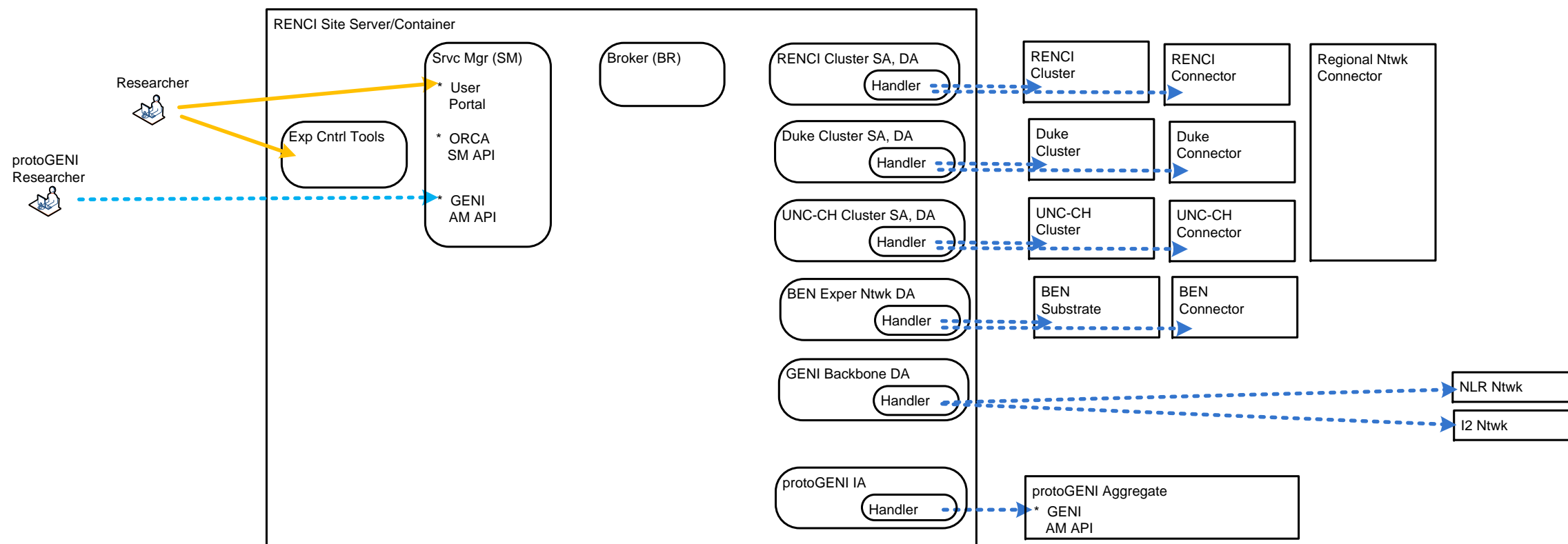


Cluster D experiments for Spiral 3:

* Programmable Packet Networks over Dynamic Circuit Substrate (Jeff Chase, Xiaowei Yang)

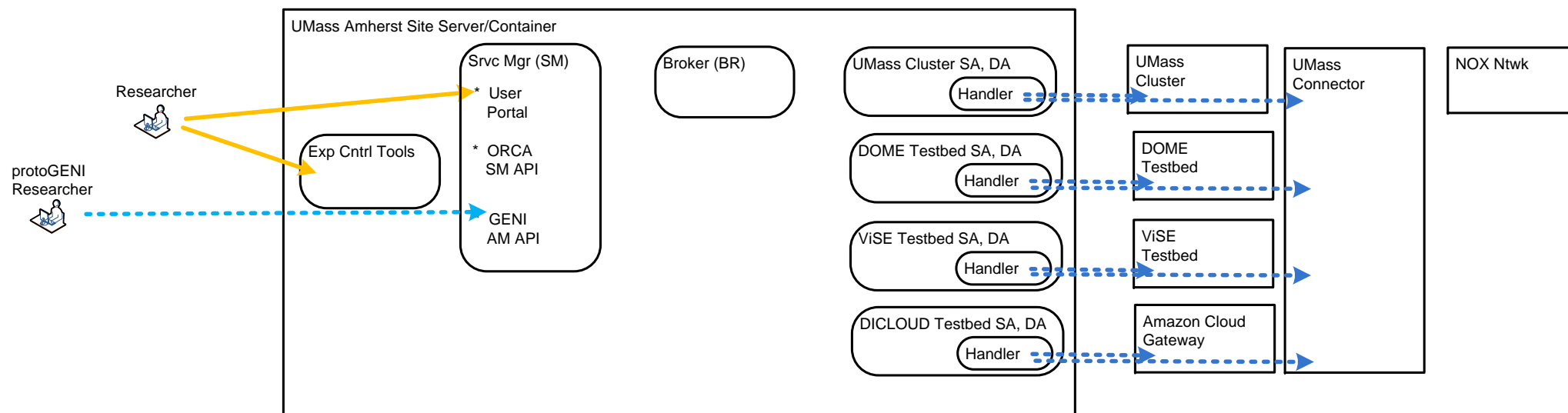
* Optical-layer experiments (?)



