

ONE DATA



INDIGO - DataCloud
Better Software for Better Science

Implementation of Open Data at Global Scale in Low-Trust Environment

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OUTLINE

- ❖ OPEN DATA
- ❖ OPEN DATA IN ONEDATA
- ❖ LACK OF TRUST
- ❖ APPLICABILITY

OPEN DATA

- ❖ SHARE
- ❖ EXPLORE
- ❖ CONTRIBUTE

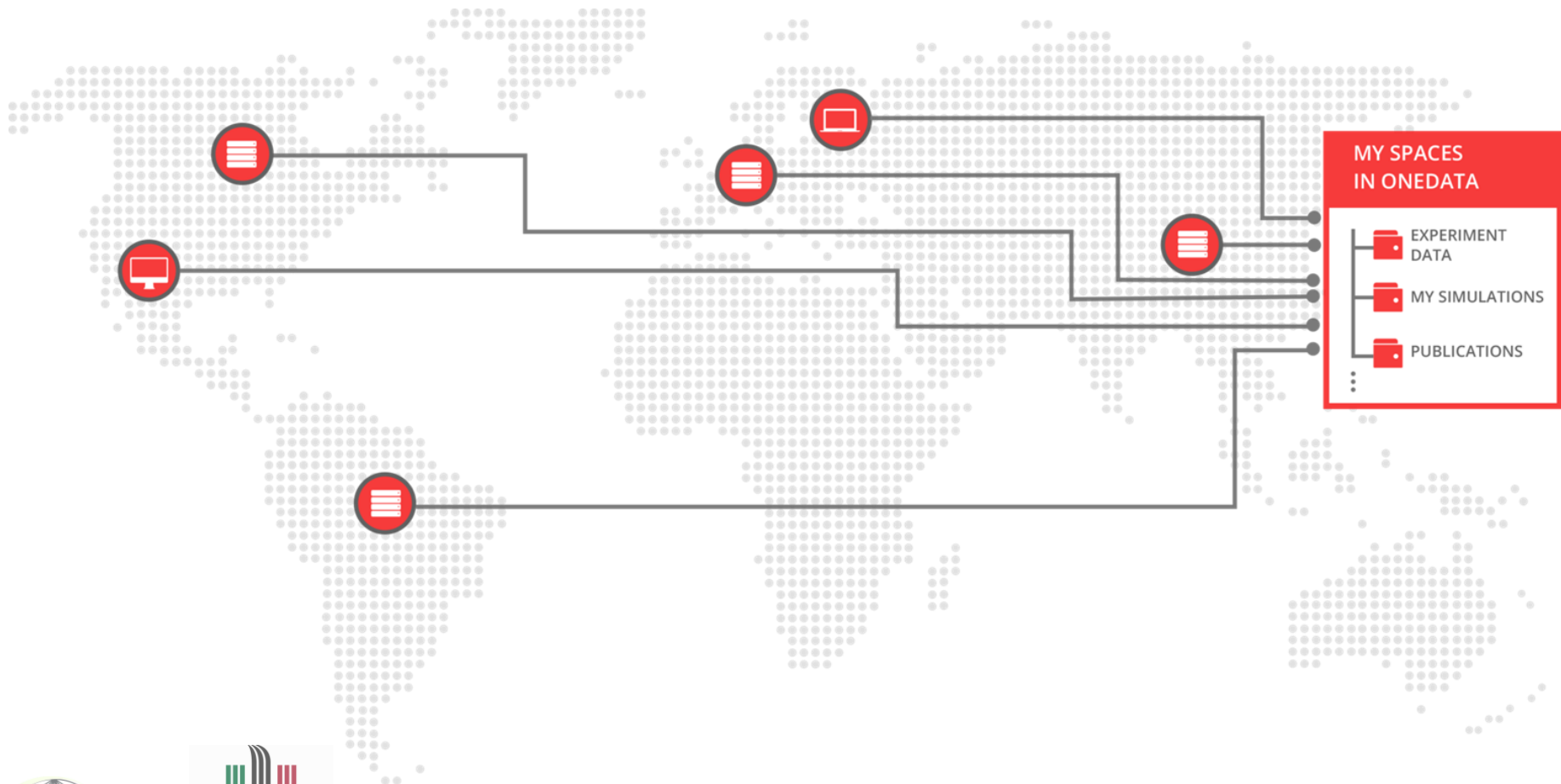
Open data solutions

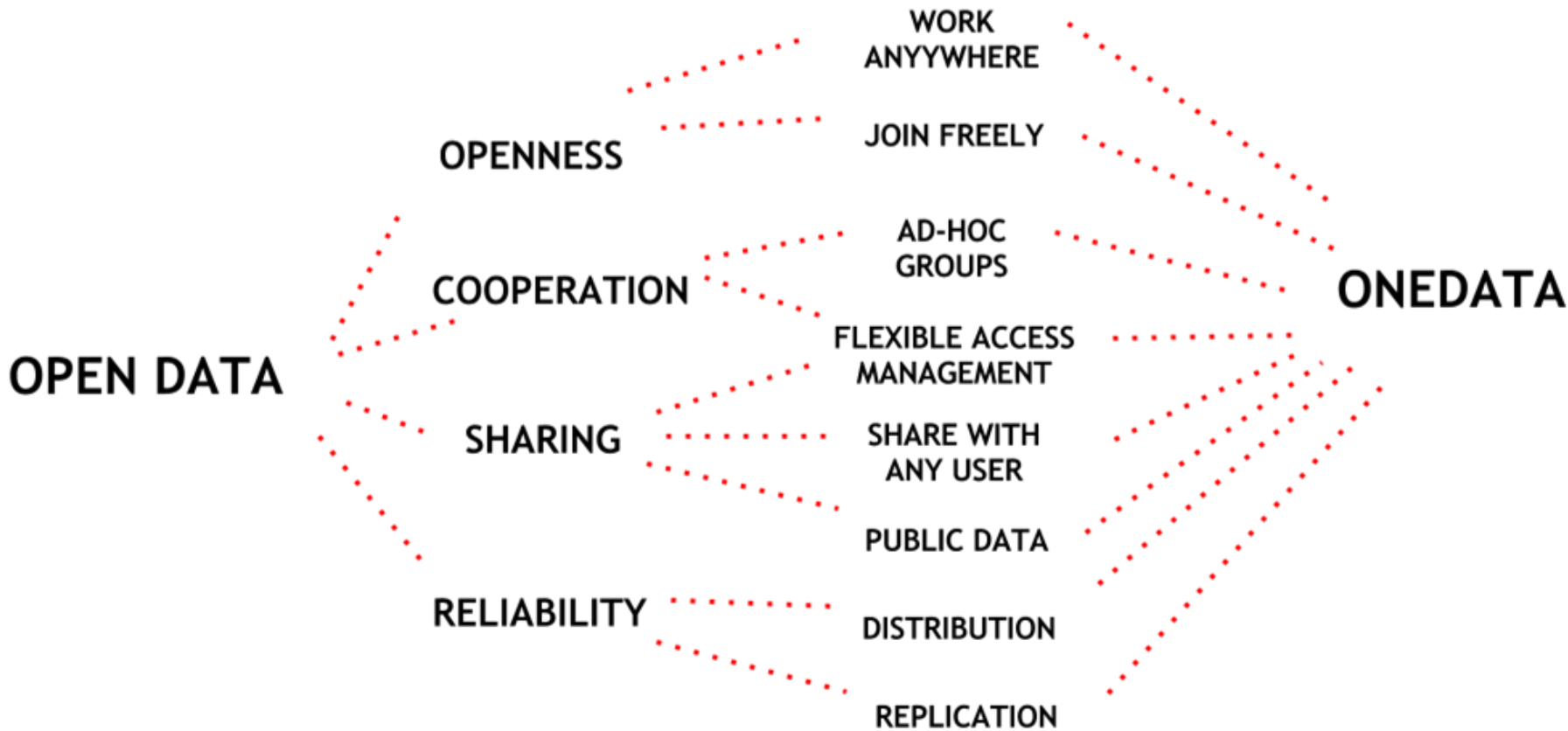


- ❖ commercial solutions
- ❖ private hosting
- ❖ not integrated HPC resources
- ❖ P2P networks

