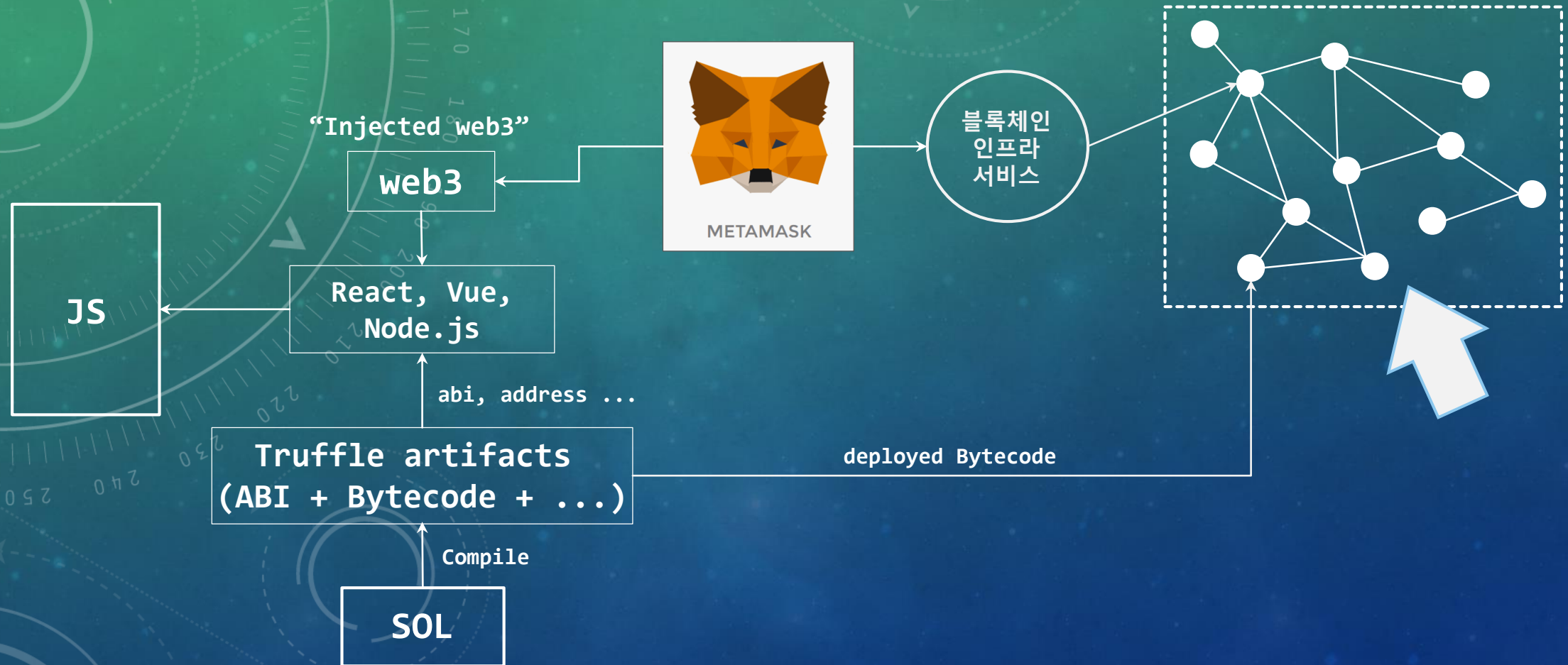
<https://github.com/PegaSysEng/pantheon/>

