The Future of Data and Services Portability

PONDER SOURCE

Fresh Ideas

And

Future Projects

PONDER SOURCE

PONDER
SOURCE

SPOILER

ALERT …

BUT FIRST …

Machine Readable

DATA PORTABILITY?

PONDER SOURCE

HOW?

PDS?

CSV?

DHT?

CRDT?

ZIP?

BLOCKCHAIN?

SEMANTIC WEB?

PONDER SOURCE

HOW?

API

WHY?

API

PONDER SOURCE

PONDER
SOURCE

CONNECTED

BUT

SOVEREIGN

PONDER SOURCE

PROVIDER

API

CONSUMER

SERVER

API

CLIENT

PUSH

DATA

PULL

SOURCE

DATA

DRAIN

IMPORT

POINT OF VIEW

EXPORT

SERVER

“EXPORT”

IMPORT

SOURCE

INITIATOR

RESPONDER

WHO CHOOSES THE LANGUAGE?

PULL

DEPENDENT

CLIENT

PUSH

DRAIN

POWERFUL

PONDER SOURCE

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PONDER SOURCE

“EXPORT” TO A ZIP FILE?

“EXPORT” AS AN API?

ONE-OFF

MIGRATIONS?

NGI DAPSI

OPEN CALL

Up to €150k to develop Data Portability Solutions

APPLY NOW

F6S

FUNDED BY NGI

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zabala INNOVATION · F6S · cap digital · IMT Starter · Fraunhofer IAIS · ENGINEERING