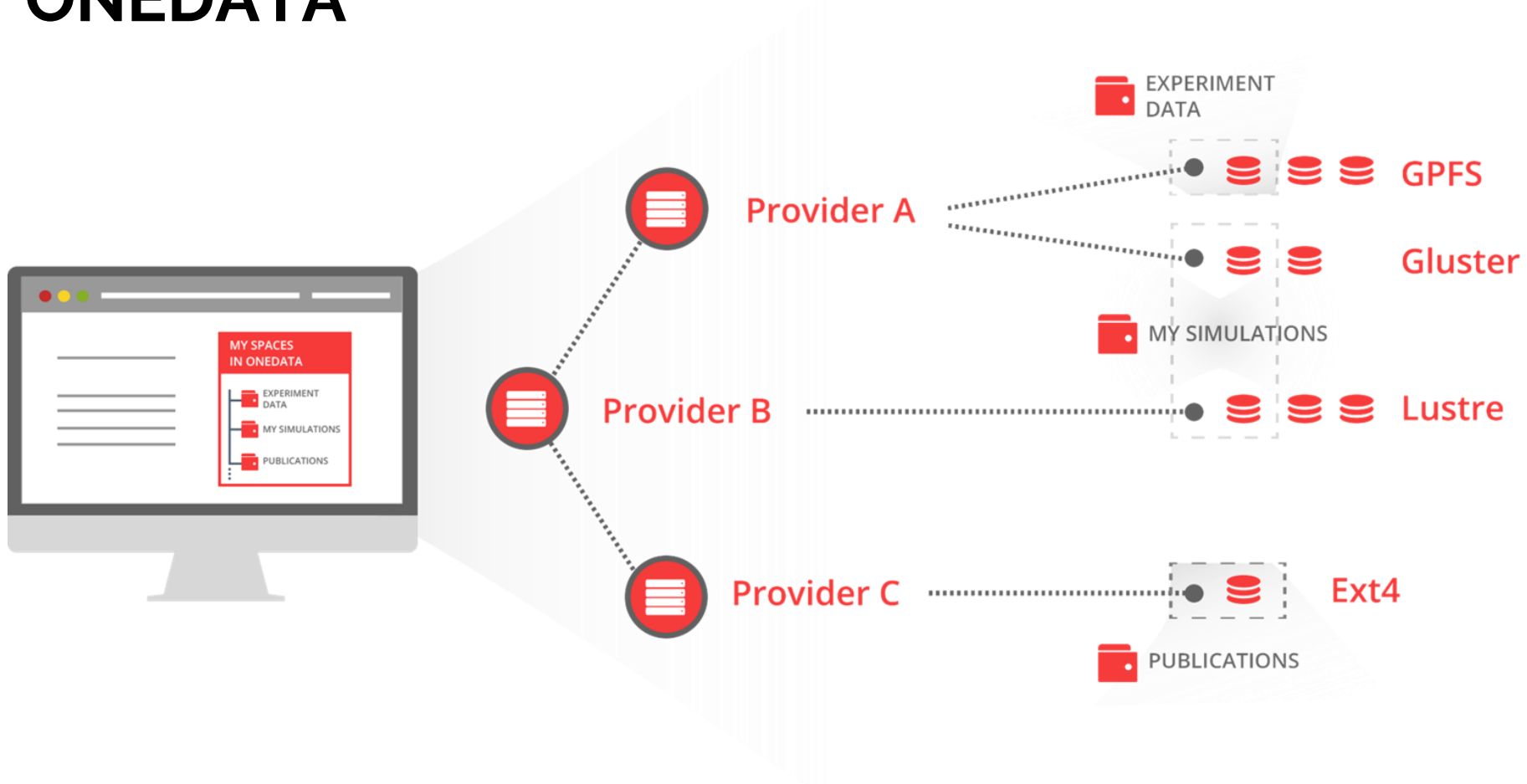
ONEDATA

GLOBAL DATA STORAGE SOLUTION FOR SCIENCE

