



AI Smart Search

Alexandr Prozorov

Czech Technical University in Prague
Faculty of Nuclear Sciences and Physical Engineering

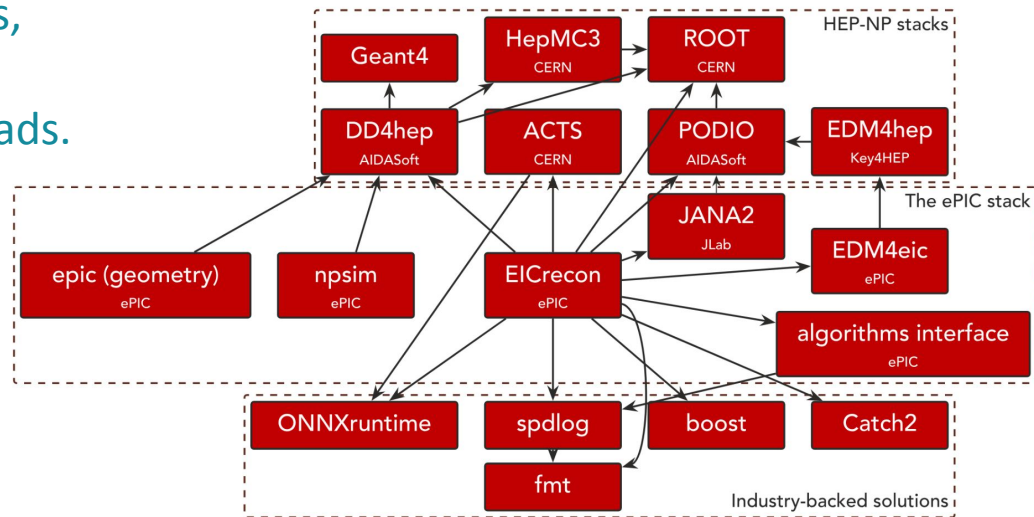


The discoverability problem

New collaborator: “Where do I start?

Who do I ask?”

Knowledge is fragmented across wikis,
