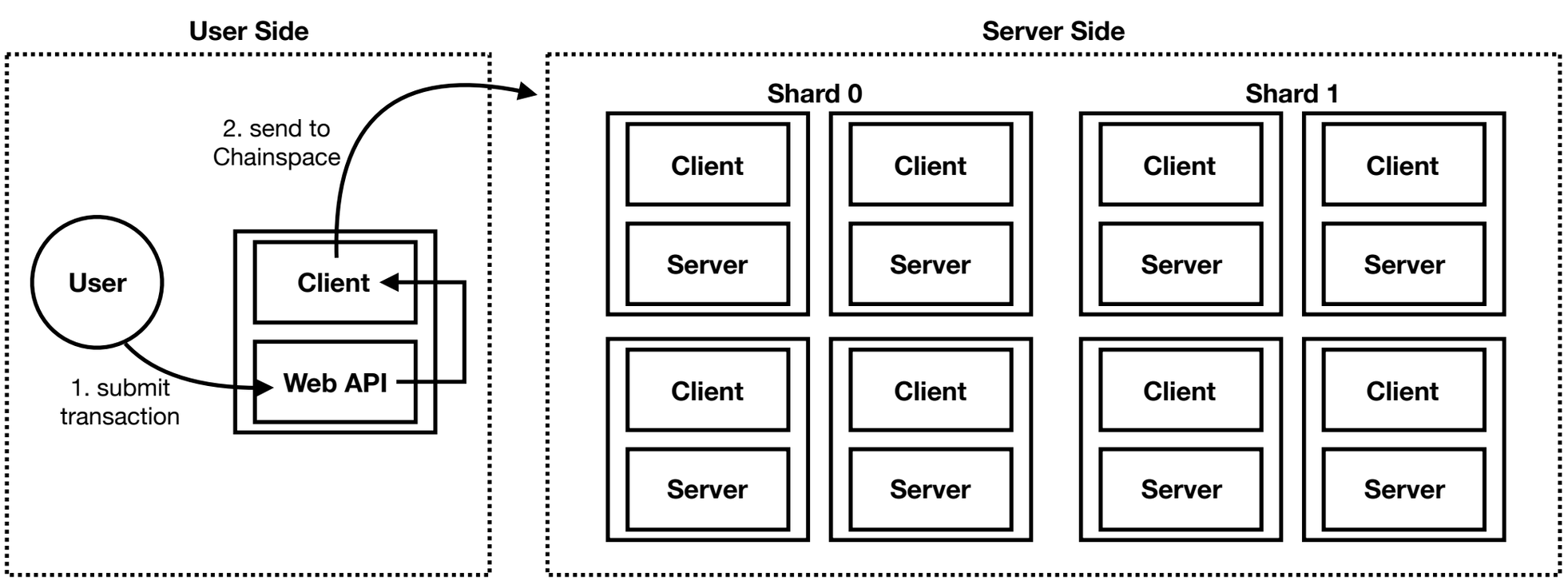
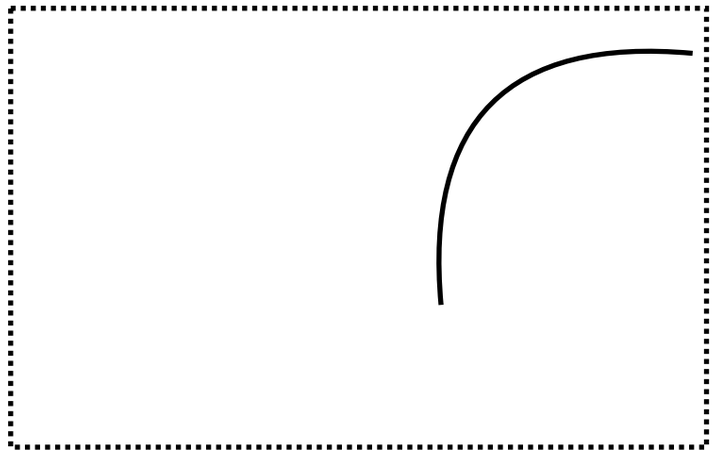
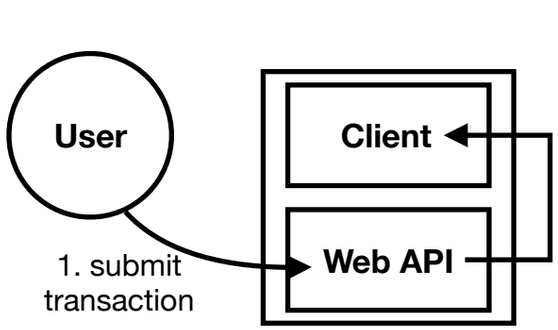
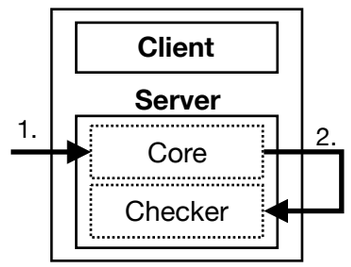
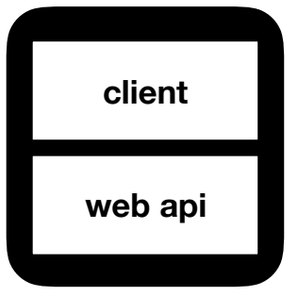
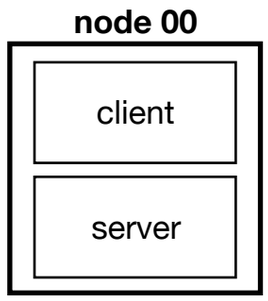