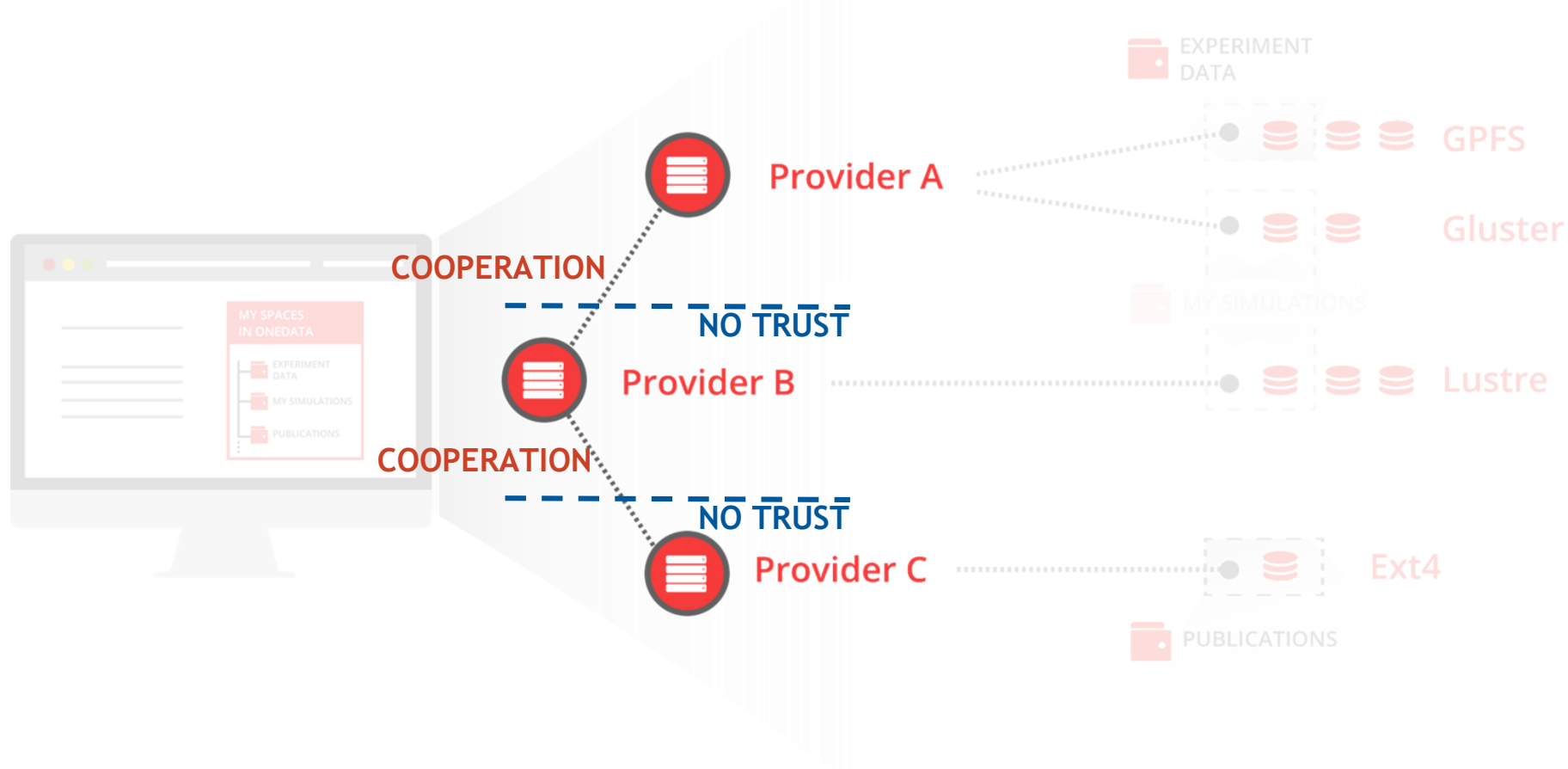




ONEDATA



COOPERATION IN ONEDATA