Cluster D experiments for Spiral 3:

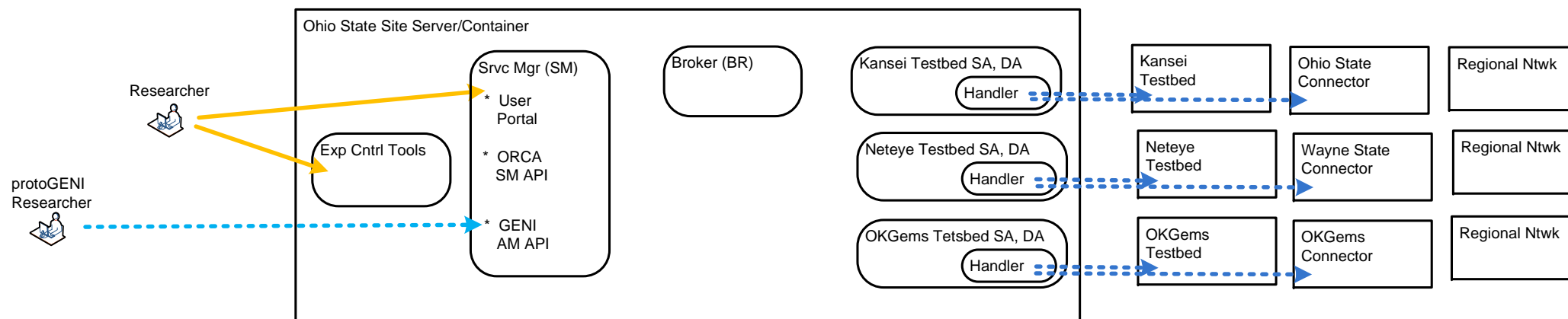
* Misc DOME experiments

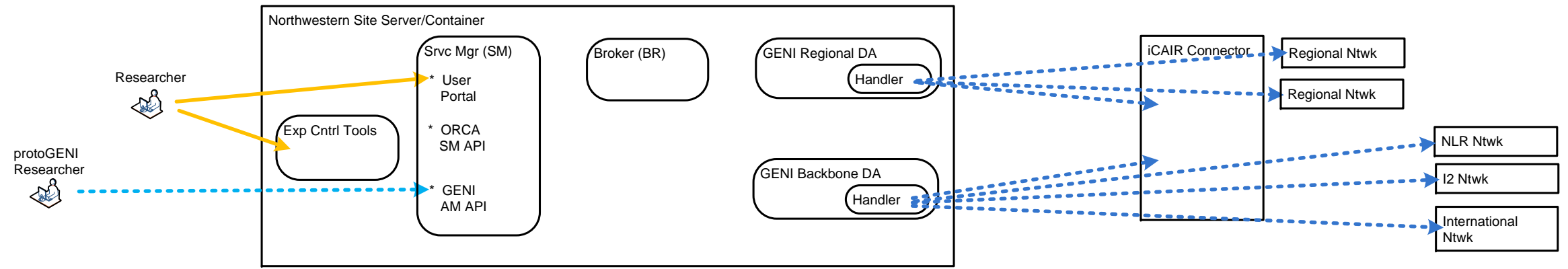
* Nowcasting, using weather data from ViSE radar (Michael Zink, David Irwin)



