

Next for the GENI API

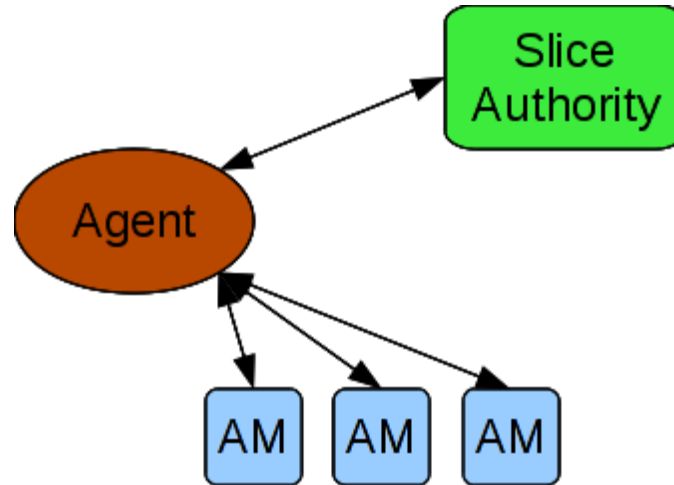
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Aggregate Manager (AM) Topics

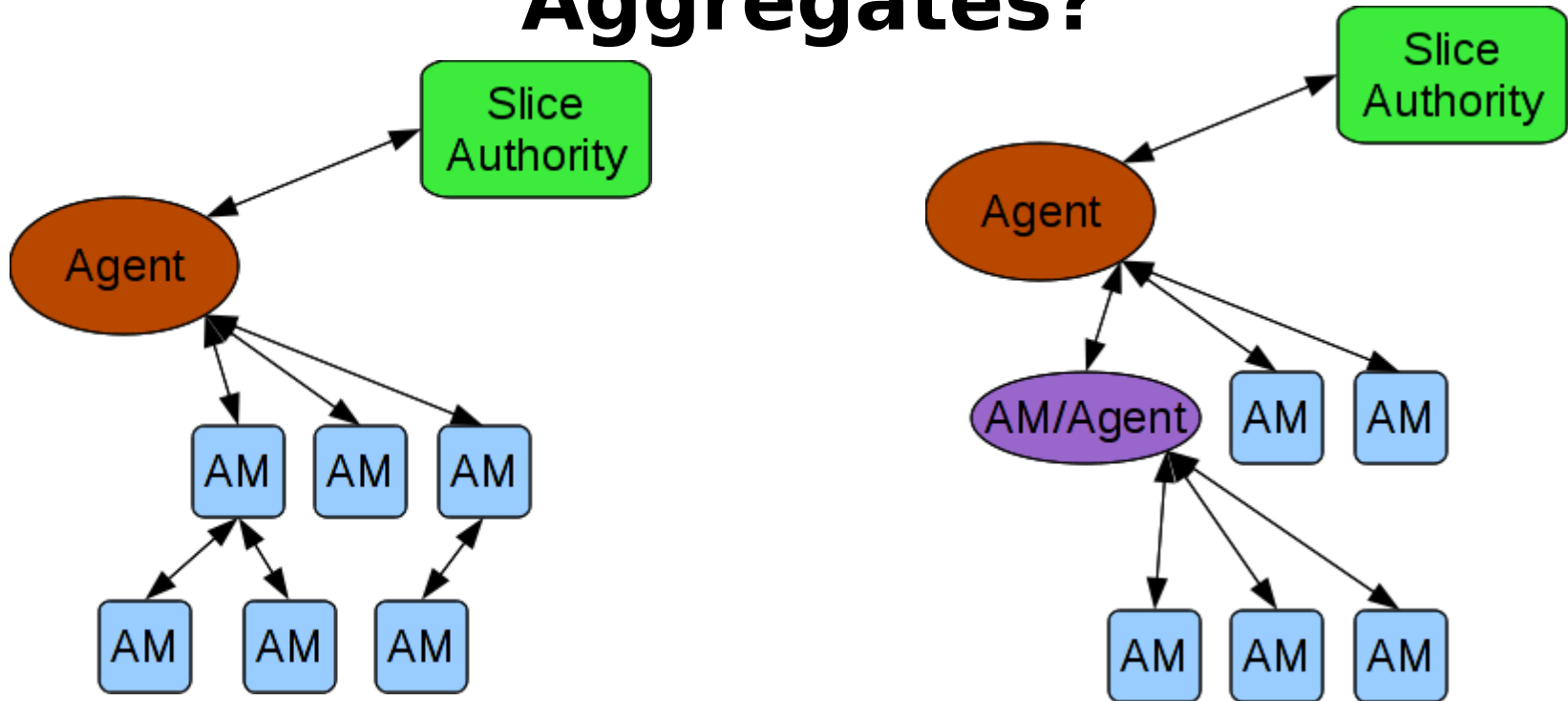
- Recursive AM interfaces/Agent interfaces
- Backchannel from AM to Slice Manager
- Exposing different slicing models

Control Framework Interfaces



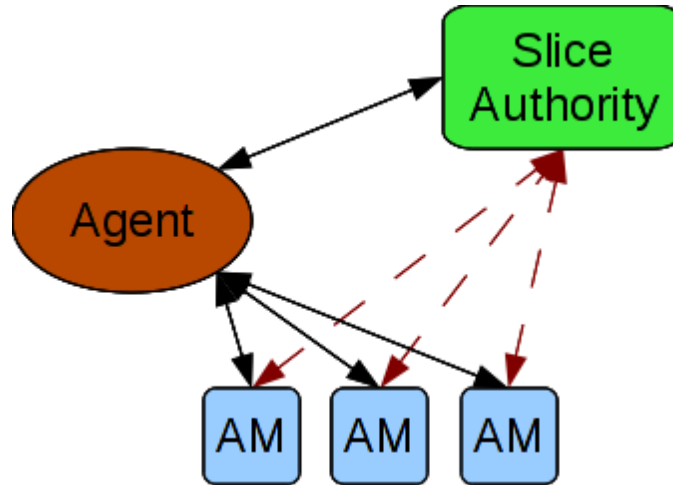
- Agent implements user choices
 - Can be intelligent

How Smart Are Aggregates?