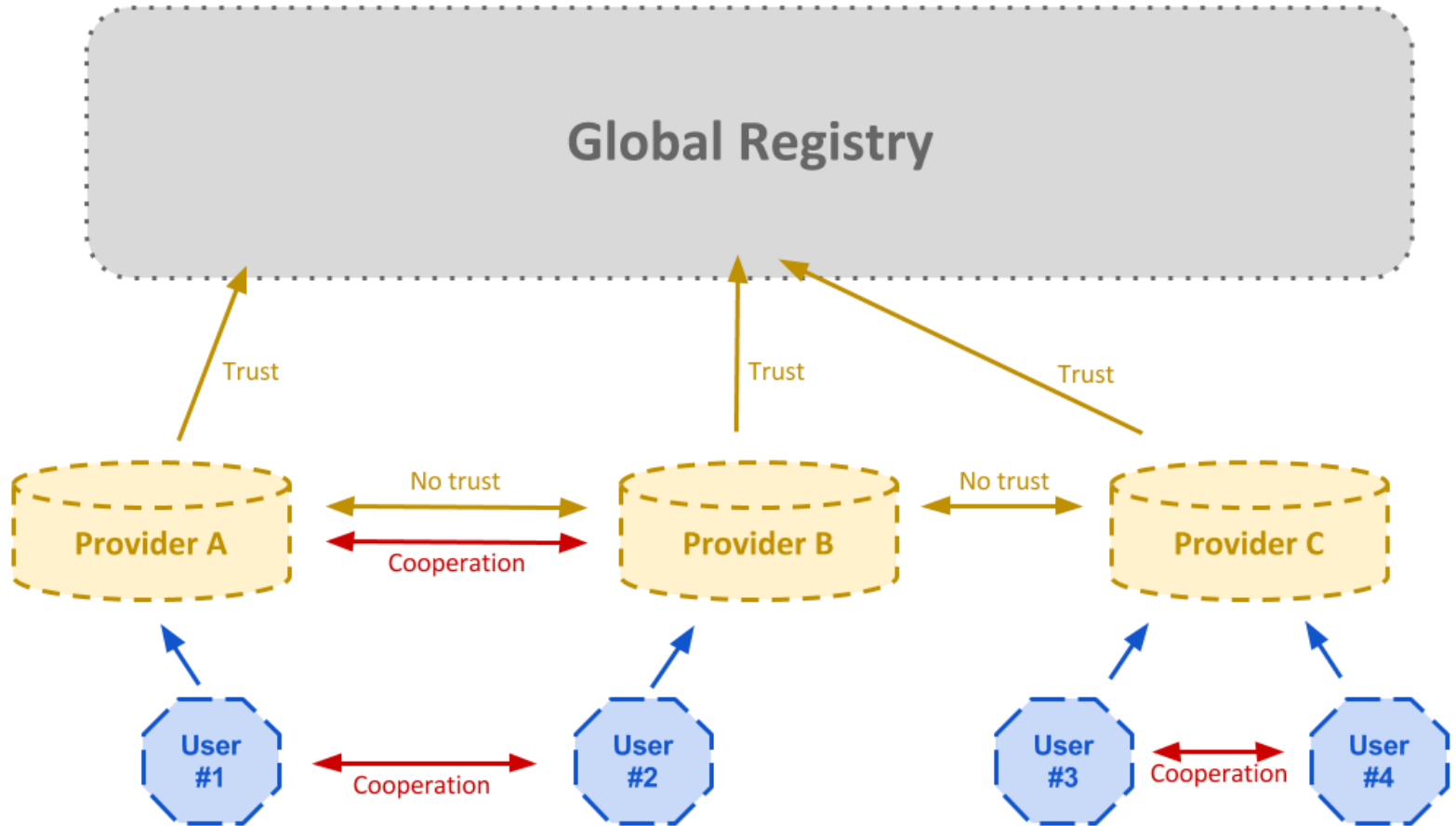
HOW TO PROTECT DATA

❖ Metadata