Pantheon

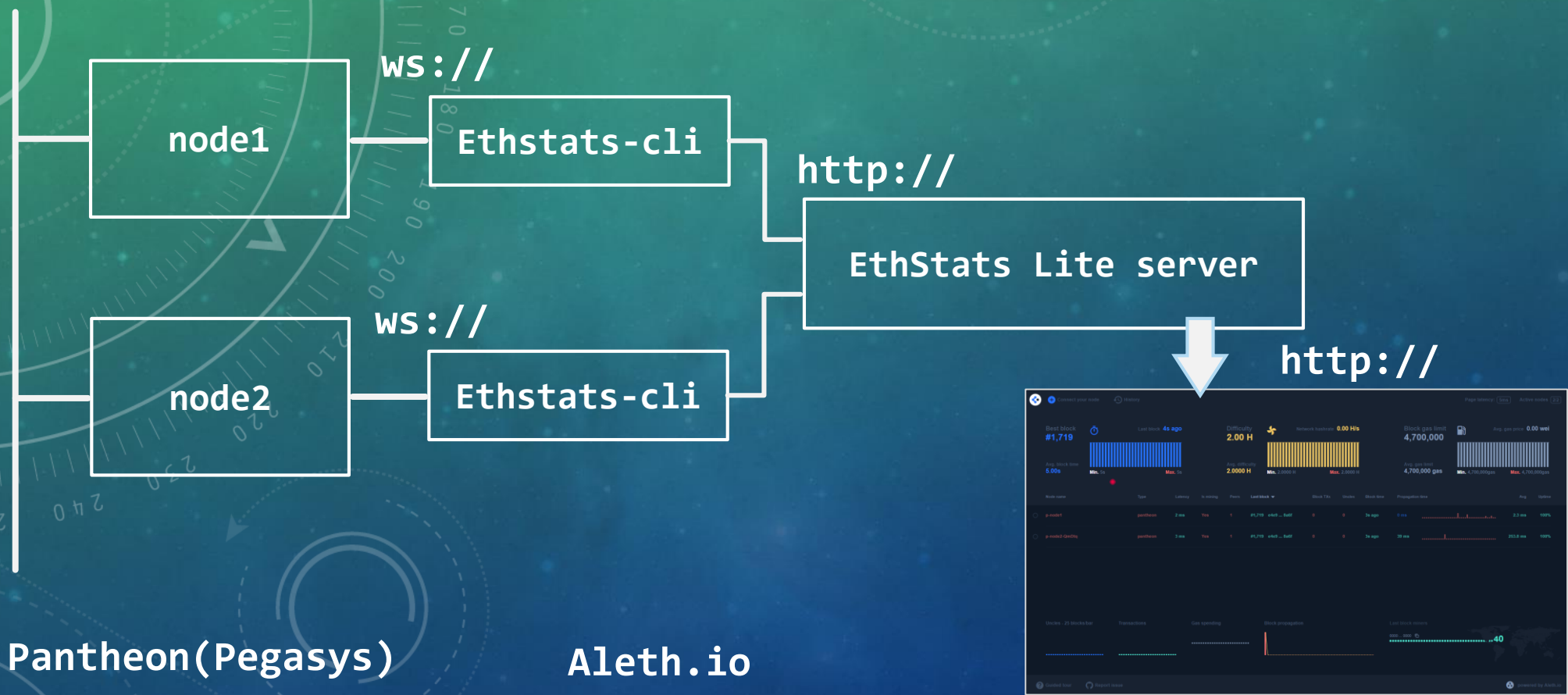
- 자바로 구현된 이더리움 프로토콜 구현체
- 이더리움 메인넷, 테스트넷, 프라이빗 노드 구성 가능
- 다양한 합의방식을 선택 가능 – PoW(ethash), PoA(Clique), IBFT 2.0, Quorum IBFT 1.0
- 오픈 소스 