User Side
Server Side
2. send to
Chainspace
User
Client
Web API
1. submit
transaction
Shard 0
Shard 1
Client
Server

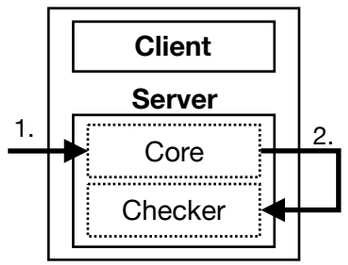


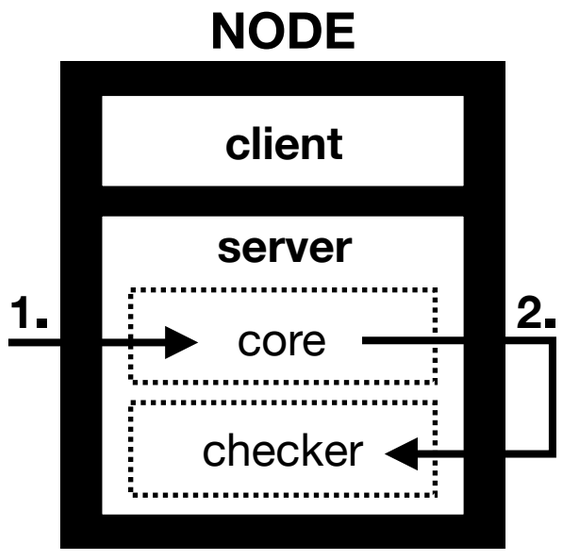

User
Client
Web API
1. submit
transaction

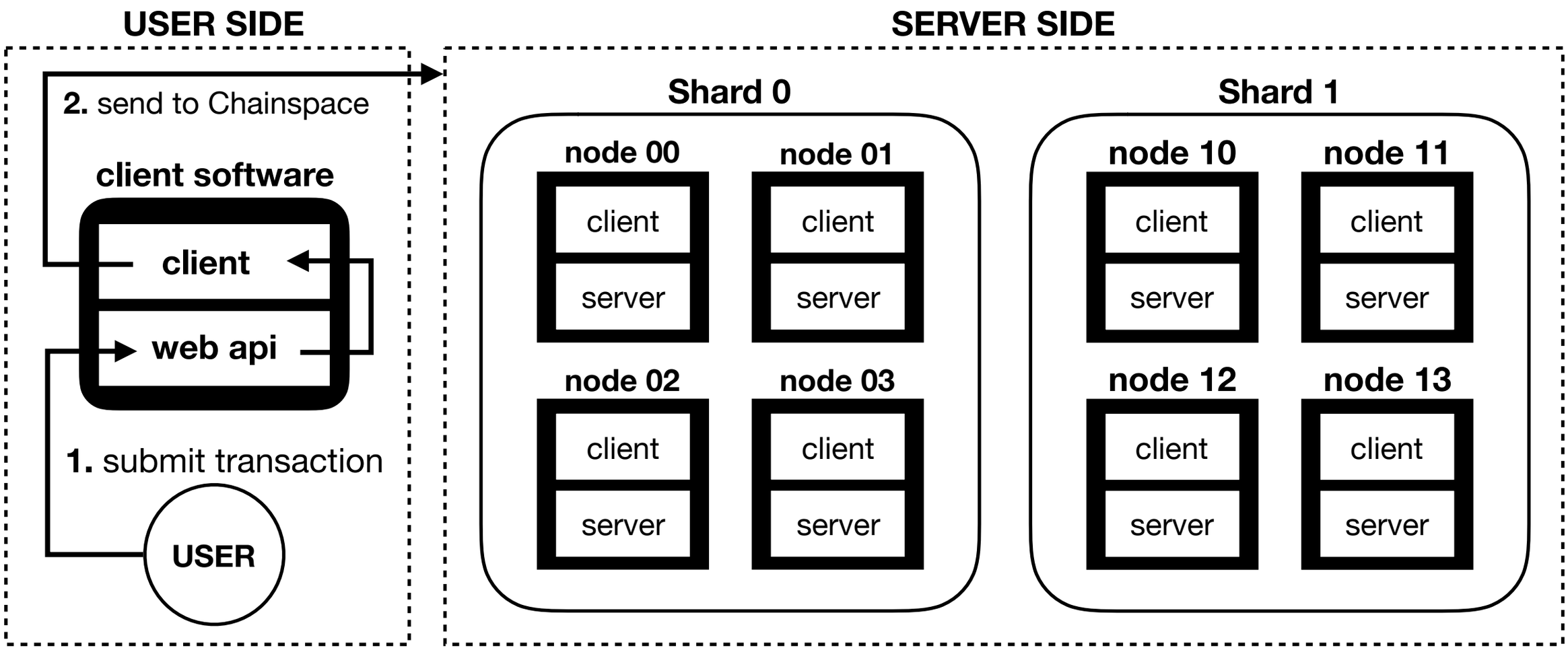

Client
Server
1.
2.
Core