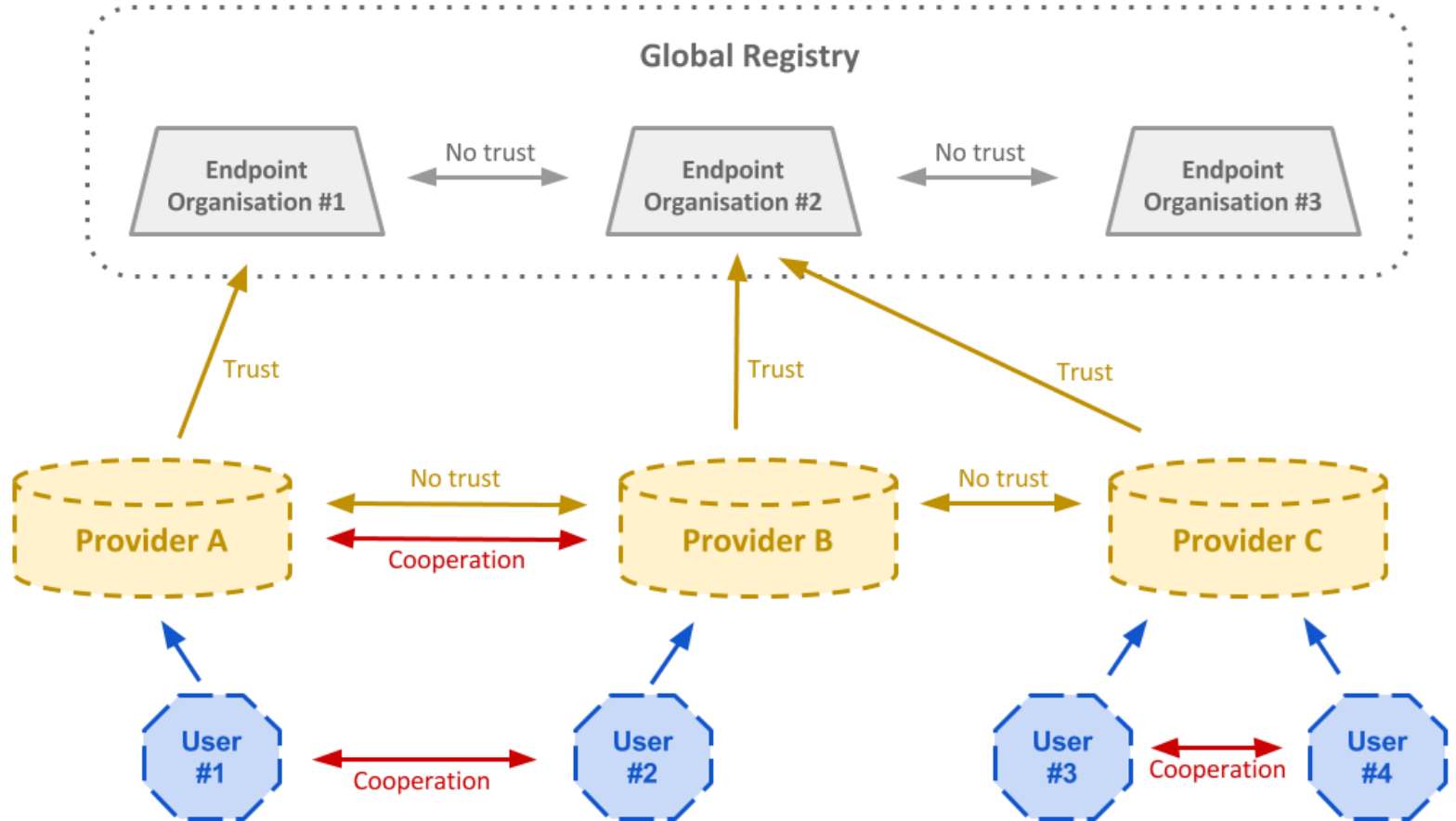
- File metadata
- User description
- Cooperation metadata

