

Neo Oracles

Agenda

- What is an oracle in blockchain
- How oracles work in Neo
- Demo

Links

- Neo docs: <https://docs.neo.org/docs/en-us/advanced/oracle.html>
- NeoGo docs: <https://github.com/nspcc-dev/neo-go/blob/master/docs/oracle.md>
- NeoGo example: <https://github.com/nspcc-dev/neo-go/tree/master/examples/oracle>

Source of data

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Block

TX1: netmap.NewEpoch(112)
TX2: nns.Register("my.domain")

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key:value

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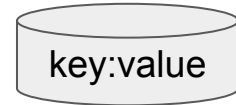
Block

TX3: weather.Update("https://www.gismeteo.ru/weather-sankt-peterburg-4079")

Source of data

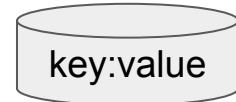
Block

TX1: netmap.NewEpoch(112)
TX2: nns.Register("my.domain")

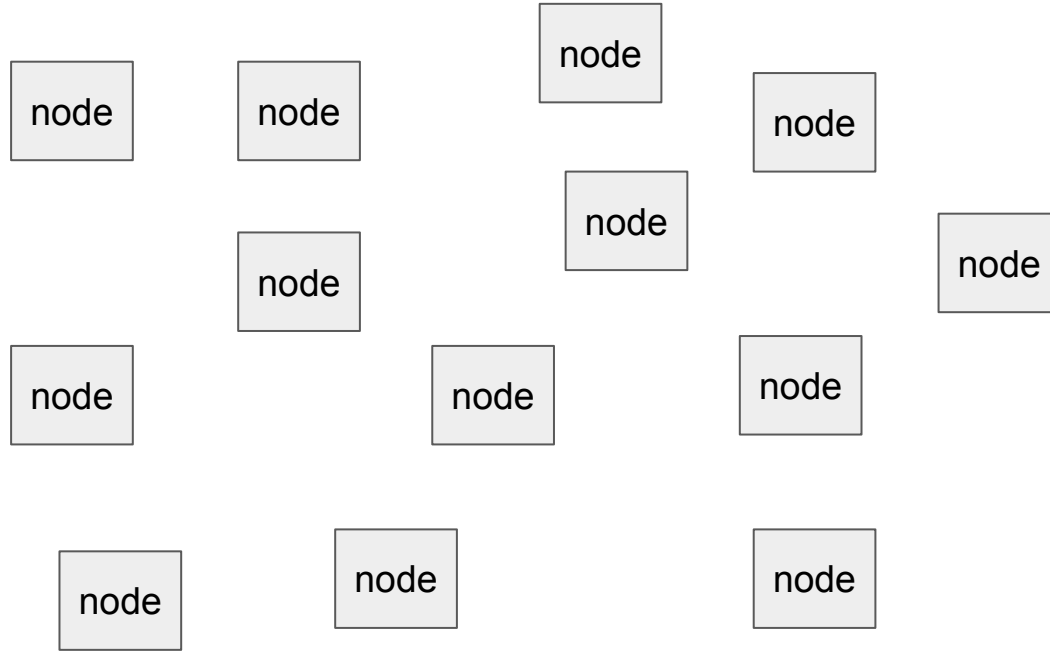


Block

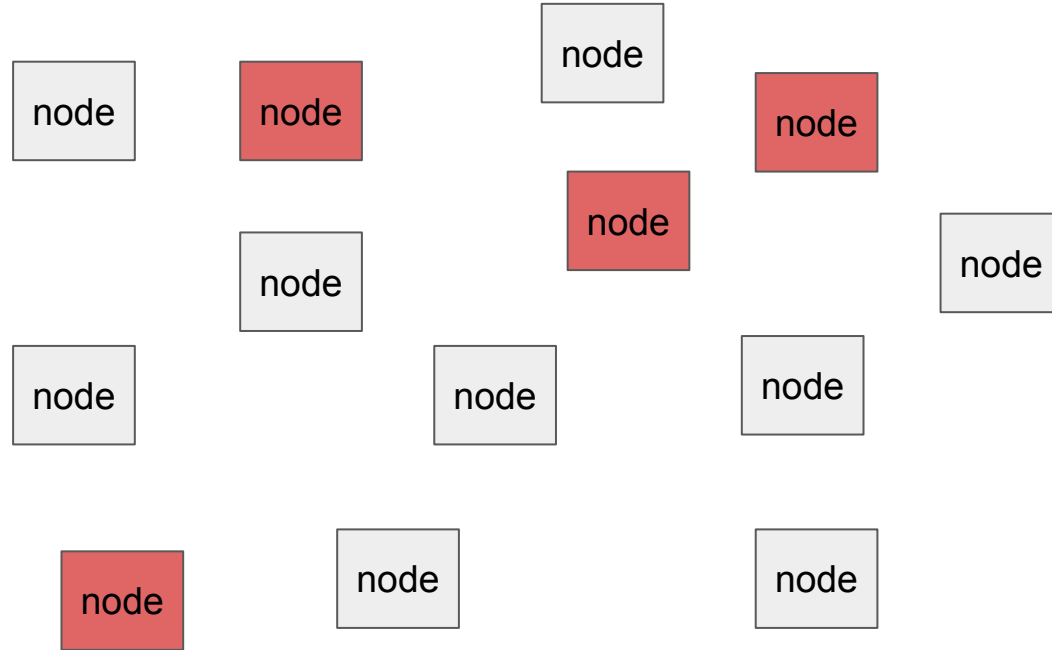
TX3: weather.Update("https://www.gismeteo.ru/weather-sankt-peterburg-4079")