Checker

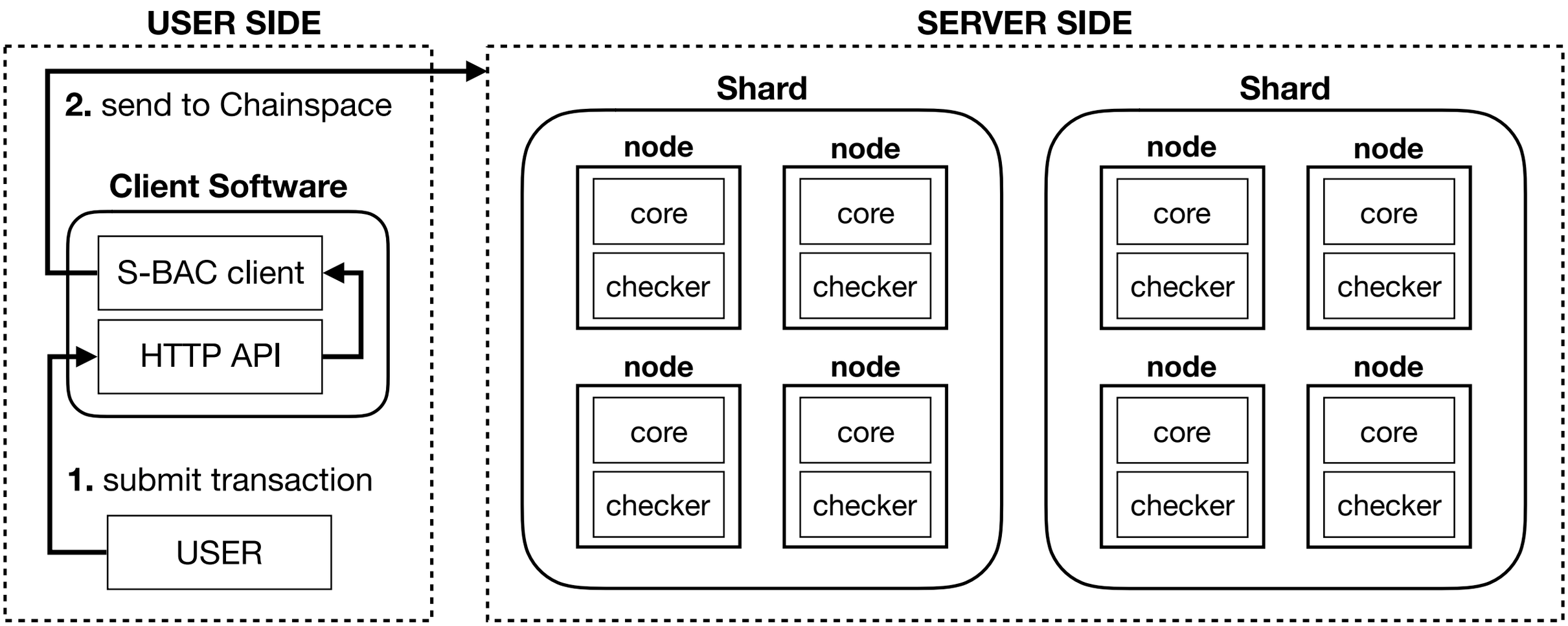

client
web api

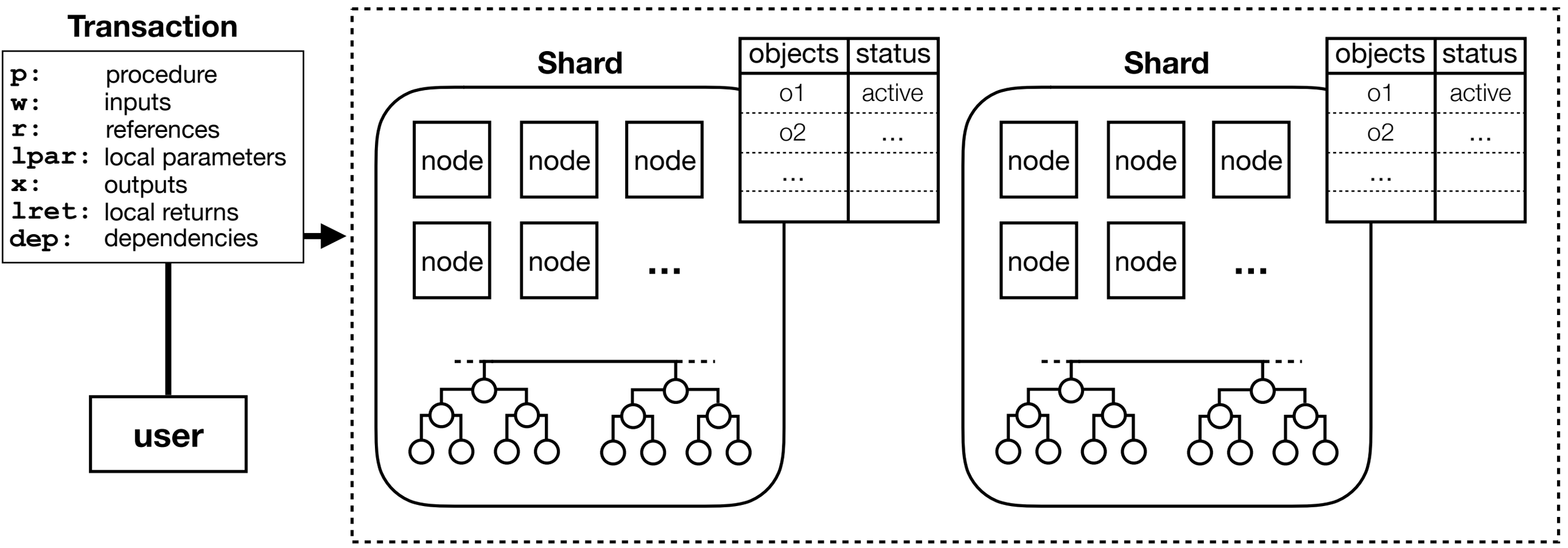

node 00
client
server

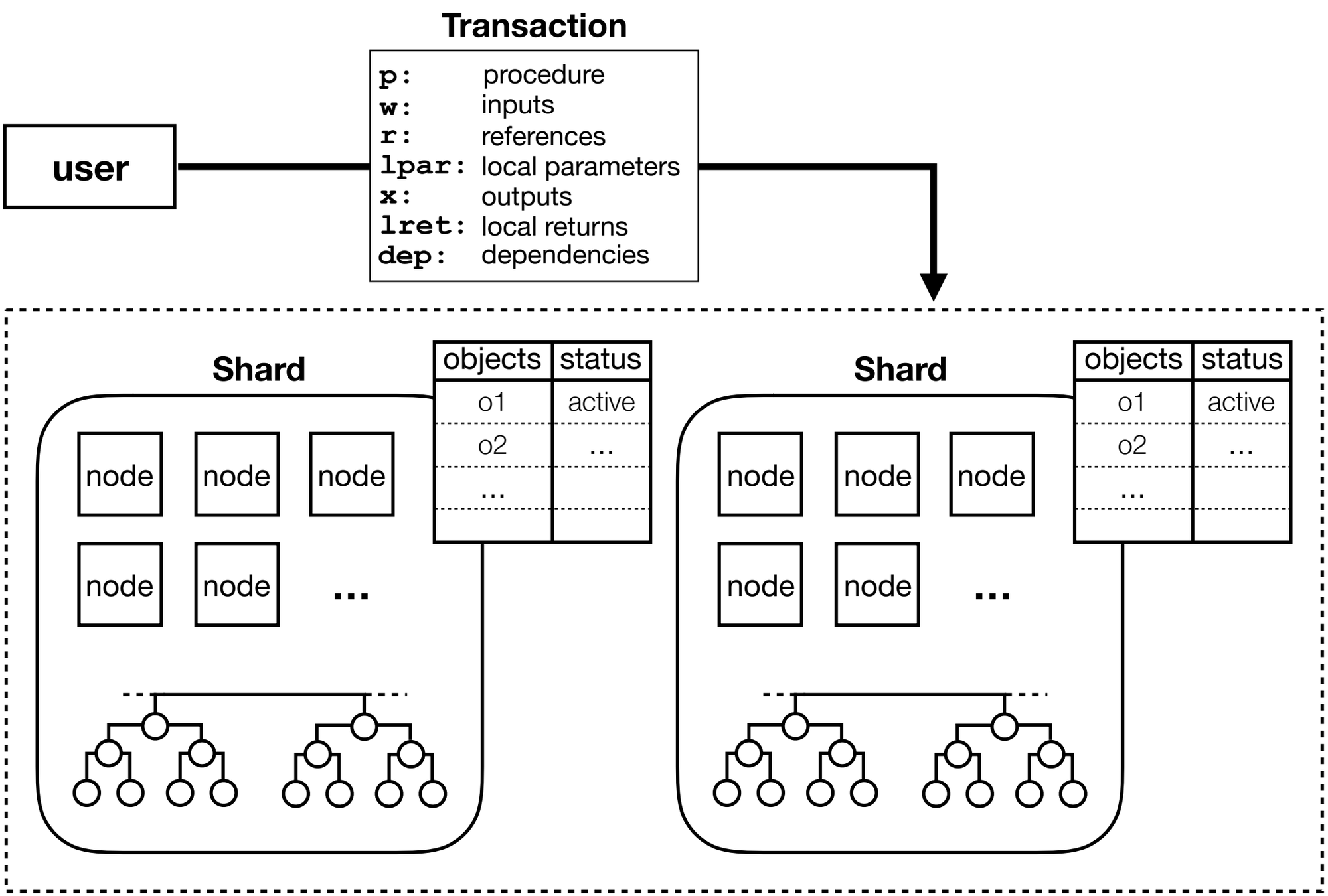

Client
Server
1.
2.
Core
Checker

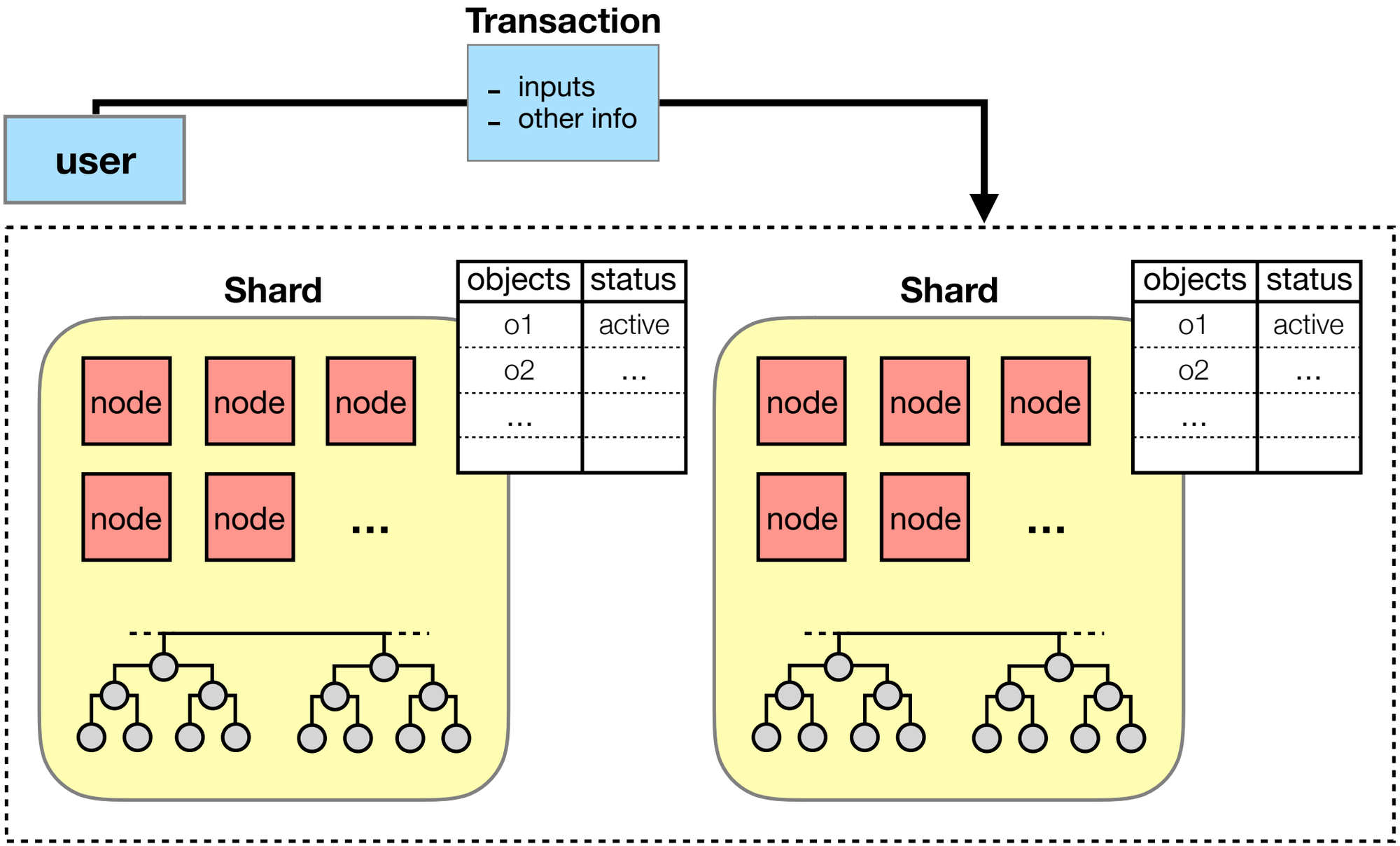

NODE
client
server
1.
core
2.
checker

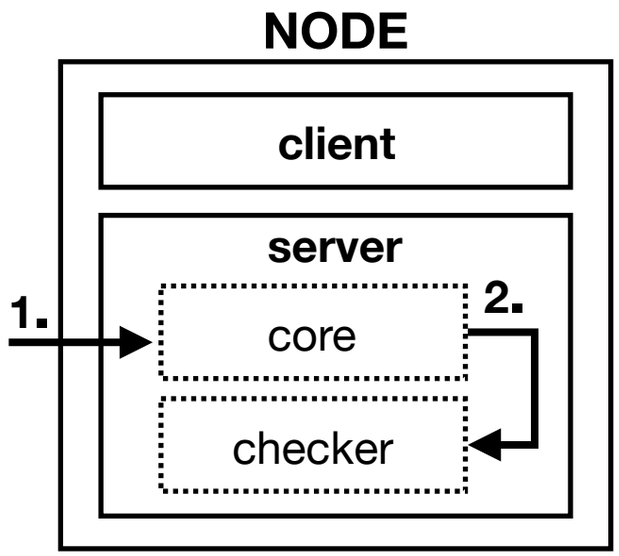