CONNECTED

BUT

SOVEREIGN

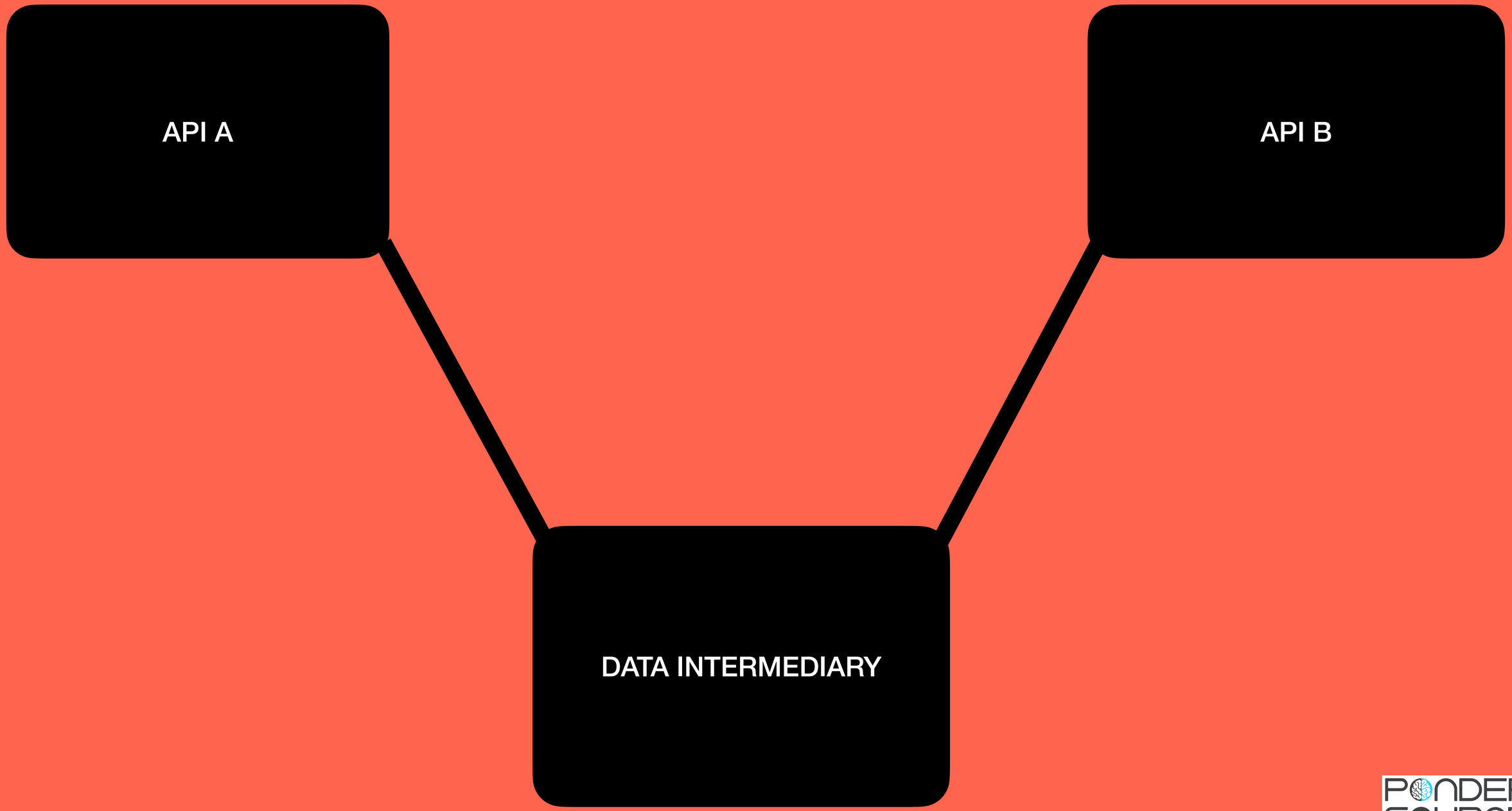
PONDER SOURCE

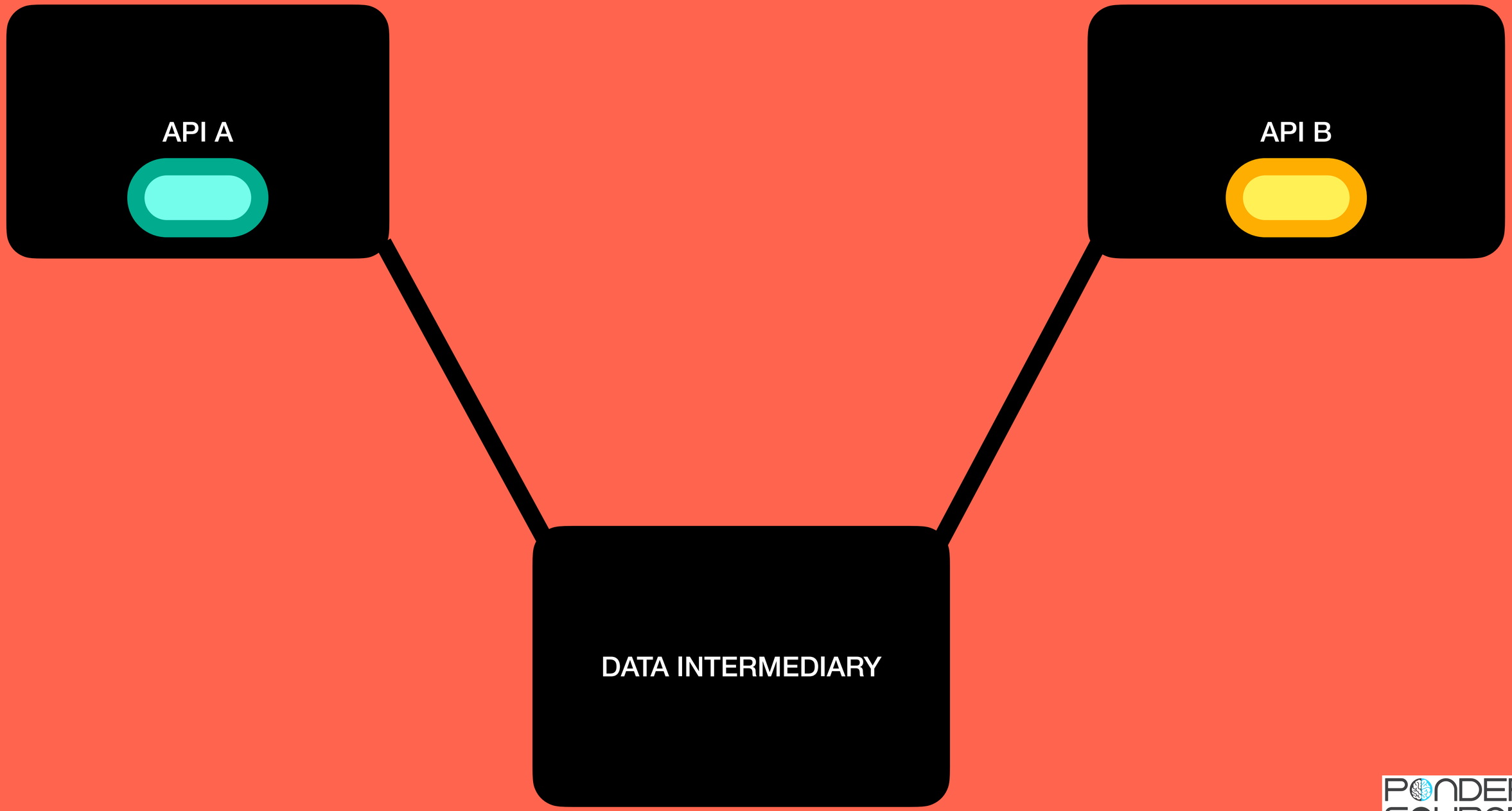