Cluster D experiments for Spiral 3:

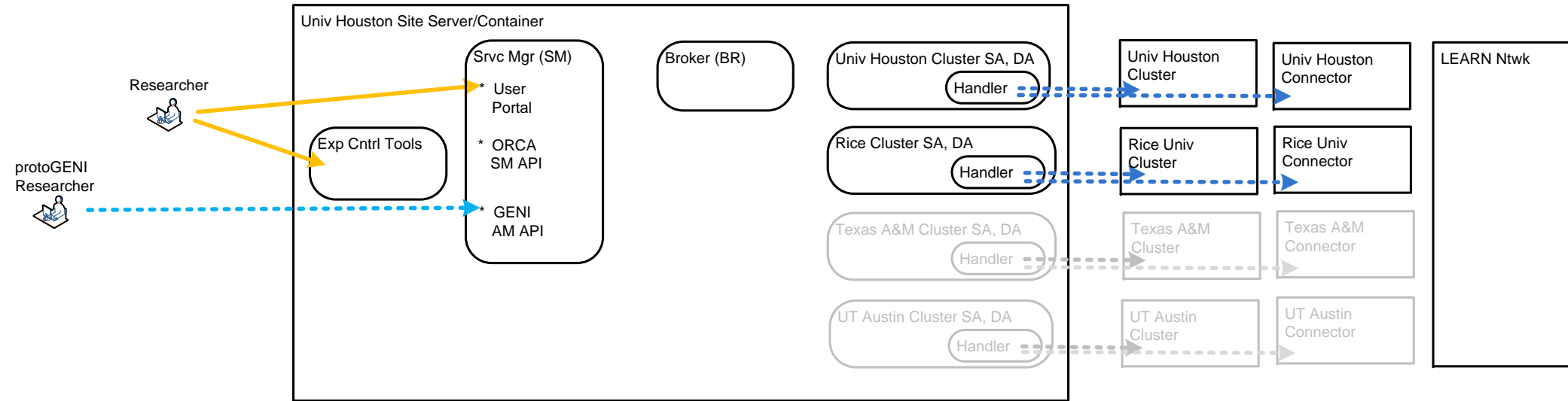
* Misc sensor network experiments





Cluster D experiments for Spiral 3:

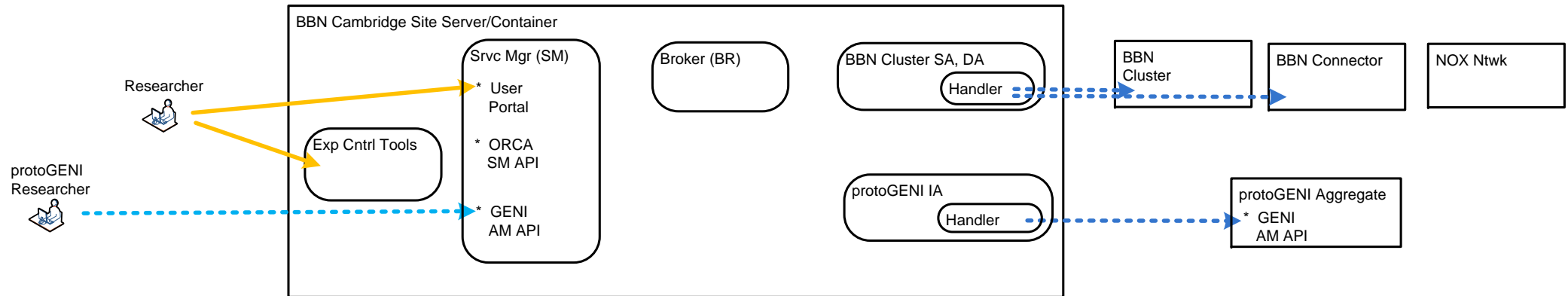
* Prove in setup, testign and maintenance of connectivity to campuses, via regional networks











