Library integration and AAIproxy
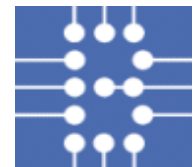
Consortium of Swiss Academic Libraries

A program by the Swiss government to provide appropriate electronic information resources at Swiss universities
2000-2003

ETH-Bibliothek
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Licensed Products

- ~80 databases
  (~25 under ERL WebSPIRS hosted at ETHZ)

- >5000 e-Journals from 13 publishers

- many different license packages

Libraries within Swiss Consortium

- 10 universities + 2 ETH
- EAWAG, EMPA, PSI, WSL
- 7 universities of applied sciences (with ~100 branches)
- SNL
- 10 secondary partners (CERN, ISREC, SIKART; FAL, FAM, FAT, FAW, RAC, RAP)
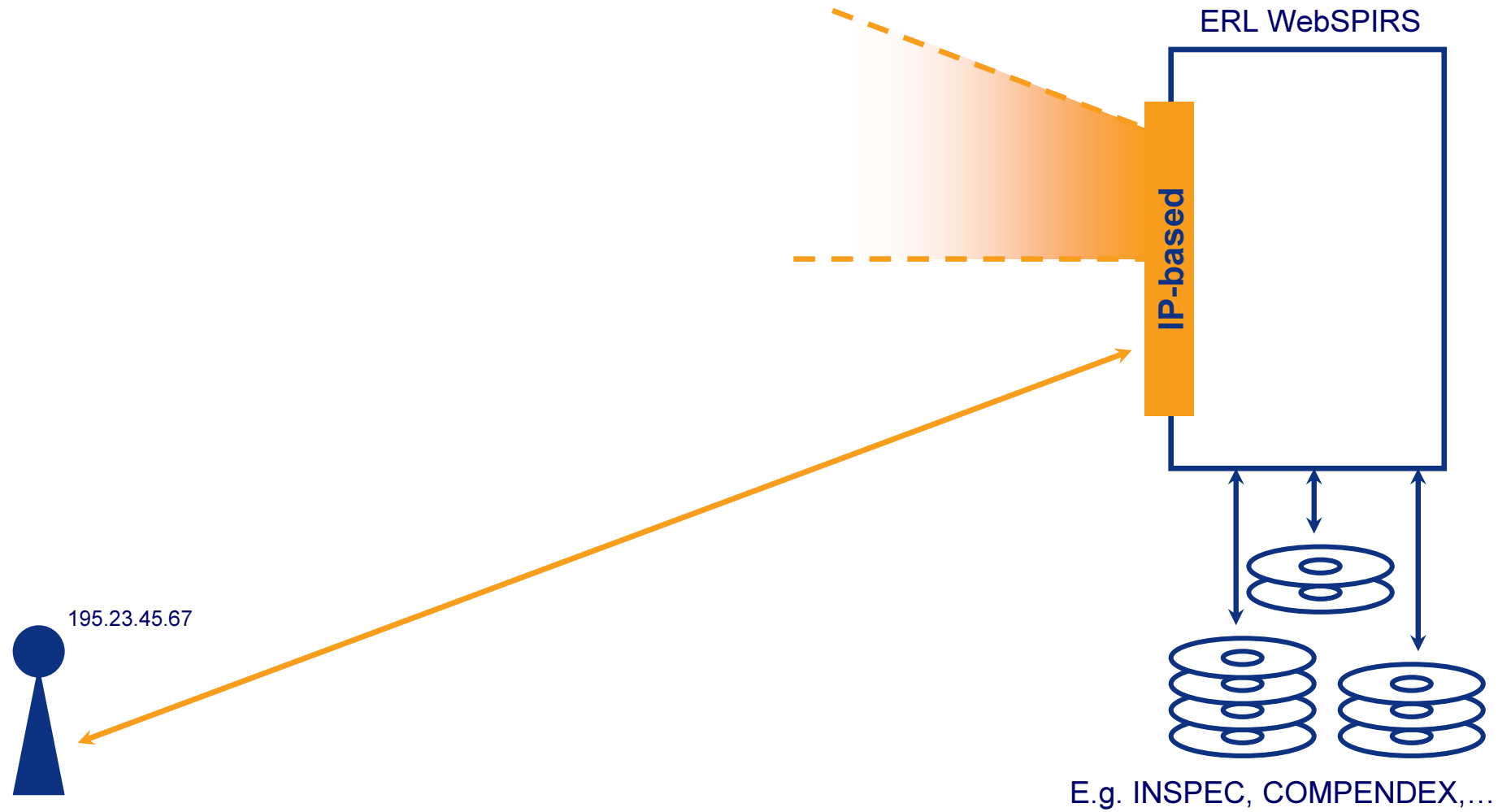
IP-based access to resources

