Problem

- User would like grant party A and party B to access protected resources at the other
- Eg. Alexa and Sonos integration
  - Alexa calls Sonos to play a station
  - Sonos calls Alexa to update current song
- Setup is complicated and confusing as 2 OAuth flows are required
Current User Flow 1/2

1. User clicks to add Sonos in Alexa App
2. User authenticates to Sonos
3. User authorizes Alexa at Sonos
4. User redirected to Alexa with Sonos authorization code
5. Alexa exchanges Sonos authorization code for access token
6. Alexa redirects to Sonos to start 2nd flow
Current User Flow 2/2

- 7) Sonos redirects to Login With Amazon
- 8) User authenticates at Amazon
- 9) User authorizes Sonos at Amazon
- 10) User redirected to Sonos with Alexa authorization code
- 11) Sonos exchanges Alexa authorization code for access token
- 12) User is redirected to Alexa at completion
Mutual OAuth User Flow

1) User clicks to add Sonos in Alexa App
2) User authenticates to Sonos
3) User authorizes Alexa at Sonos
4) User redirected to Alexa with Sonos authorization code
5) Alexa exchanges Sonos authorization code for access token
6) **Alexa calls Sonos token endpoint with Alexa authorization code**
7) Sonos exchanges Alexa authorization code for access token (*was step 11*)
AuthN Code Context

- Alexa uses Sonos access token to pass Alexa authorization code
- Scope represented by Alexa authorization code is configured out of band
- Sonos makes standard access token request with Alexa authorization code
Next Steps

- OAuth WG Interest?