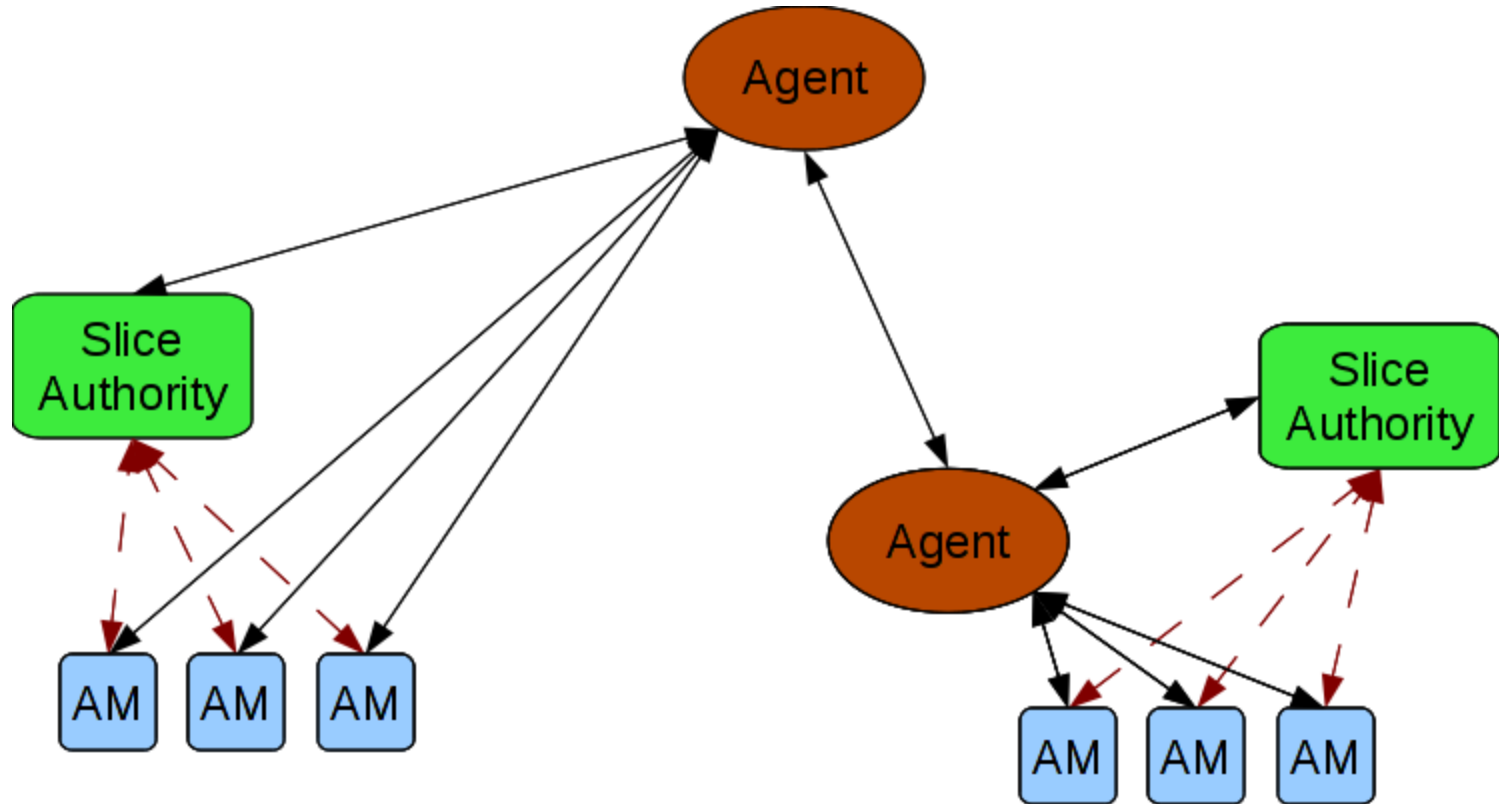
- Smarter AMs look like Agents
 - Resource allocation/configuration strategies
 - Experiment environment synthesis
- Can the GENI-API AM support this model?

Slice Managers and AMs



- Slice Authorities know about resources
 - Does the Agent register resources?
 - Do AMs talk to Slice Managers?

Slices Across Frameworks



- Dataflow for slice spanning frameworks??

Different Slivers Same RSPEC

- Lampson: Don't Hide Power
- RSPEC hides sliver/slicing model
 - ProtoGENI: closed environment
 - PlanetLab: Internet embedded
 - Orca: maybe both?
- Different experimenters want different slivers, but RSPECs are close

More Information

- Reports on the TIED project GENI wiki
 - http://groups.geni.net/geni/attachment/wiki/TIED/TIED_GENIAPI_v1.2.pdf
 - http://groups.geni.net/geni/attachment/wiki/TIED/TIED_PlanetLab_GENIAPI.pdf