THERE WILL BE POWER IMBALANCES

THERE WILL BE API AGREEMENTS

THERE WILL BE DATA PEERING AGREEMENTS

THERE WILL BE DATA INTERMEDIARIES


API A
API B
DATA INTERMEDIARY


API A
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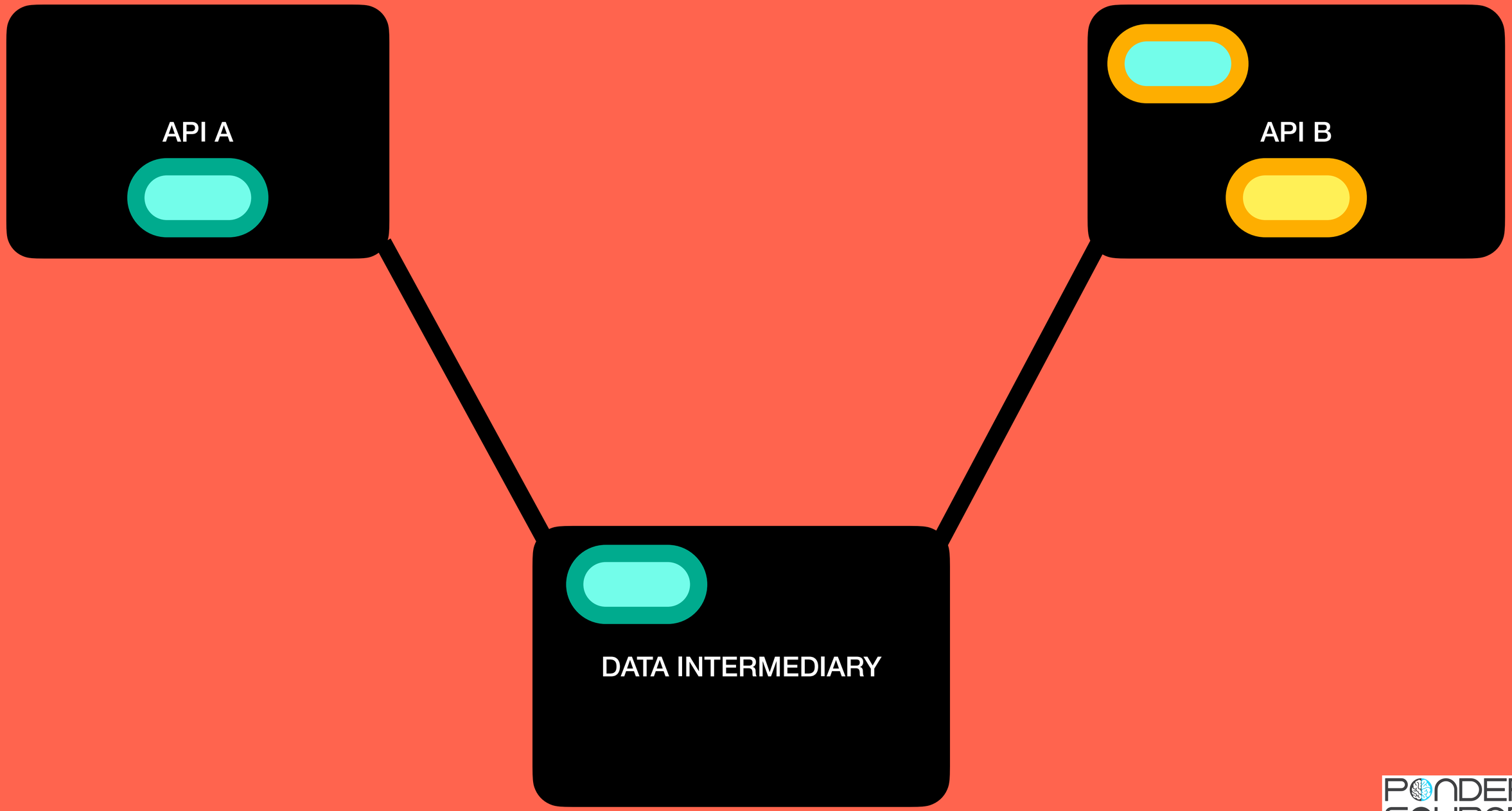
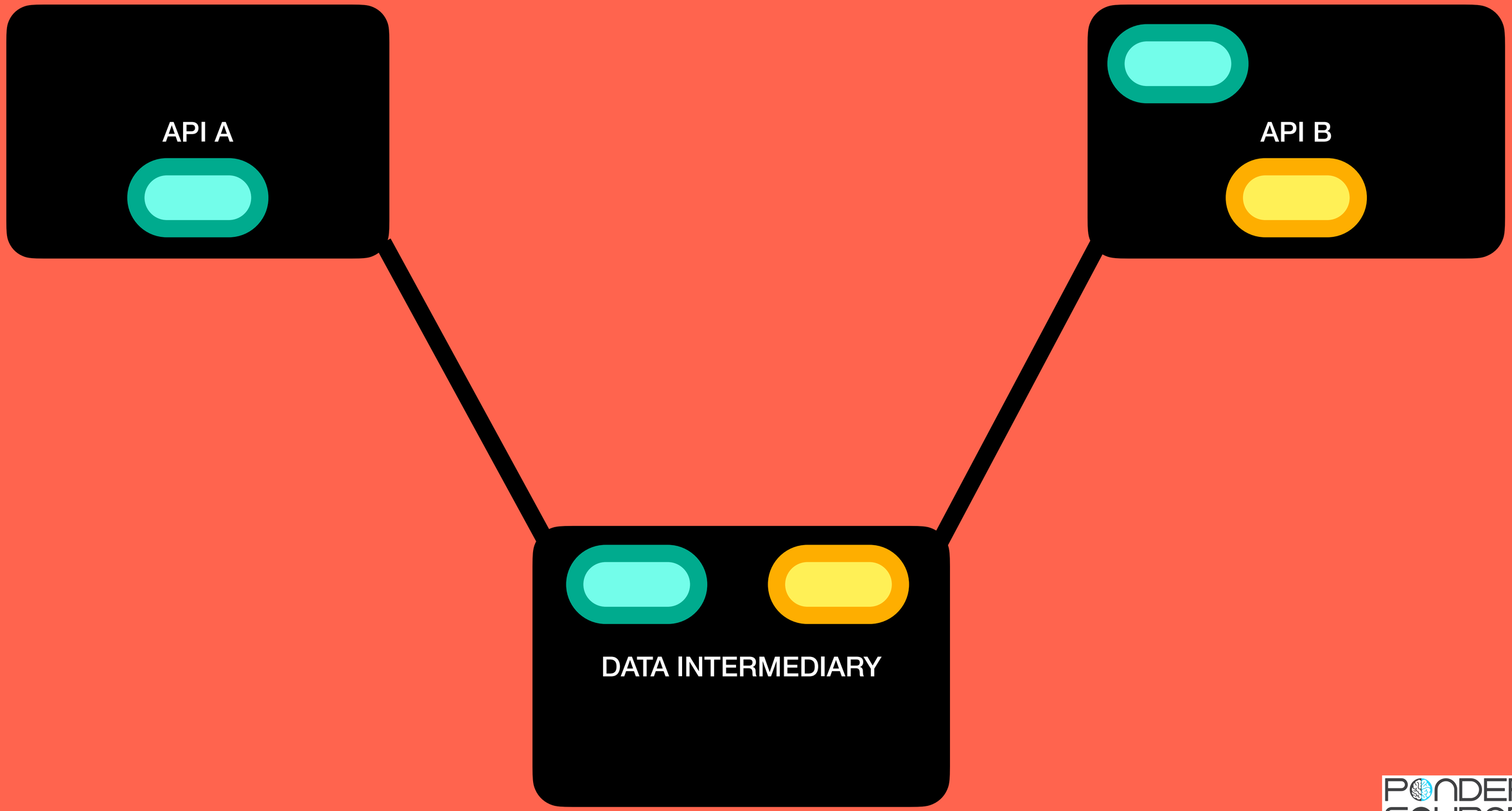