❖ Advanced authentication & authorisation

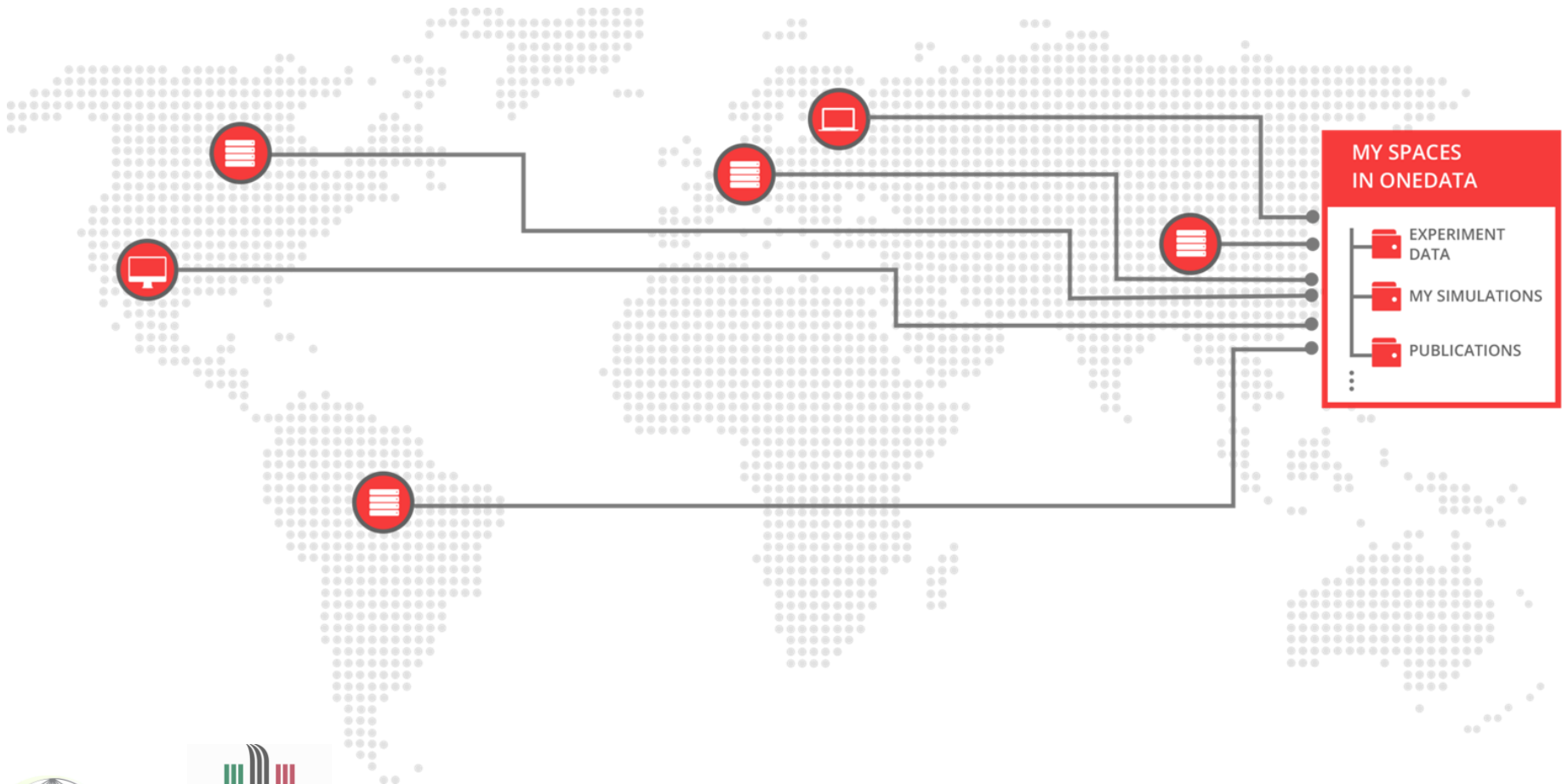
TRUST IN ONEDATA



TRUST IN ONEDATA



WITHOUT TRUST MEANS EVERYWHERE



TRUE OPEN DATA WITH ONEDATA

- ❖ No trust required
- ❖ Anytime/anyplace data access
- ❖ Advanced sharing and cooperation
- ❖ HPC feasible
- ❖ Better than alternatives

Results & Conclusions

- ❖ Open Data feasible
- ❖ Onedata deployed on PLGrid infrastructure
- ❖ efficient & open

onedata.org

Q&A