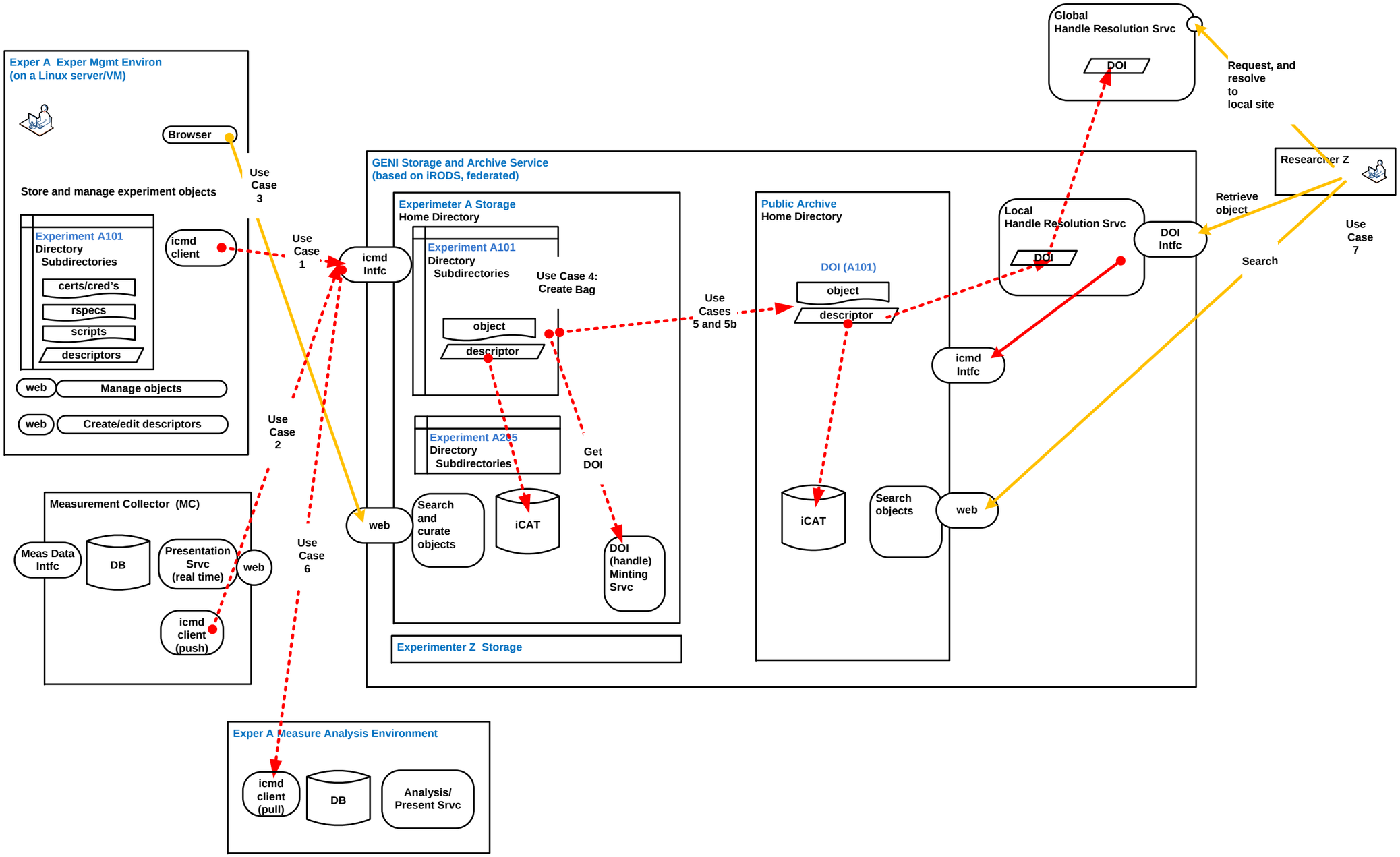
Exper A Exper Mgmt Environ
(on a Linux server/VM)
Browser
Store and manage experiment objects
Experiment A101
Directory
Subdirectories
certs/cred's
rspecs
scripts
descriptors
icmd client
web
Manage objects
web
Create/edit descriptors
Use Case 1
Use Case 2
Use Case 3
Use Case 6
Measurement Collector (MC)
Meas Data Intfc
DB
Presentation Srvc (real time)
web
icmd client (push)
Exper A Measure Analysis Environment
icmd client (pull)
DB
Analysis/ Present Srvc
GENI Storage and Archive Service
(based on iRODS, federated)
Experimeter A Storage
Home Directory
Experiment A101
Directory
Subdirectories
object
descriptor
Use Case 4: Create Bag
Experiment A205
Directory
Subdirectories
Search and curate objects
iCAT
Get DOI
DOI (handle) Minting Srvc
icmd Intfc
web
Experimenter Z Storage
Use Cases 5 and 5b
Public Archive
Home Directory
DOI (A101)
object
descriptor
iCAT
Search objects
web
icmd Intfc
Global
Handle Resolution Srvc
DOI
Local
Handle Resolution Srvc
DOI
DOI Intfc
Request, and resolve to local site
Researcher Z
Retrieve object
Search
Use Case 7