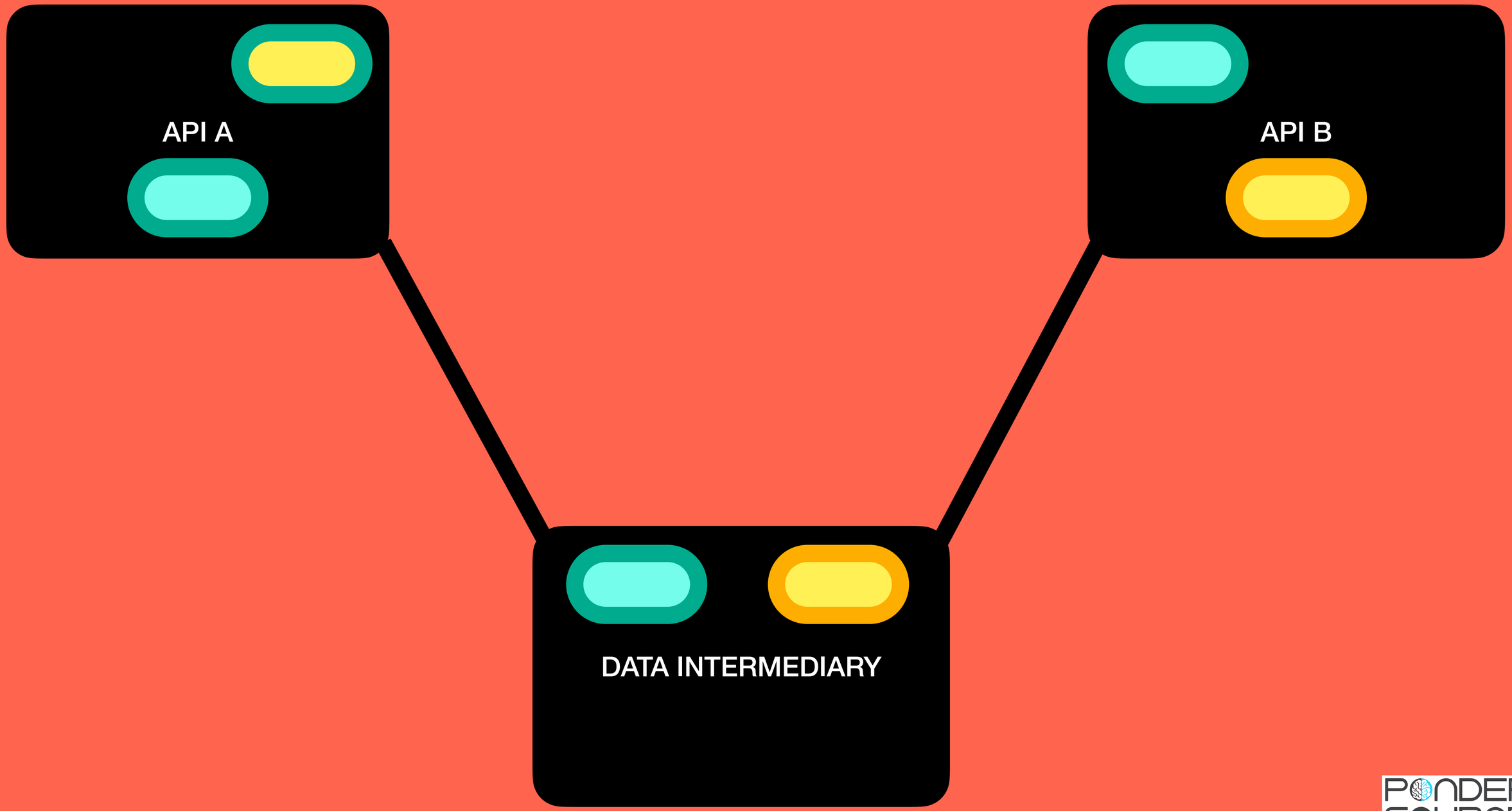
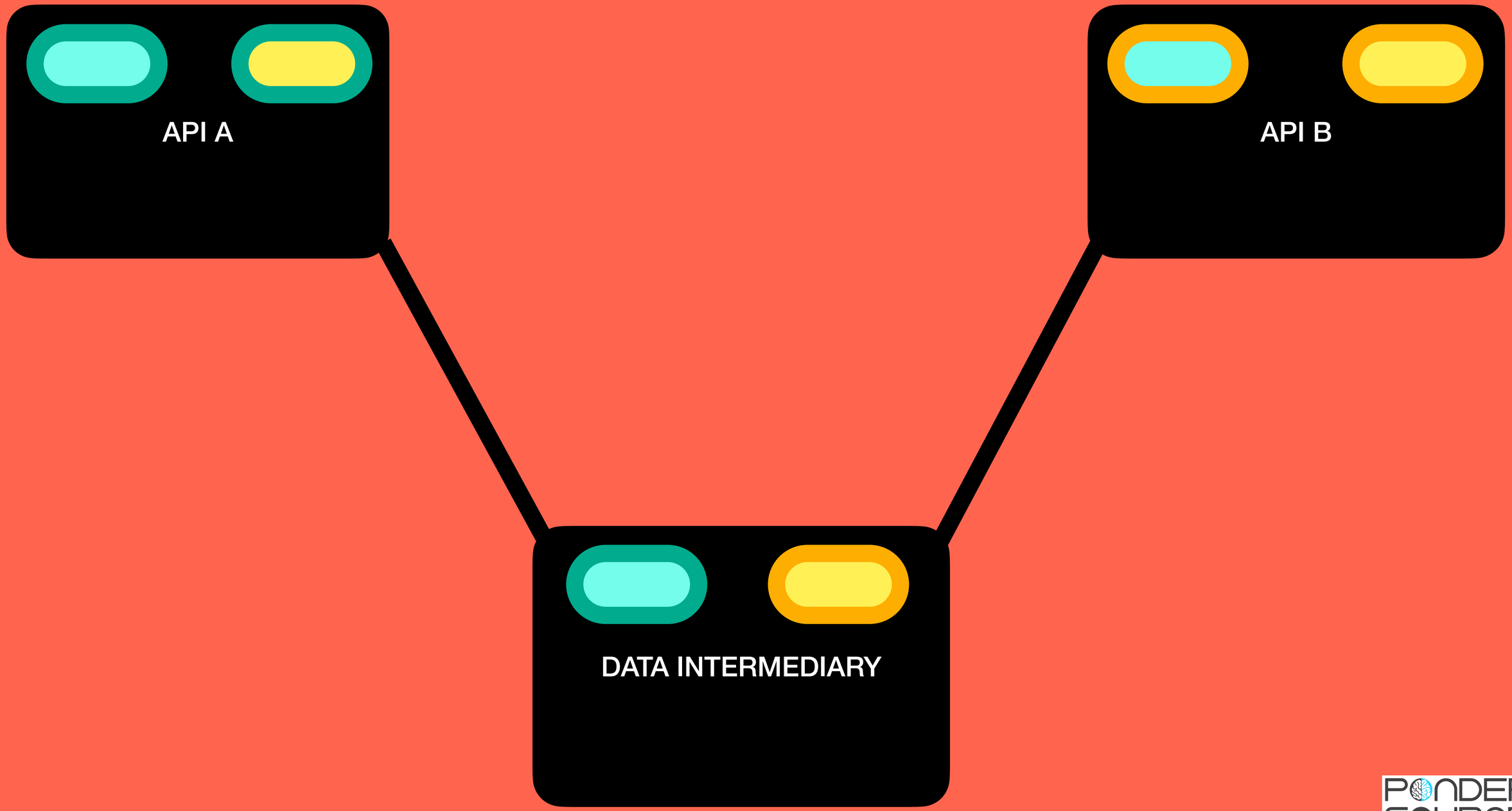
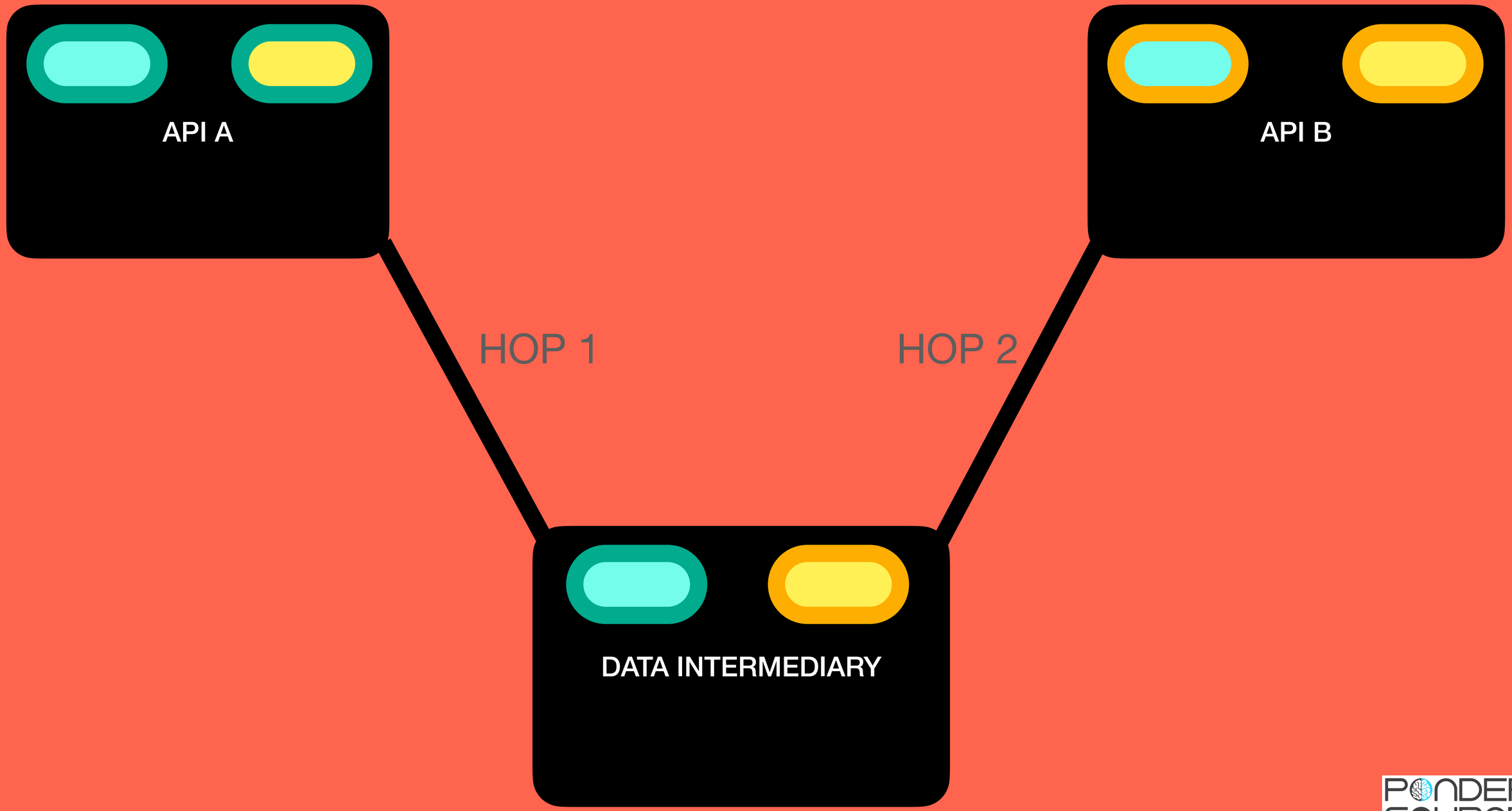