READMEs, Mattermost threads,
indico talks — and inside people's heads.



Ingestion sources

eic.github.io

Docs, tutorials, eic-shell

eicug.org

BNL Wiki EPIC

Detector subsystems

epic-eic.org

github.com/eic

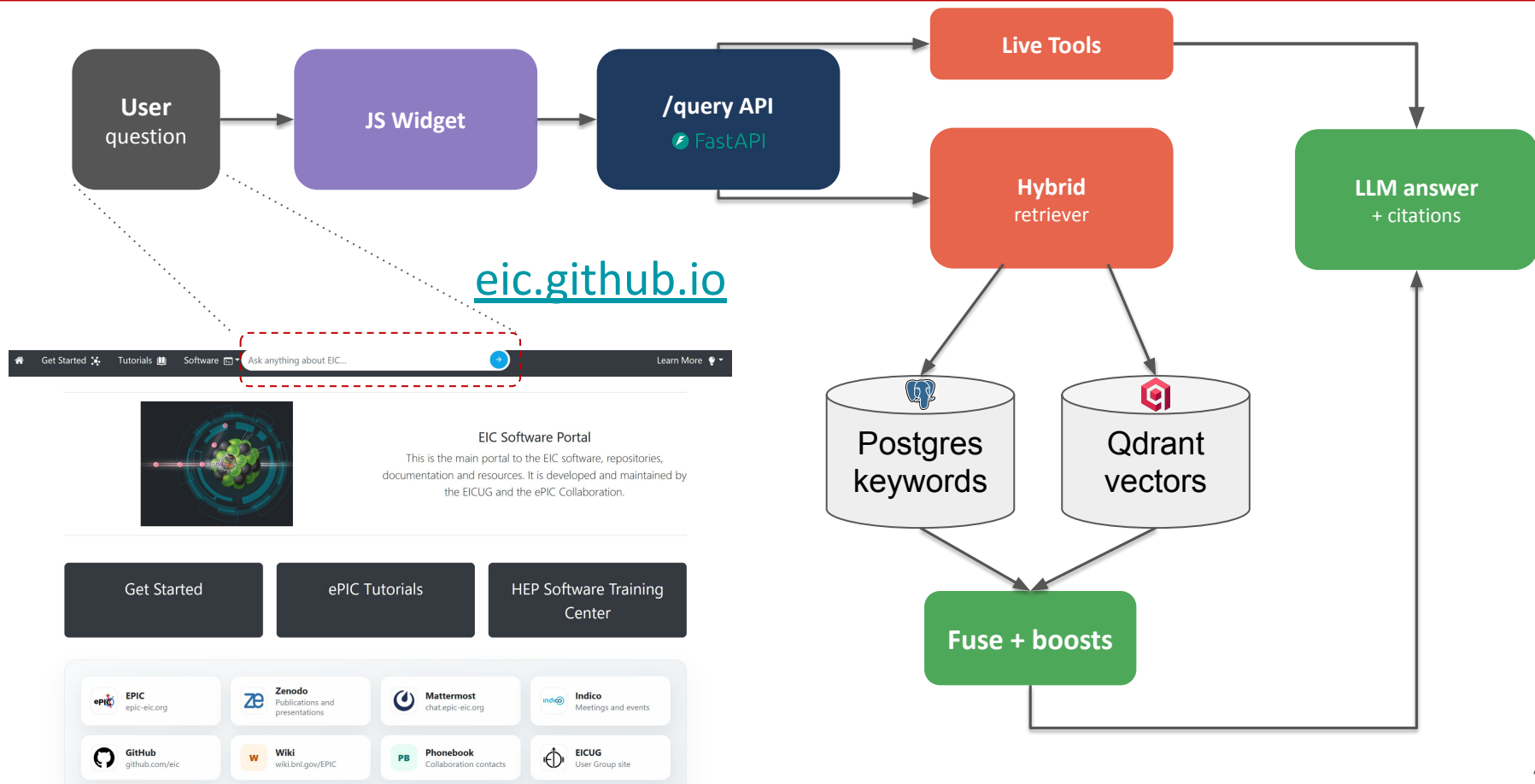
Markdown (txt)