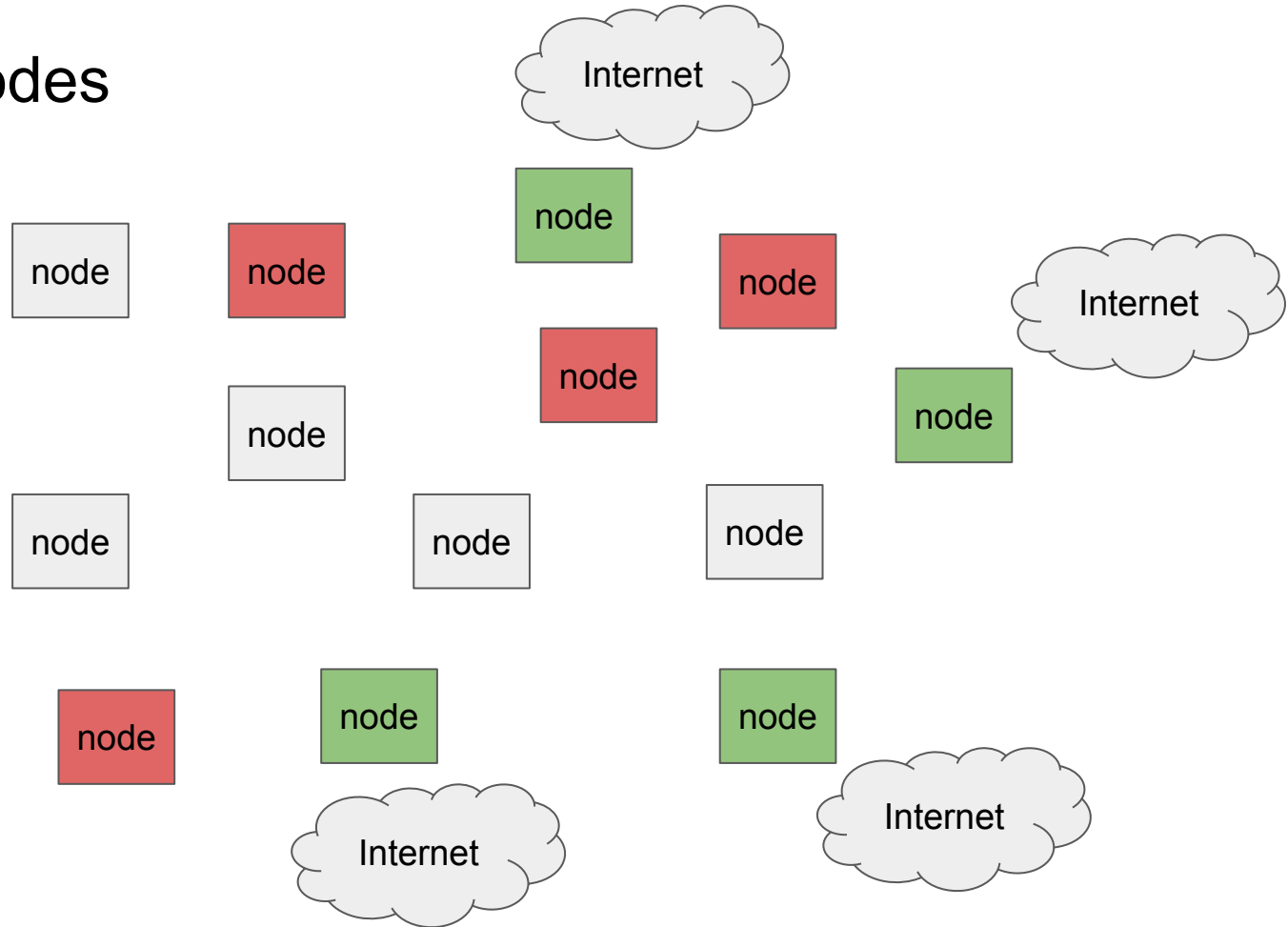
Oracle nodes



Oracle nodes



Oracle nodes



Neo oracles

Neo oracles

- Synchronous (1 block)

Neo oracles

- Synchronous (1 block)
- Asynchronous (2 block) <- Neo

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Majority vote



Neo oracles

- Synchronous (1 block)
- Asynchronous (2 block) <- Neo

Majority vote



Protocols:

- `https://`
- `neofs://`

Demo