USER SIDE
SERVER SIDE
2. send to Chainspace
client software
client
web api
1. submit transaction
USER
Shard 0
node 00
client
server
node 01
client
server
node 02
client
server
node 03
client
server
Shard 1
node 10
client
server
node 11
client
server
node 12
client
server
node 13
client
server

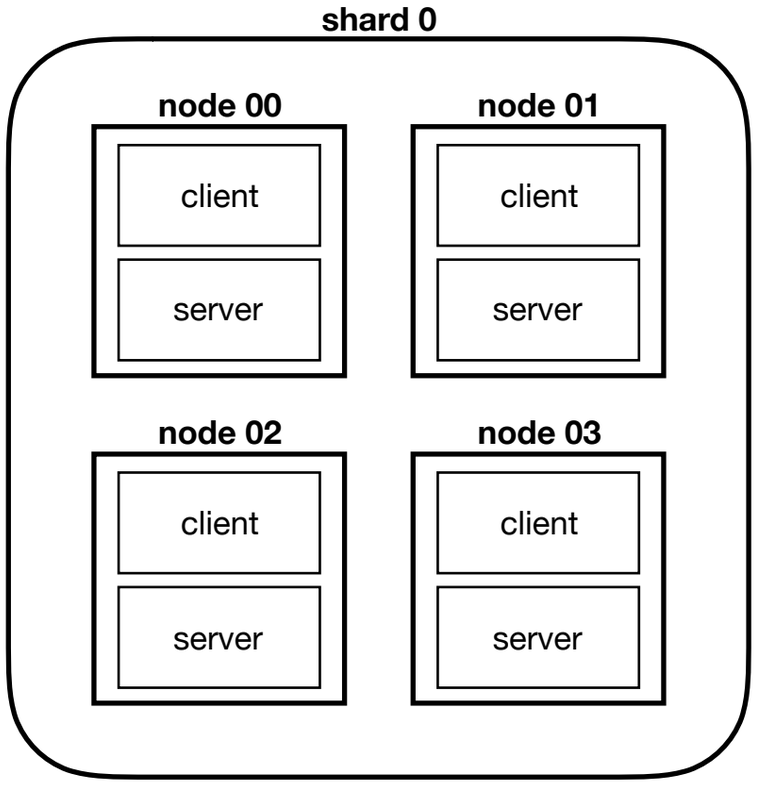

USER SIDE
SERVER SIDE
2. send to Chainspace
Client Software
S-BAC client
HTTP API
1. submit transaction
USER
Shard
node
core
checker
Shard
node
core
checker


Transaction
p: procedure
w: inputs
r: references
lpar: local parameters
x: outputs
lret: local returns
dep: dependencies
user
Shard
objects
status
o1
active
o2
...
node
Shard
objects
status
o1
active
o2
...
node


Transaction
p: procedure
w: inputs
r: references
lpar: local parameters
x: outputs
lret: local returns
dep: dependencies
user
Shard
objects
status
o1
active
o2
...
node
Shard
objects
status
o1
active
o2
...
node


Transaction
- inputs
- other info
user
Shard
node
node
node
node
node
...
objects
status
o1
active
o2
...
...
Shard
node
node
node
node
node
...
objects
status
o1
active
o2
...
...


NODE
client
server
1.
2.
core
checker


shard 0
node 00
client
server
node 01
client
server
node 02
client
server
node 03
client
server