Zenodo

PDF papers

AI for user help

the AI layer is only as good as the underlying metadata



how to run eic-shell?



To run `eic-shell`, first install it: create a work directory (e.g. `$HOME/eic`), then run the installer script:

[1]

bash

Copy

```
mkdir $HOME/eic
cd $HOME/eic
curl -L https://github.com/eic/eic-shell/raw/main/install.sh | bash
```

After installation, start the environment from that directory by running: [1]

bash

Copy

```
./eic-shell
```

When it's running you'll be dropped into the container environment (you should see a `jug_dev>` prompt). [2] If you need help/entry options, check `eic-shell --help` (and use `eic-shell --upgrade` periodically if you don't have `/cvmfs`). [3]

1

Eic-Shell

Readme — eic-shell

EIC software environment container utilities

===== Running in browser...

0.78

2

Eic Shell > The EIC Software Environment > How To Start Eic-Shell On Common Systems?

The EIC Software Environment – EIC Tutorial: Setting Up Your Environment

new file `./eic-shell` which will start the `eic-shell` environment, i.e. the EIC standard environment. `./eic-shell`
eic-shell Note: An alternative location for downloading this script is at <https://eicweb.phy.anl.gov/...>

0.92

AI
overview

Instant Source
Results
(with score)

More insights on Vector Database

Live Tools

- Author search
- Publications
- Indico/schedule search



POST /query Query

POST /ingest/run Ingest Run

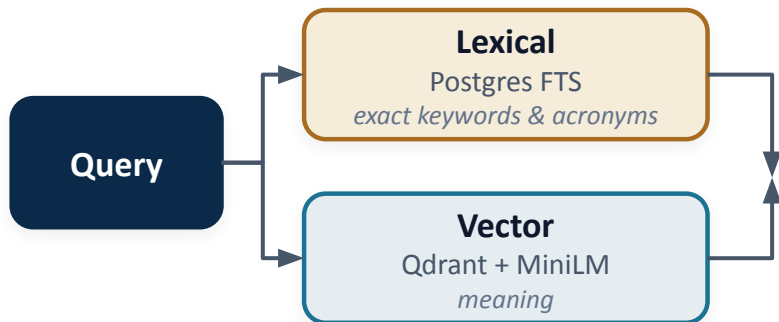
GET /sources Sources

GET /documents/{document_id} Document

More insights on Vector Database

Live Tools

- Author search
- Publications
- Indico/schedule search



POST /query Query

POST /ingest/run Ingest Run

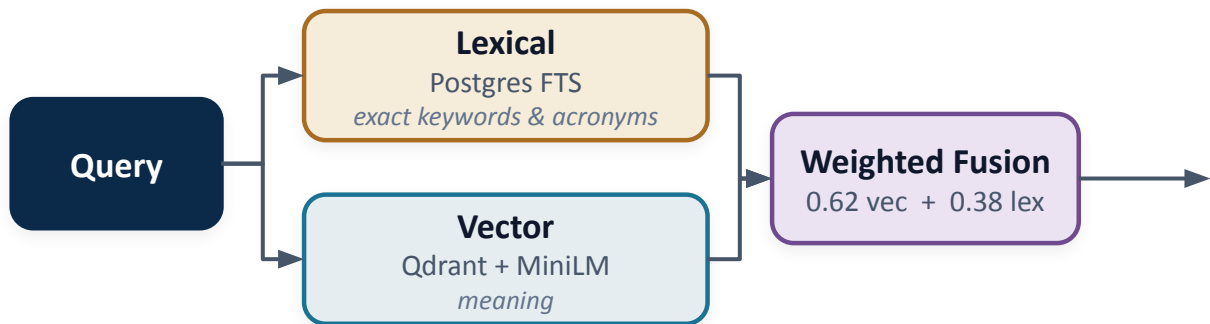
GET /sources Sources

GET /documents/{document_id} Document

More insights on Vector Database

Live Tools

- Author search
- Publications
- Indico/schedule search



POST /query Query

POST /ingest/run Ingest Run

GET /sources Sources

GET /documents/{document_id} Document