- ~200 different IP ranges
- group userid/passwd hidden from users
- many special cases
- many changes during the year
- IP checking instead of DNS inflexible
- very inappropriate structures in some cases
- IP/DNS not reflecting true affiliation
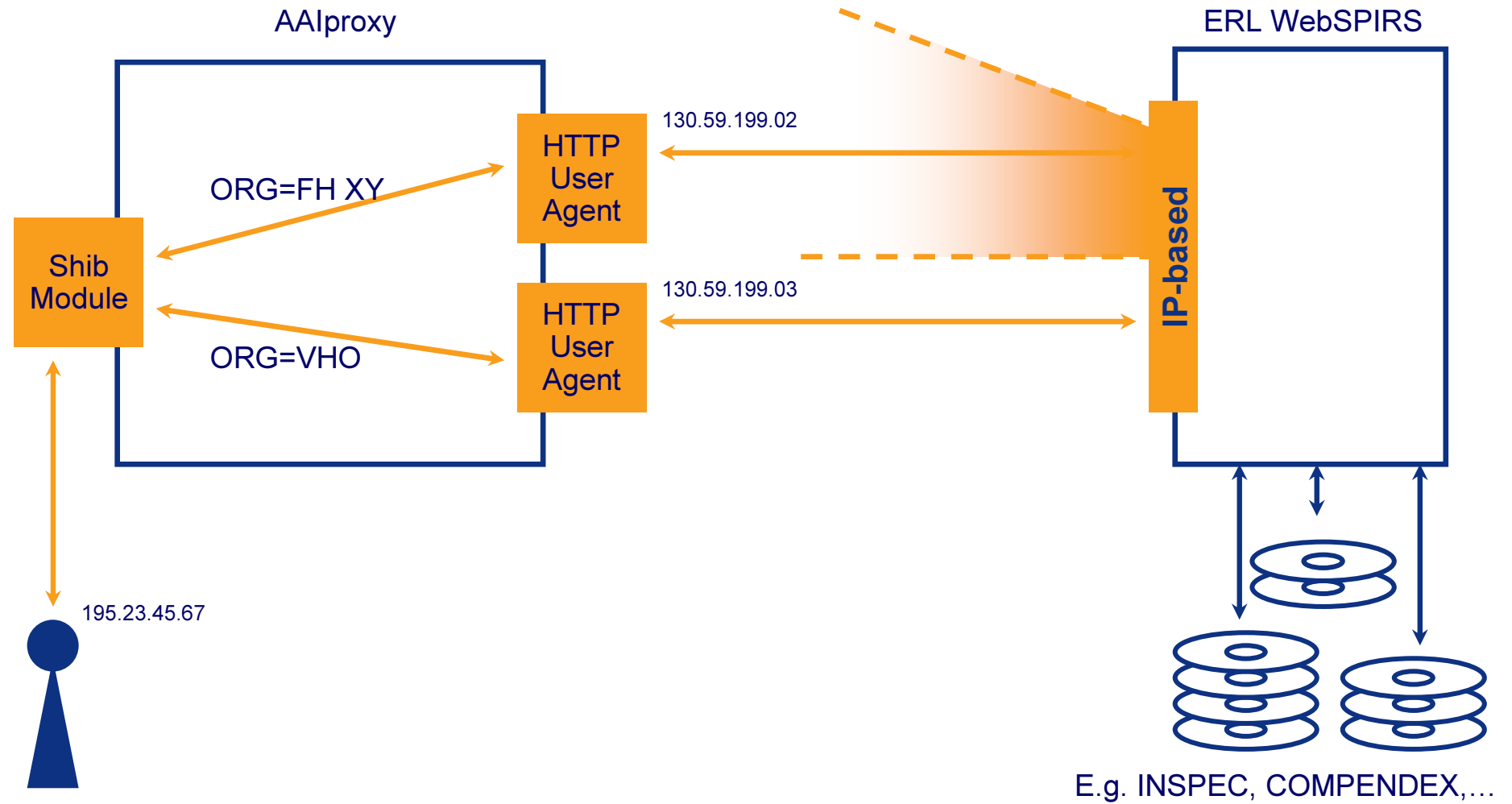- some almost unsolvable cases

www gateways as black boxes

- different solutions for every publisher

- no chance to integrate AAI if hosted outside

- many technical restrictions

- ERL WebSPIRS impossible to Shibbolize
(no Apache, ...)

