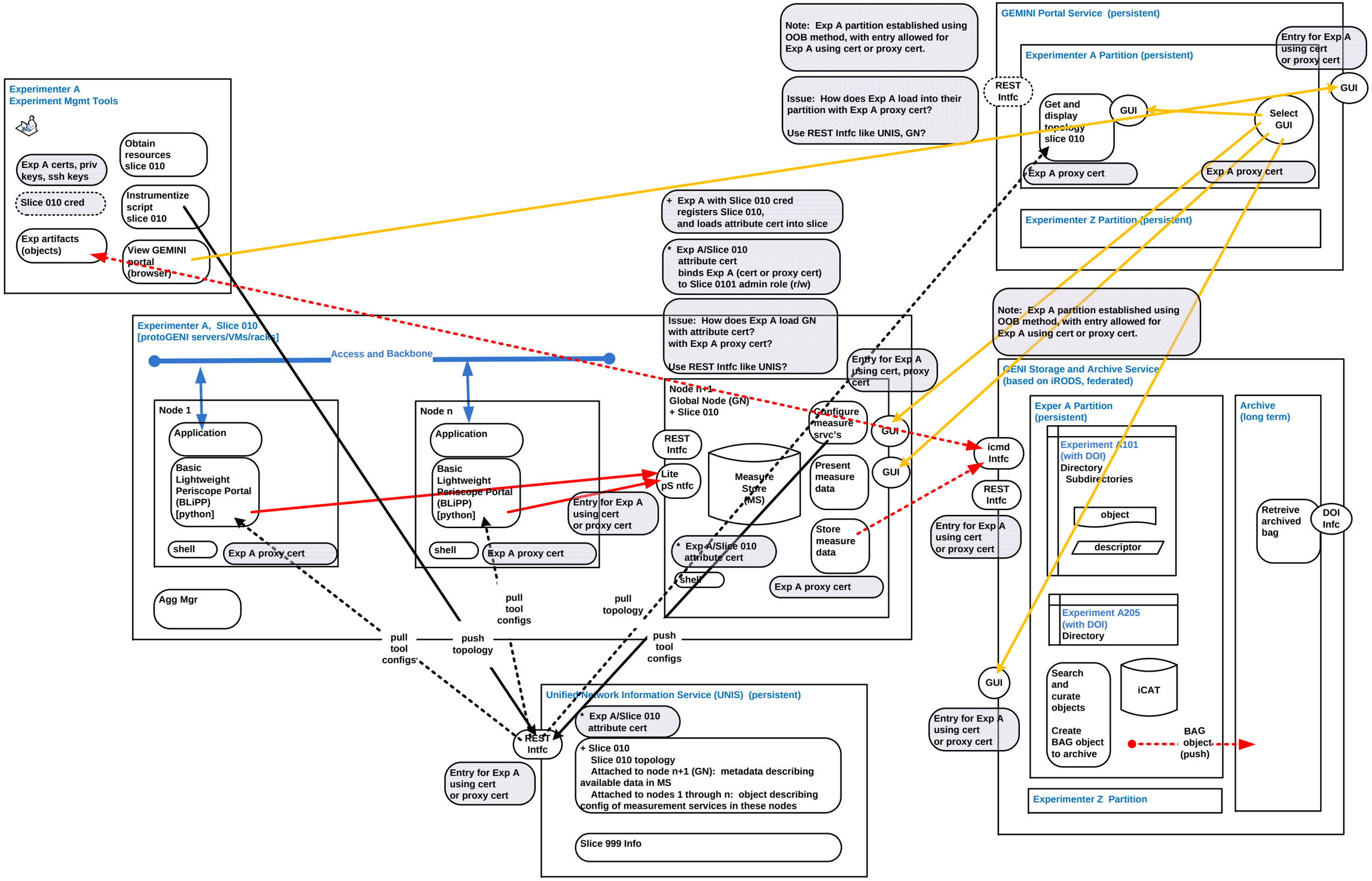
Experimenter A
Experiment Mgmt Tools
Exp A certs, priv keys, ssh keys
Slice 010 cred
Exp artifacts (objects)
Obtain resources slice 010
Instrumentize script slice 010
View GEMINI portal (browser)
Note: Exp A partition established using OOB method, with entry allowed for Exp A using cert or proxy cert.
Issue: How does Exp A load into their partition with Exp A proxy cert?
Use REST Intfc like UNIS, GN?
GEMINI Portal Service (persistent)
Entry for Exp A using cert or proxy cert
Experimenter A Partition (persistent)
REST Intfc
Get and display topology slice 010
GUI
Select GUI
GUI
Exp A proxy cert
Exp A proxy cert
Experimenter Z Partition (persistent)
+ Exp A with Slice 010 cred registers Slice 010, and loads attribute cert into slice
* Exp A/Slice 010 attribute cert binds Exp A (cert or proxy cert) to Slice 0101 admin role (r/w)
Issue: How does Exp A load GN with attribute cert? with Exp A proxy cert?
Use REST Intfc like UNIS?
Note: Exp A partition established using OOB method, with entry allowed for Exp A using cert or proxy cert.
Experimenter A, Slice 010 [protoGENI servers/VMs/racks]
Access and Backbone
Node 1
Application
Basic Lightweight Periscope Portal (BLiPP) [python]
shell
Exp A proxy cert
Node n
Application
Basic Lightweight Periscope Portal (BLiPP) [python]
shell
Exp A proxy cert
Agg Mgr
Node n+1 Global Node (GN) + Slice 010
Entry for Exp A using cert, proxy cert
Configure measure srvc's
GUI
REST Intfc
Lite pS ntfc
Measure Store (MS)
Present measure data
GUI
Store measure data
* Exp A/Slice 010 attribute cert
shell
Exp A proxy cert
Entry for Exp A using cert or proxy cert
GENI Storage and Archive Service (based on iRODS, federated)
Exper A Partition (persistent)
Archive (long term)
icmd Intfc
REST Intfc
Entry for Exp A using cert or proxy cert
Experiment A101 (with DOI) Directory Subdirectories
object
descriptor
Retreive archived bag
DOI Infc
Experiment A205 (with DOI) Directory
Search and curate objects
Create BAG object to archive
iCAT
BAG object (push)
GUI
Entry for Exp A using cert or proxy cert
Experimenter Z Partition
pull tool configs
push topology
pull tool configs
pull topology
push tool configs
Unified Network Information Service (UNIS) (persistent)
REST Intfc
* Exp A/Slice 010 attribute cert
+ Slice 010
Slice 010 topology
Attached to node n+1 (GN): metadata describing available data in MS
Attached to nodes 1 through n: object describing config of measurement services in these nodes
Slice 999 Info
Entry for Exp A using cert or proxy cert