More insights on Vector Database

Live Tools

- Author search
- Publications
- Indico/schedule search

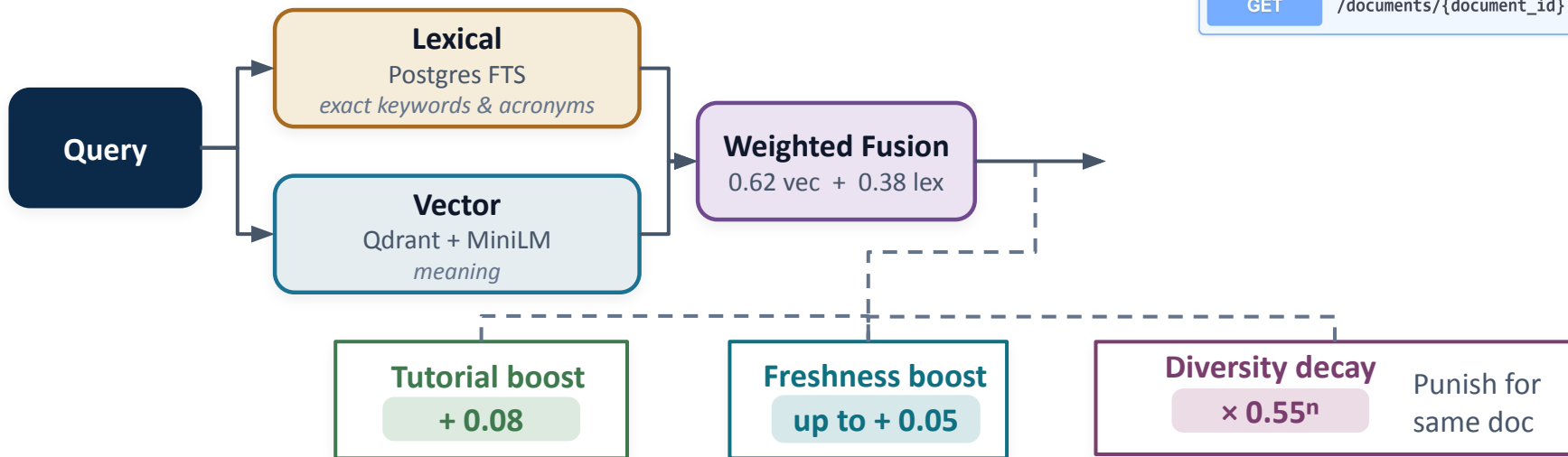


POST /query Query

POST /ingest/run Ingest Run

GET /sources Sources

GET /documents/{document_id} Document



More insights on Vector Database

Live Tools

- Author search
- Publications
- Indico/schedule search

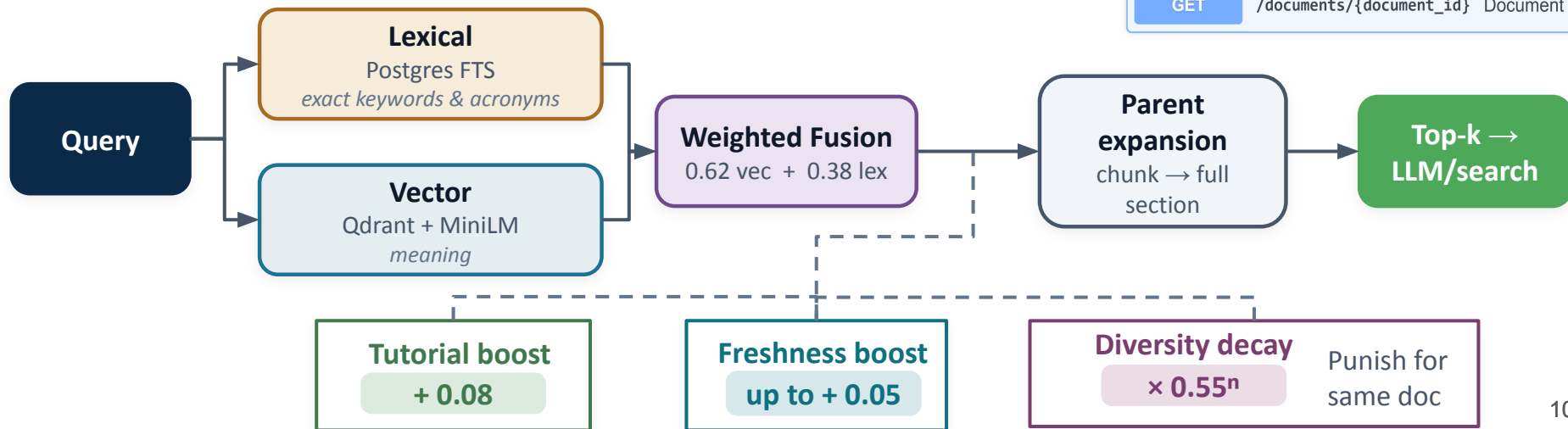


POST /query Query

POST /ingest/run Ingest Run

GET /sources Sources

GET /documents/{document_id} Document



More insights on Vector Database

Live Tools

- Author search
- Publications
- Indico/schedule search

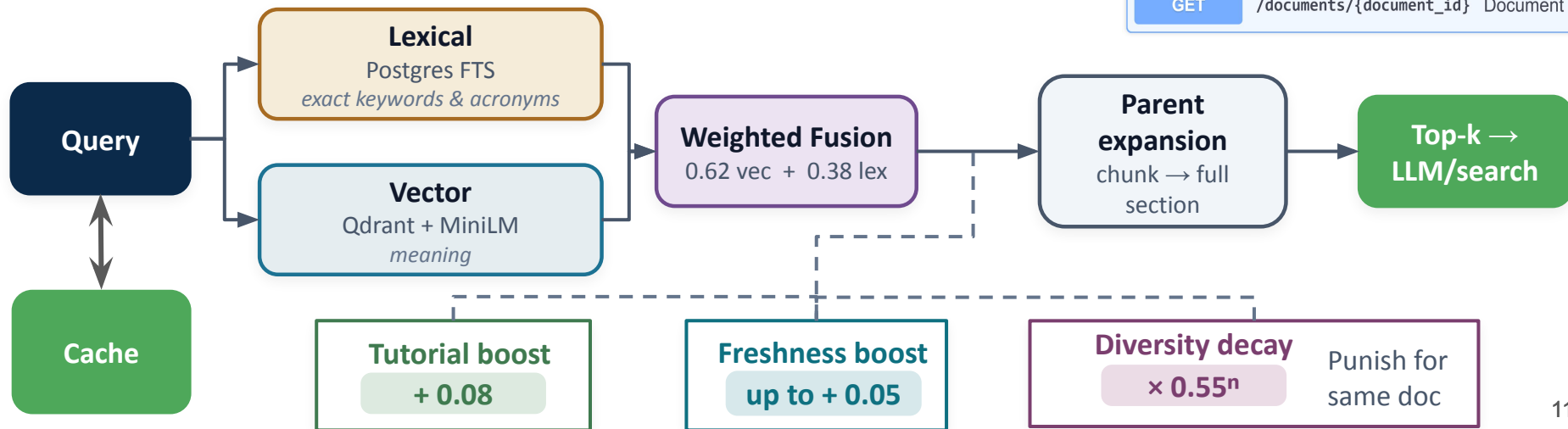


POST /query Query

POST /ingest/run Ingest Run

GET /sources Sources

GET /documents/{document_id} Document



More insights on Vector Database



- Ongoing:
- Privacy
 - Safety
 - Evaluation
 - Timing

Live Tools

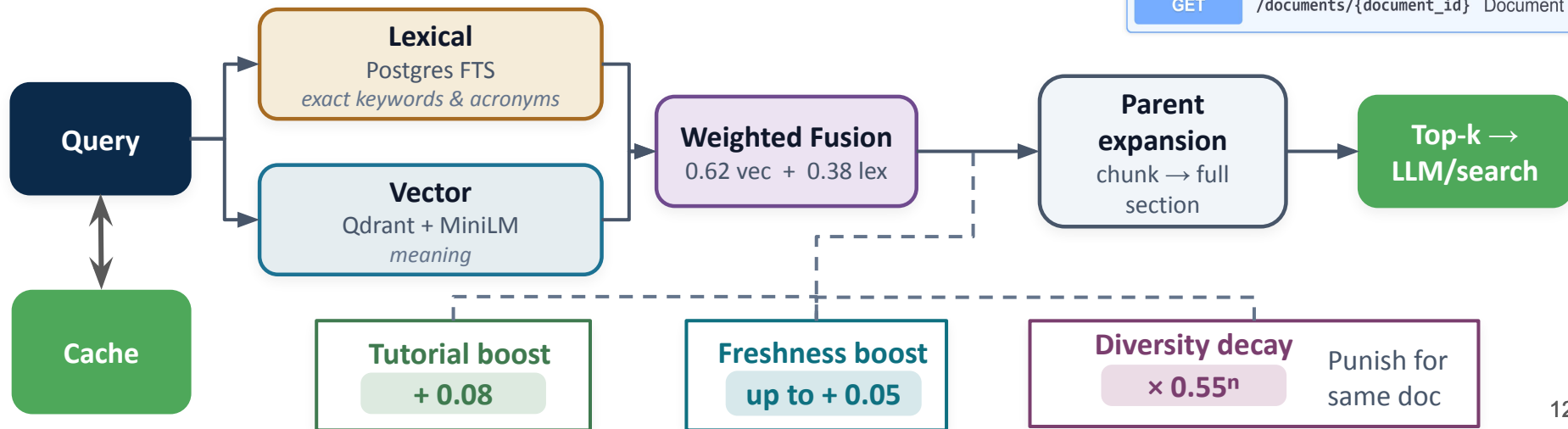
- Author search
- Publications
- Indico/schedule search