API A
API B
DATA INTERMEDIARY


API A
API B
DATA INTERMEDIARY


API A
API B
DATA INTERMEDIARY


API A
API B
DATA INTERMEDIARY


API A
API B
HOP 1
HOP 2
DATA INTERMEDIARY

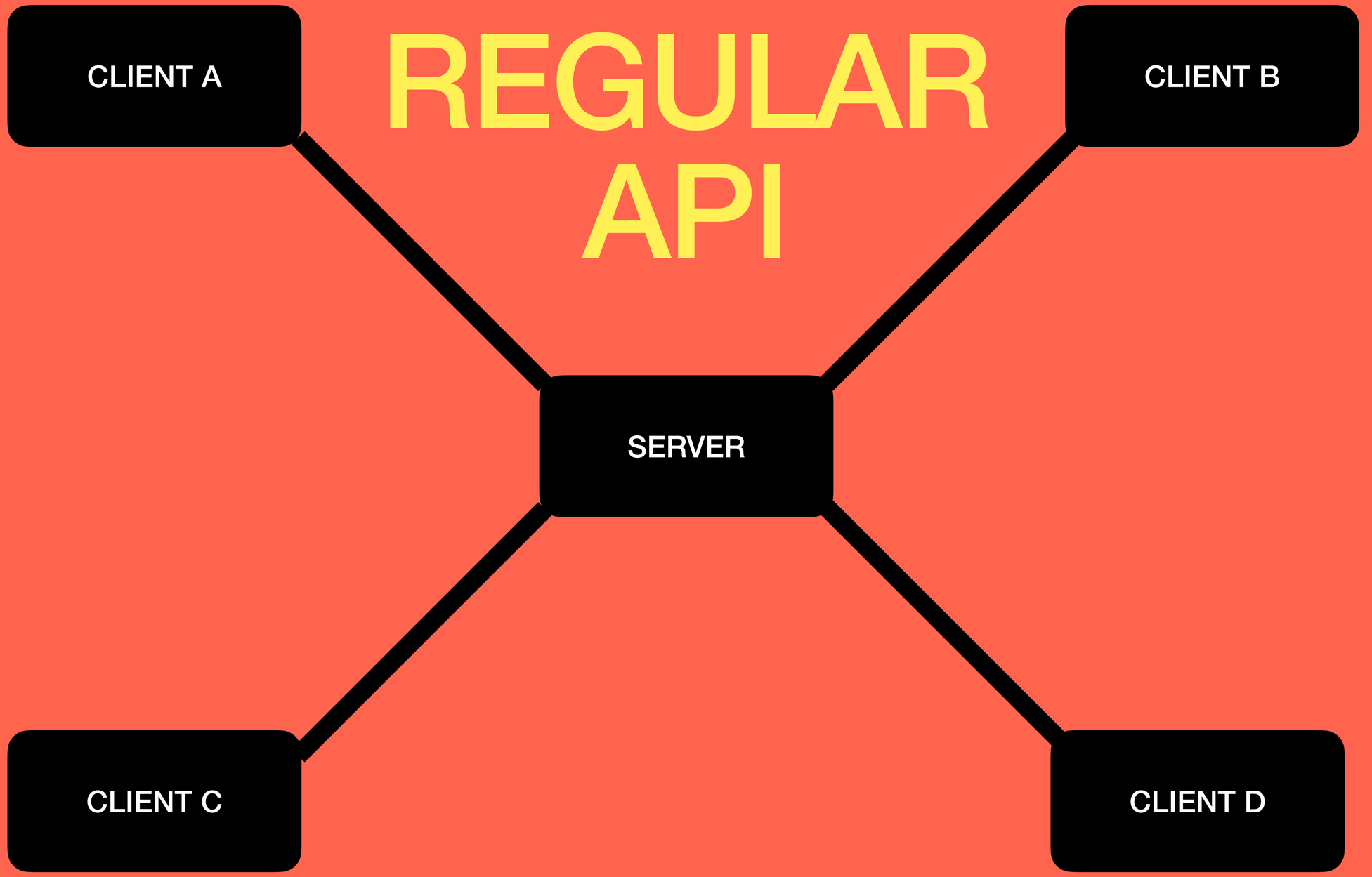
FEDERATED BOOKKEEPING

LIVE DATA

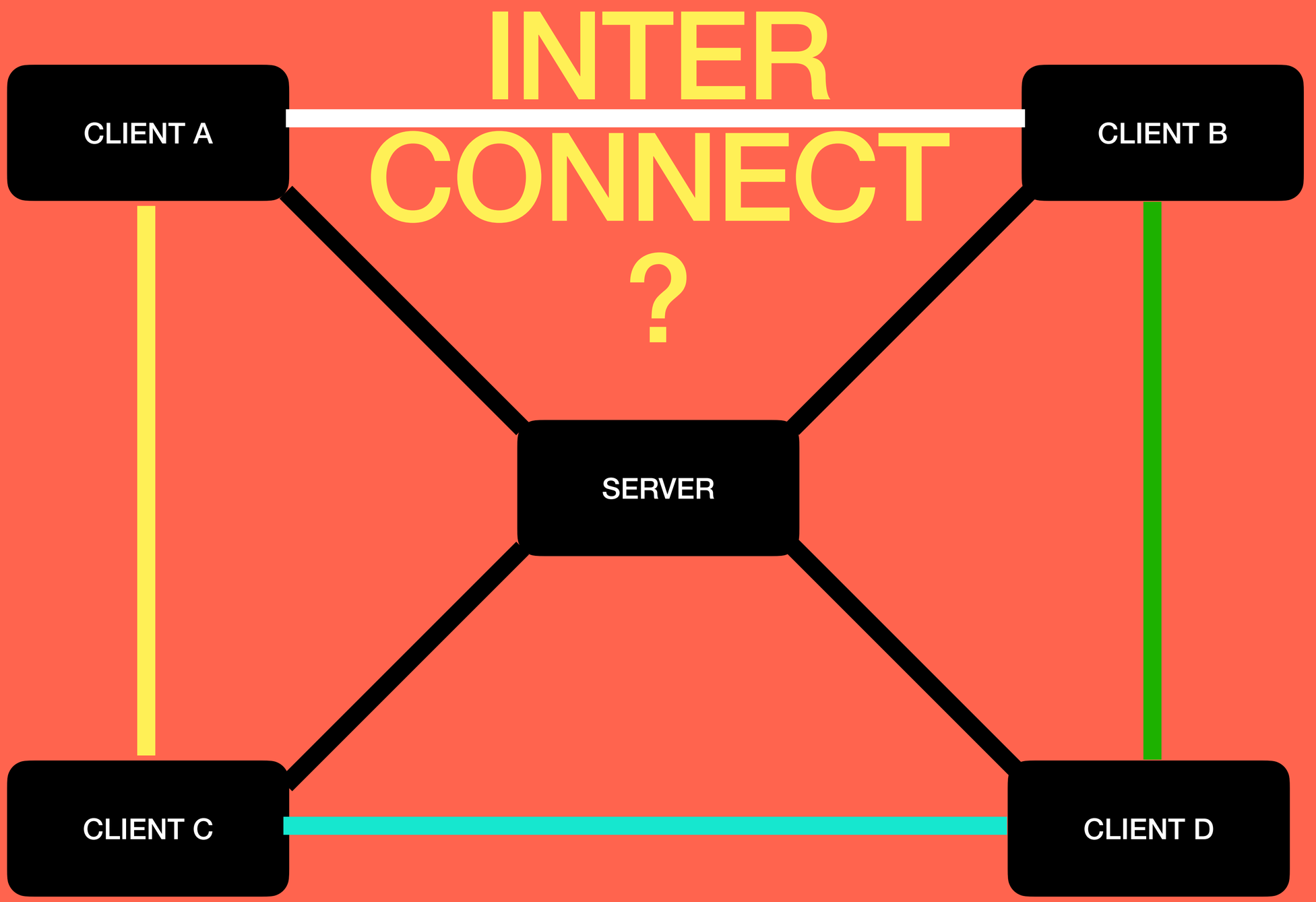
AUTOMATION

NEGOTIATION

REGULAR API

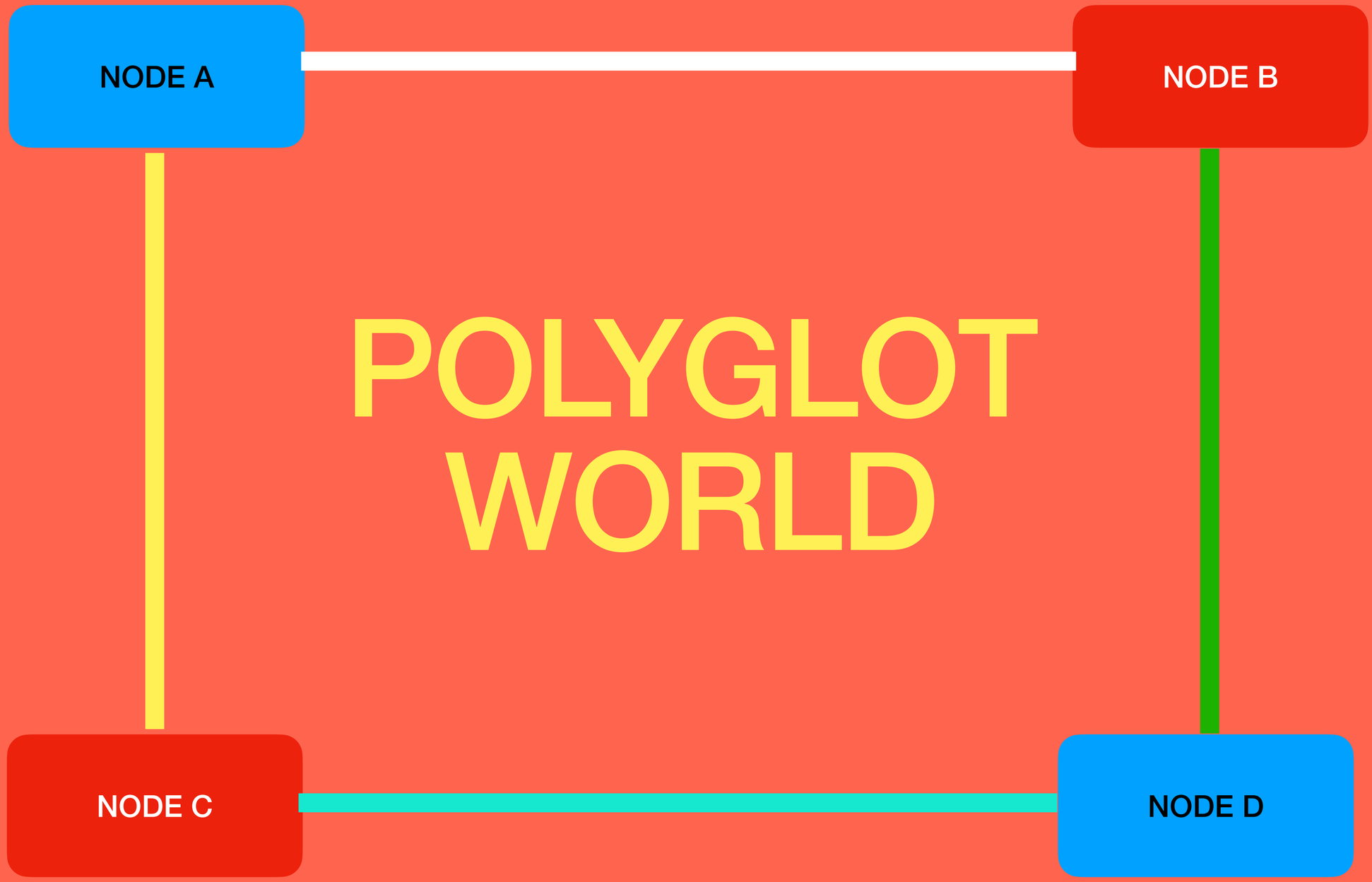


PONDER SOURCE


INTER
CONNECT
?
CLIENT A
CLIENT B
SERVER
CLIENT C
CLIENT D

CLIENT A
CLIENT B
MESH
CLIENT C
CLIENT D

NODE A
NODE B
HOP 1
MULTI
HOP
HOP 2
NODE C
NODE D
HOP 3


NODE A
NODE B
POLYGLOT
WORLD
NODE C
NODE D

THANK YOU

PONDER SOURCE

SOURCE DATA CLOGS

Content
Language
Origin
Grounding
Speech Act

PONDER SOURCE

MAPPING LOCAL IDENTIFIERS

PONDER SOURCE

MAPPING OBJECT COLLECTIONS

MAPPING ATTRIBUTE FIELDS

PONDER SOURCE

DISPLAYING FOREIGN DATA

TRACE ID’S

DATA HOOKS