BE A HERO: ENABLE AND MAXIMIZE THE VALUE OF IDENTITY FEDERATION

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Ann West, Internet2, moderator
Mark Scheible, MCNC
Jacob Farmer, Indiana University
Tom Mitchell, GENI Project Office
InCommon Today: Trust Model

- Shared Risk is key

- Run-time Environment
- Transparency of Community
- Vetting of Participant Categories
- Transparency of Operations
- Biz mapped to Tech
- Biz: Legal, Community Ethos, Eligibility
Challenges….or Opportunities?

Org 2 Org Relationship

Maximum Local Flexibility

Community Transparency
What’s the Challenge for Identity Federations?

Value

Organization Alignment/Capacity

Community Size/Diversity

Individual Education/Action
How to Be a Hero

- K12 and Community Colleges – Mark Scheible, MCNC
- Making federation safe for your users – Jacob Farmer, Indiana University
- Enabling Research – Tom Mitchell, BBN Technologies and GENI
Scaling Federation to Community Colleges and K-12

Mark Scheible
MCNC
Scaling Federation to Community Colleges and K-12

• The Challenge
  – The current InCommon business model for federating universities does not scale well for large numbers of smaller institutions
  – Including these smaller institutions has not been technically or financially viable until now
  – Opportunities and benefits for these organizations (and CC Systems or State DPI) are huge

• A Solution
  – The Regionals (RENs, RONs, R&E Network Providers) in most cases already have working relationships with these organizations in providing network/backbone connectivity
  – Many Regionals also provide other services “above the network” including firewalls, content filtering, server and application hosting, and other resources
  – Extending Federation Services to these smaller organizations using the Regionals seems like a logical path to a broader federated community
  – The Quilt began a number of K-12 Federation Pilots in 2013
  – Various Business Models were developed with one currently being piloted between InCommon and MCNC
Assurance and Scaling the Trust Fabric

Jacob Farmer
Indiana University
Chair, InCommon Assurance Advisory Committee
Assurance and Scaling the Trust Fabric

• Establishing substantial trust between an IdP and SP requires a lot “legwork”
  • You can review the POP (anyone here done that?)
  • You can establish a contract or MOU
  • You can have a long conversation about how to behave
• This doesn’t scale. This is a job for Standards.
• Bronze and Silver were a good start, but….
• The Standards we really need are more and smaller.
Enabling Research and Scholarship

Tom Mitchell
BBN Technologies and GENI Project Office
Be a Hero to Your Researchers: Faculty, Staff, and Students

• **Take Advantage of Federation, Maximize Benefit**
  – Provide access to resources for Research and Scholarship
  – Enable the Research and Scholarship category in your Identity Provider

• **GENI: Global Environment for Network Innovation**
  – *Free* platform for research
  – Unique networking capabilities; *deeply programmable*
  – A research cloud
  – *Global* in scope and usage
  – Used in the curriculum at 28 universities *world-wide*

• GENI is 1 of 33 Research and Scholarship service providers
  – *Why is your campus missing out?*
Q&A / Panel Discussion
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