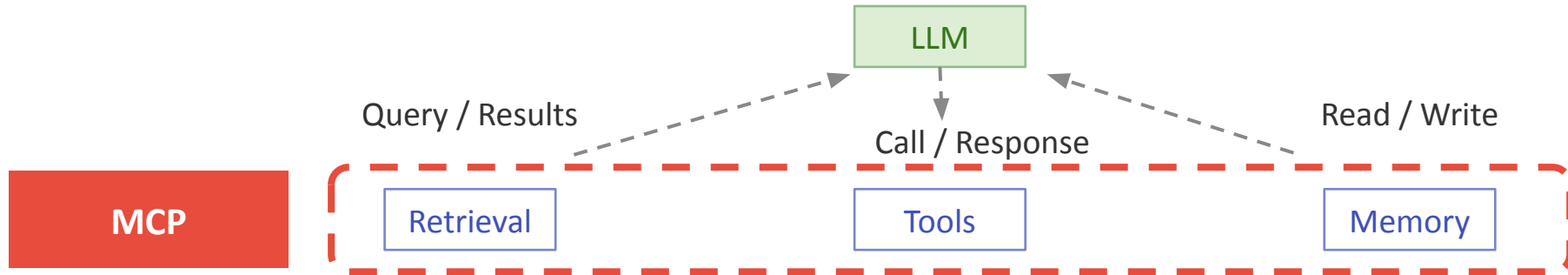
POST /query Query

POST /ingest/run Ingest Run

GET /sources Sources

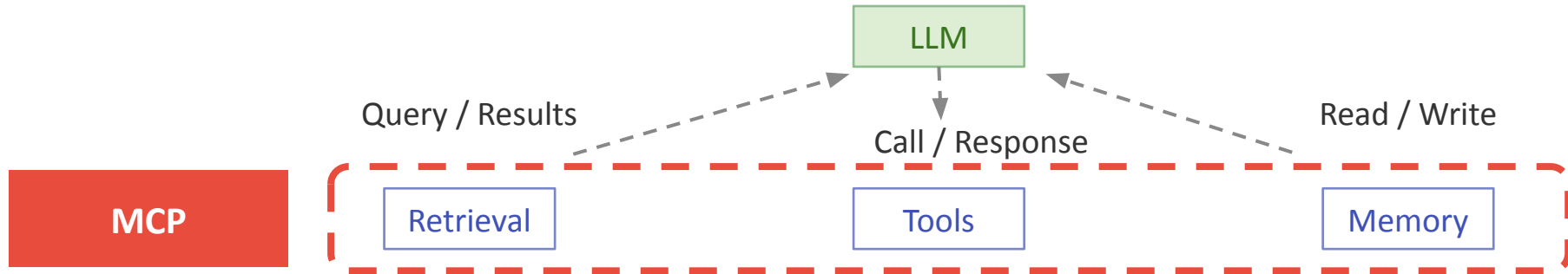
GET /documents/{document_id} Document



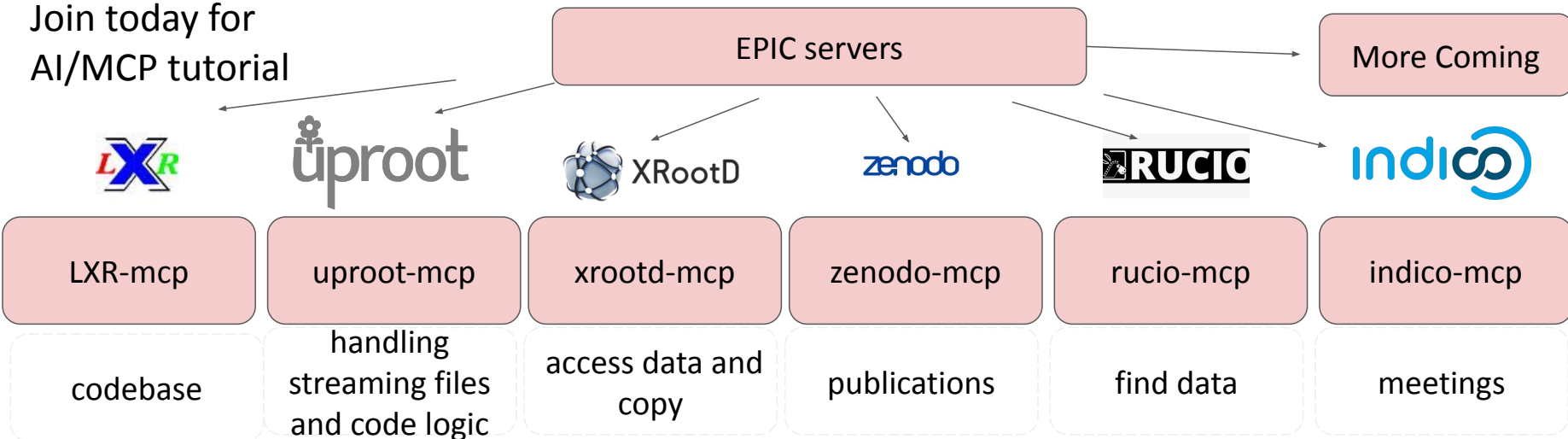


AI for user help - MCP tools and hosted LLMs

USB-C of LLM world



Join today for
AI/MCP tutorial



Thank you for your attention

Stop searching. Start finding :)

Use AI as not a black box but a useful tool