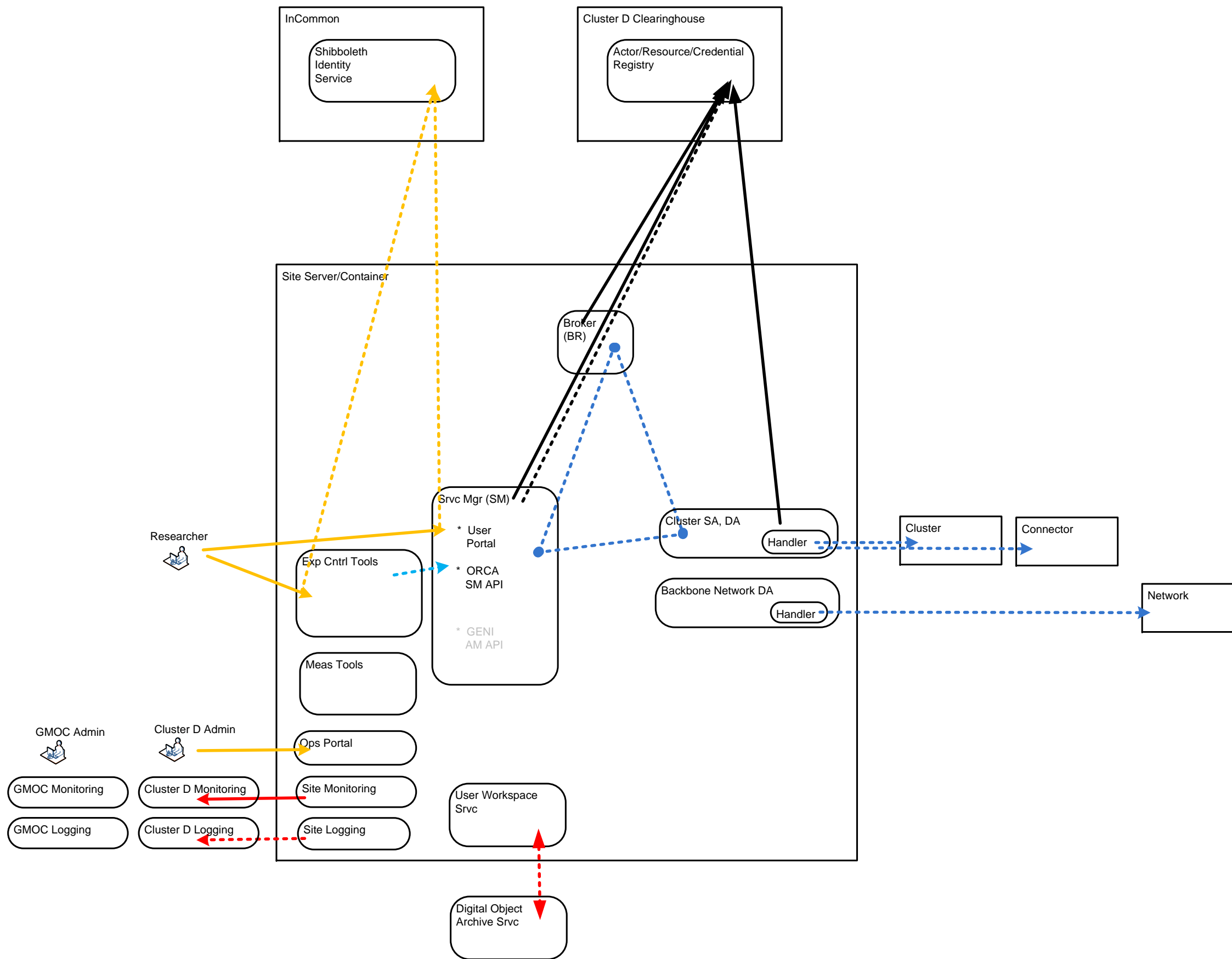
Cluster D experiments for Spiral 3:

* Evaluate Cluster D site setup and operation

* Interoperability testing with protoGENI using GENI API



-  **Register Actor/Resource**
Each actor registers its contact and resources with clearinghouse
-  **Discover Actor/Resource**
Any service and query registry to find available actors plus their contacts and resources
-  **Conducts Experiment**
Researcher uses browser to interact with and observe services via web portals
-  **Discover Resources and Assign Slivers**
EC svc uses CF to discover resources, and then assign slivers to slice/researcher for I&M svc's
-  **Configure and Program Slivers**
EC svc uses CF and/or ssh to load std or customized software images for I&M svc's
-  **Manage Services**
EC svc use CF and/or https to check status of I&M svcs, receive event notifications, and execute functions such as start, stop, reset, reboot, and checkpoint
-  **Measurement Data Flows**
Measurement data flows between I&M svcs
-  **Measurement Data File Transfers**
Measurement data file transfers between I&M svcs



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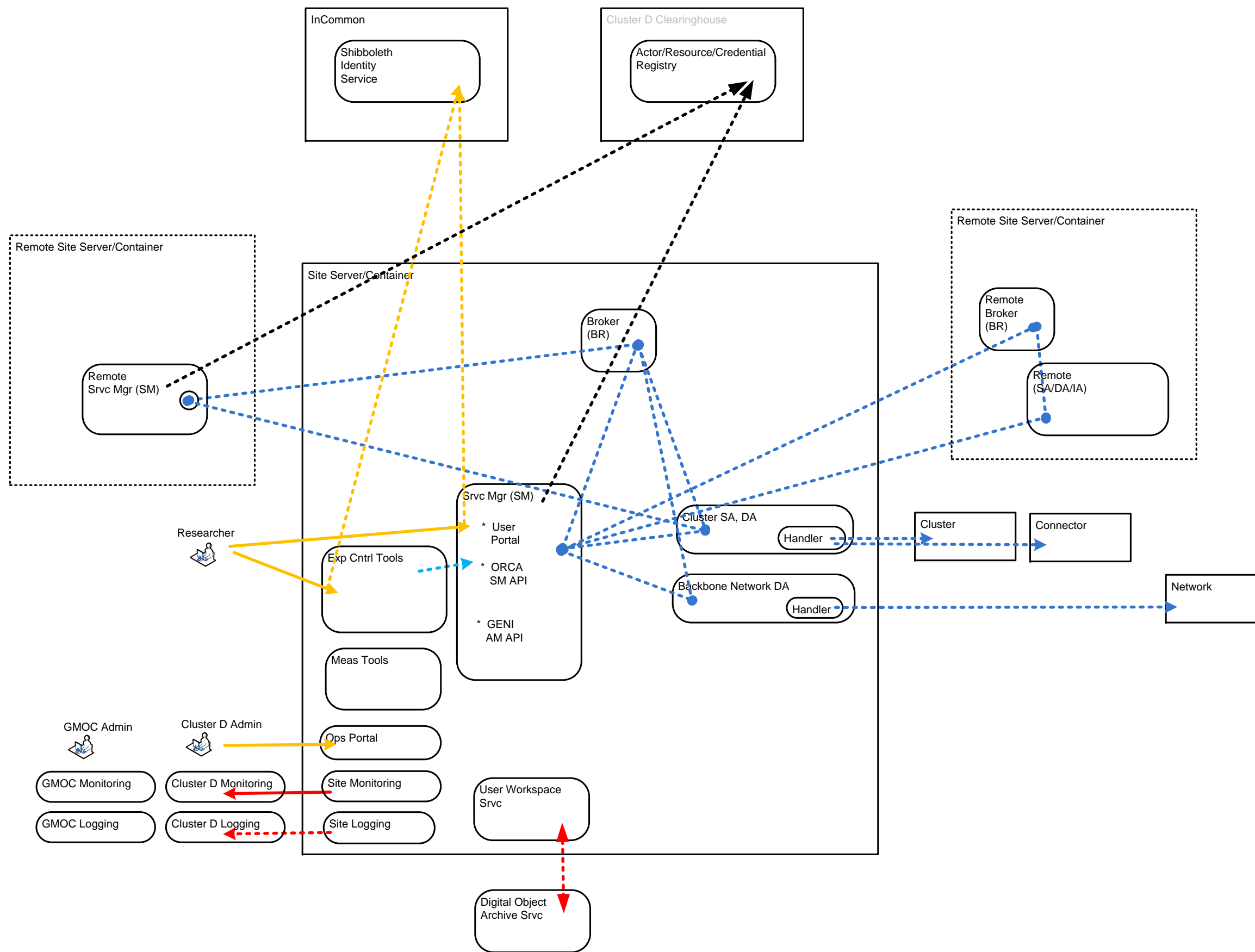
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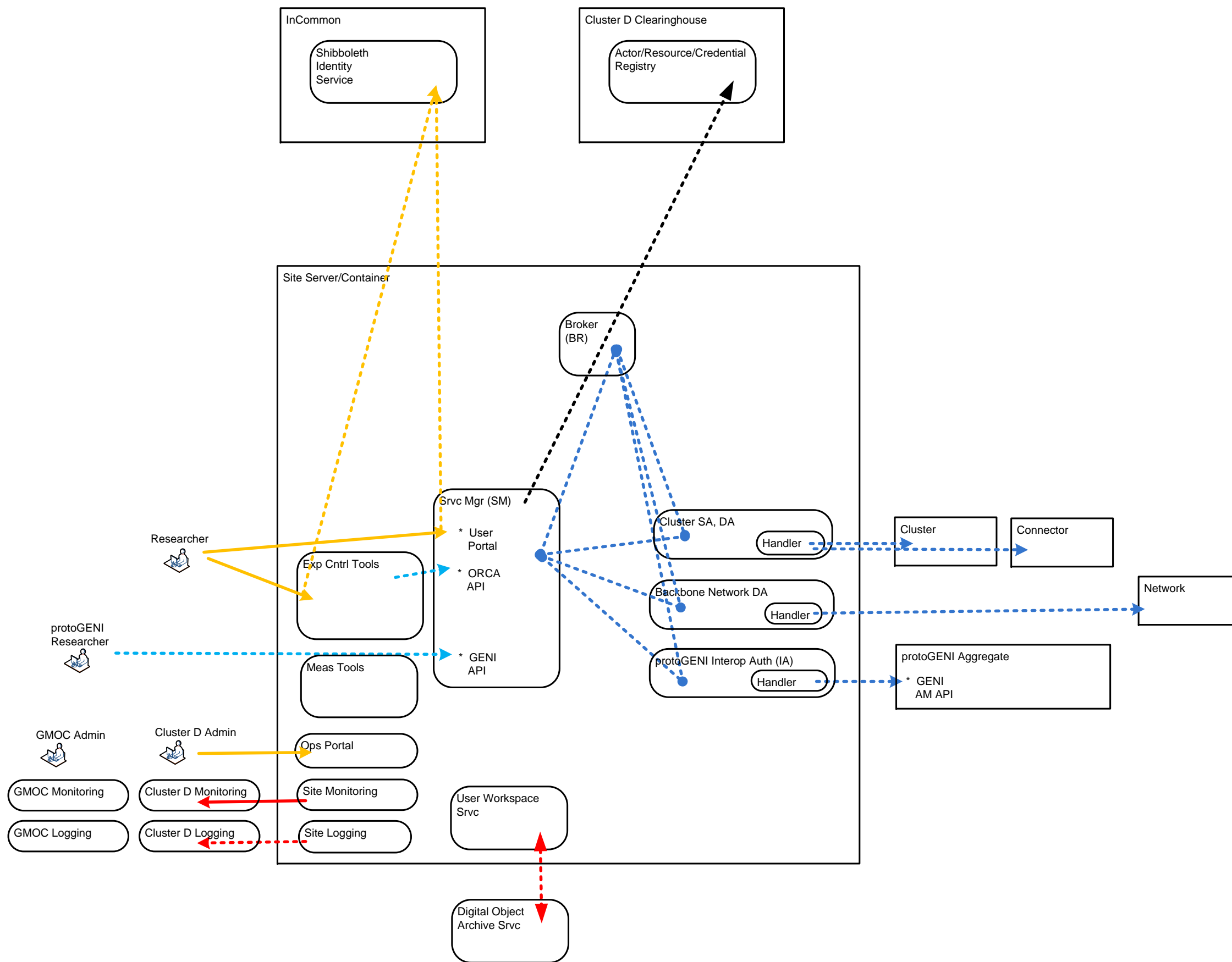
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