ERL, so far

ERL WebSPIRS
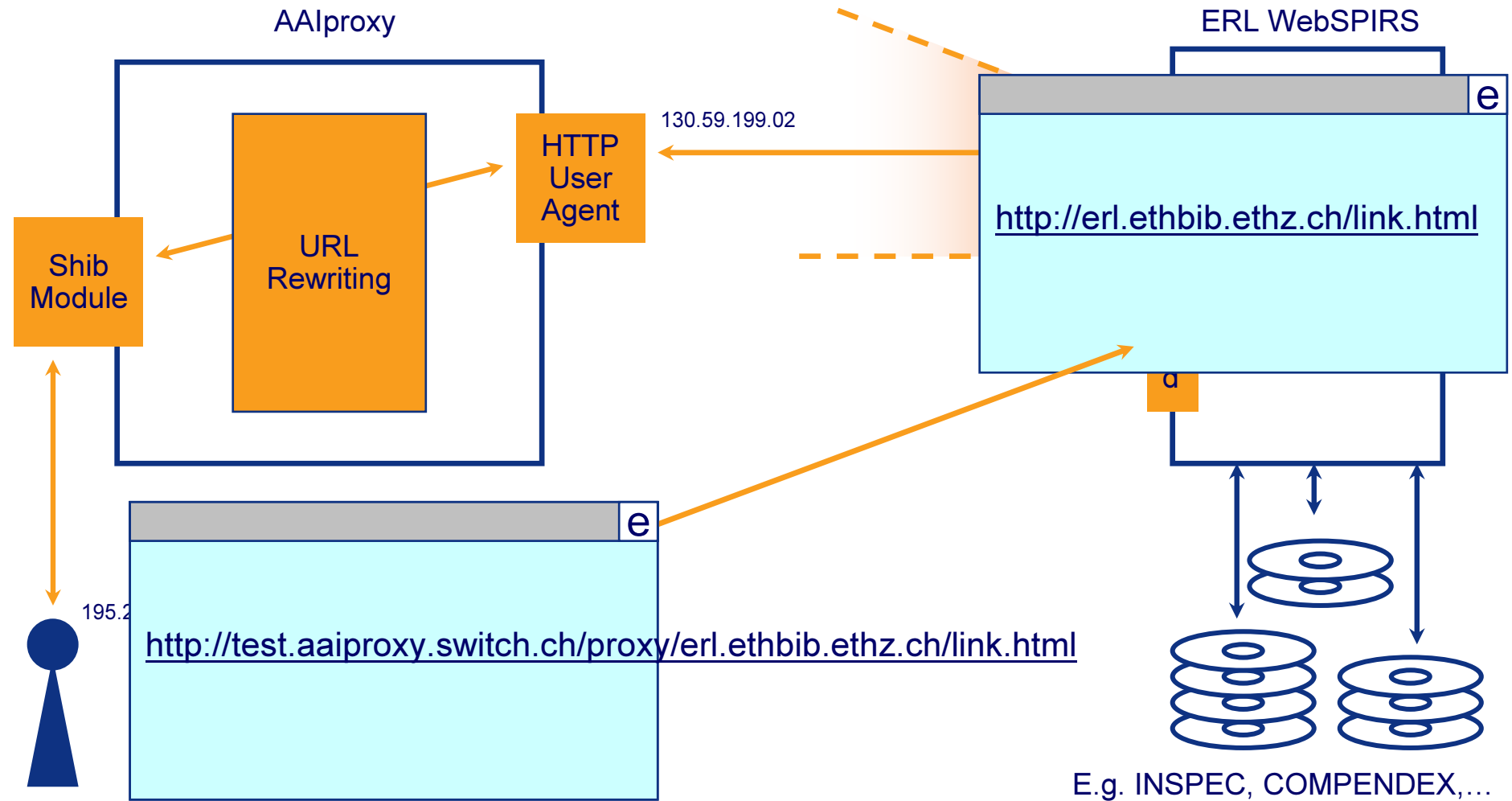
IP-based

195.23.45.67

E.g. INSPEC, COMPENDEX,…

ERL, with AAIproxy

AAIproxy

ERL WebSPIRS

Shib Module

ORG=FH XY

ORG=VHO

HTTP User Agent

130.59.199.02

HTTP User Agent

130.59.199.03

IP-based

195.23.45.67

E.g. INSPEC, COMPENDEX,…

URL-Rewriting

AAIproxy

ERL WebSPIRS

Shib Module

URL Rewriting

HTTP User Agent

130.59.199.02

e

http://erl.ethbib.ethz.ch/link.html

a

195.2

e

http://test.aaiproxy.switch.ch/proxy/erl.ethbib.ethz.ch/link.html

E.g. INSPEC, COMPENDEX,…

e-Academia / AAI: Pilot Phase

Status and next steps

- AAIproxy at ETH-Bibliothek in 2004 Q1
- communication of „trusted" IP/DNS to publishers:
- 130.59.99.26 fh.test.aaiproxy.switch.ch
- 130.59.99.27 rap.admin.test.aaiproxy.switch.ch
- activities of Shibboleth/Internet2 with large content providers to integrate AAI