

# ABAC Authorization in GENI

## Next Steps

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# ABAC GENI Integration Roadmap

## Usability:

Focus on making ABAC usable by two groups:

*experimenters*

*managers* (of aggregates, CF, clearinghouses )

## Next Two Main Tasks:

Tools

Vocabulary

# Transparency of ABAC Integration within GENI front-end tools

GENI experimenters are increasingly relying on a few tools to mediate the complexity interactions

- Sface (PlanetLab, OneLab, etc.)
- Flack (ProtoGENI)
- Slice Managers (ORCA)
- Expedient (Enterprise GENI), ..., (potentially many others.)

Two faucets of using ABAC must be hidden within these tools

- Collecting and organizing ABAC Credentials
- Supplying precisely the needed ABAC Credentials when required to invoke an action.

# ABAC Policy Tools for Managers

GENI is moving to GUIs over command lines as the preferred way of supporting front-end interactions with researchers

GENI should develop higher-level view of what Policies CH/CF/AM managers need to define (and GUIs to help support that)

# ABAC Vocabulary

Achieve Rough Consensus across a number of control frameworks, aggregates and user tool builders

Parties interested in defining:

What attributes to consistently use in policies?

What sorts of “groups” should GENI policies use

What identity portal attributes to rely upon?

# Authorization in GENI

## Next Steps

*Usability for Experimenter Tools (Flask)*

*Vocabulary (Convergence on Trust Structures)*

ProtoGENI ABAC Integration (Pilot users)

ORCA ABAC Integration

ABAC and Attributes from Identity Portals

# Questions?