<https://github.com/PegaSysEng/pantheon/>

Javascript Frontend application

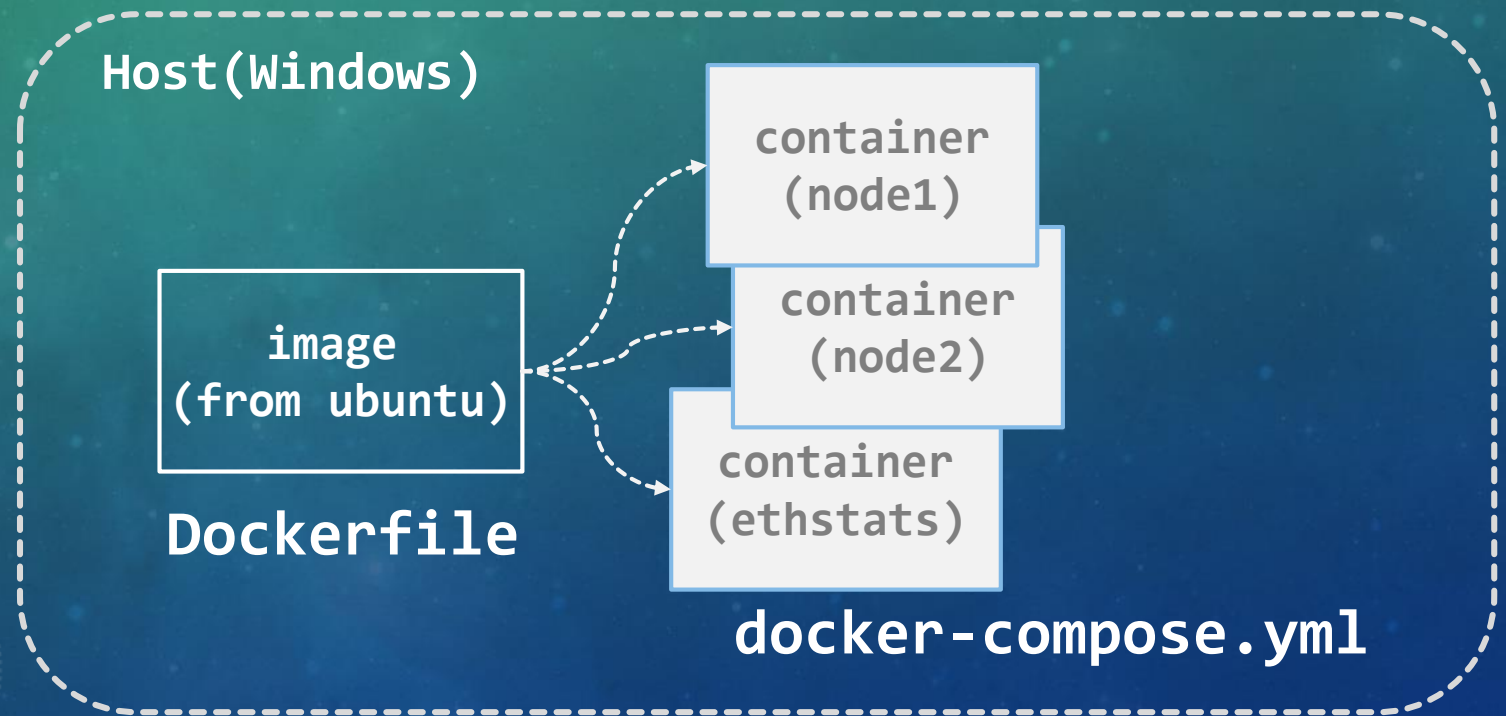
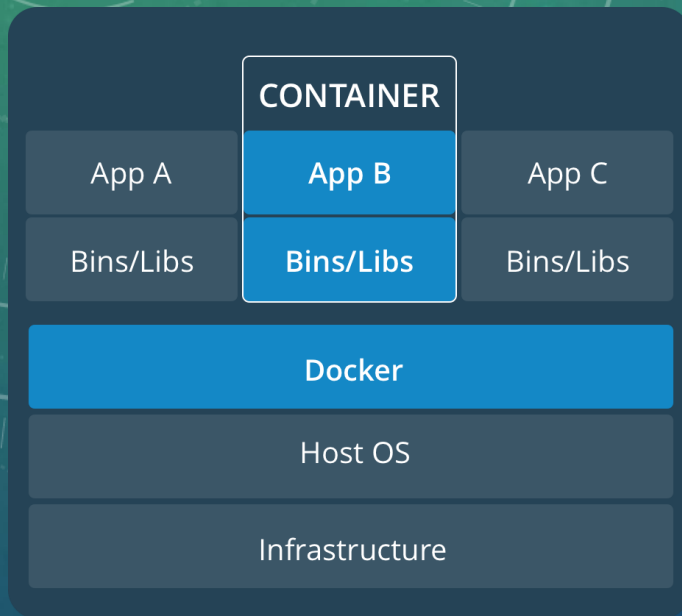


Pantheon



Pantheon

- Docker를 사용하여 노드와 모니터링 서버를 구동



Pantheon

Pantheon docker image (for Windows 10) → Dockerfile

- `pantheon-1.2.0.tar.gz` → Pantheon 1.2.0 바이너리
- `genesis.json` → 제네시스 블록 – PoA(Clique)
- `config.toml` → Pantheon 실행 옵션
- `private.key` → PoA에서 블록을 생성하는 계정의 private key

```
docker build -t pantheon-pri:0.1 .
```

PoA(Proof of Authority) – Clique

- 정해진 노드(계정, signer, sealer)가 블록을 생성
- 블록을 생성한 후 일정 시간 지난 후 다시 블록을 생성
- 최소 1개의 signer가 존재해야 함 → 제네시스 파일에서 설정
- 새로운 signer를 추가하려면 기존 signer들이 “투표”로 과반 이상의 “동의” 필요

```
{"jsonrpc": "2.0",  
  "method": "clique_propose",  
  "params": ["0xFE3B557E8Fb62b89F4916B721be55cEb828dBd73", true],  
  "id": 1}
```


The background features a gradient from light green at the top to dark blue at the bottom. On the left side, there are several overlapping circular elements, including a large semi-circular scale with numerical markings from 140 to 260 in increments of 10, and various concentric circles and arcs. The text 'Thank You' is centered in a large, white, sans-serif font.

Thank You