



# Why Web2.0 Needs Liberty

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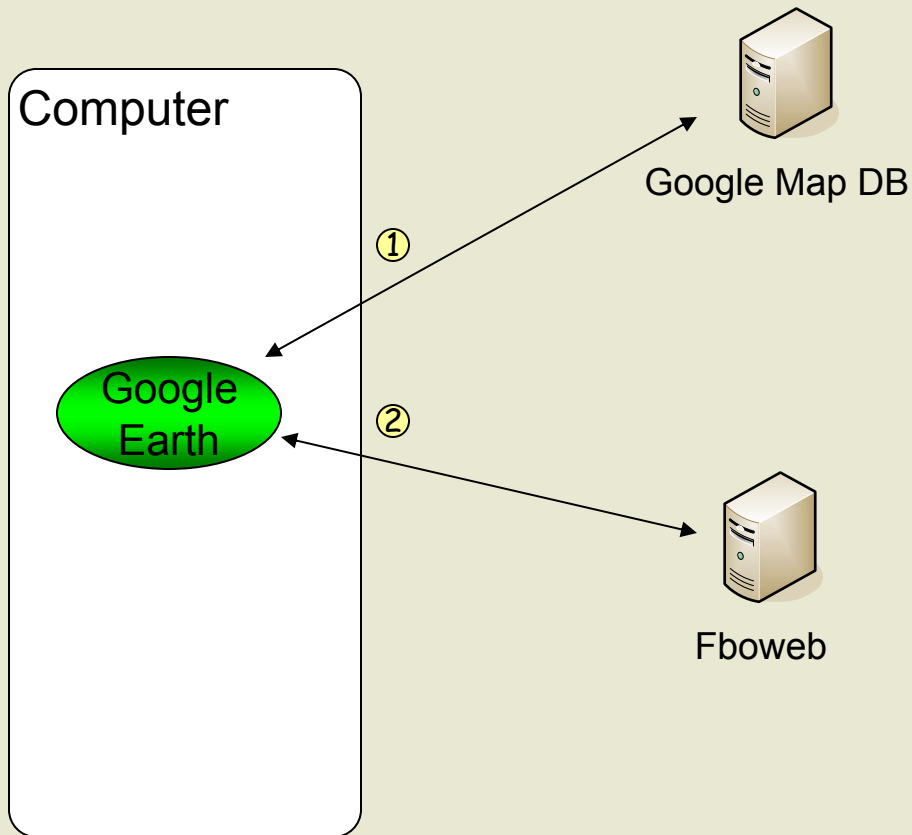
# Google Earth + Fboweb

- Google's 3D mapping/imaging App + data
- fboweb.com's flight tracking information
- 3D representation of flights at an airport

# Sample Image



# How is this accomplished?

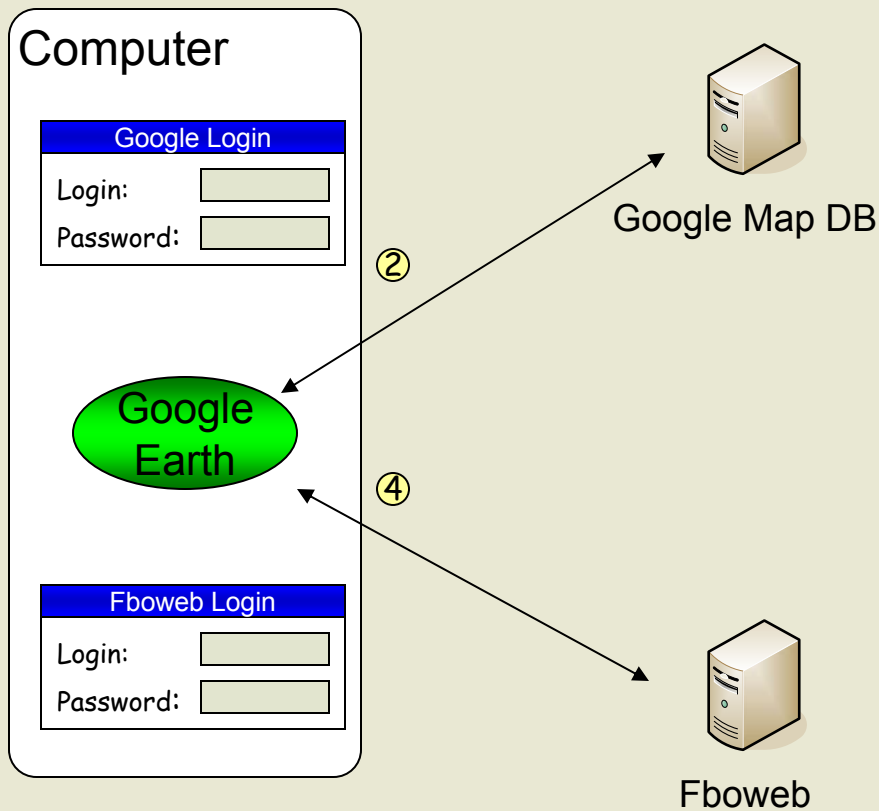


1. GE obtains mapping data from Google's map DB
2. GE obtains FAA flight information from fboweb.

# Why does this work?

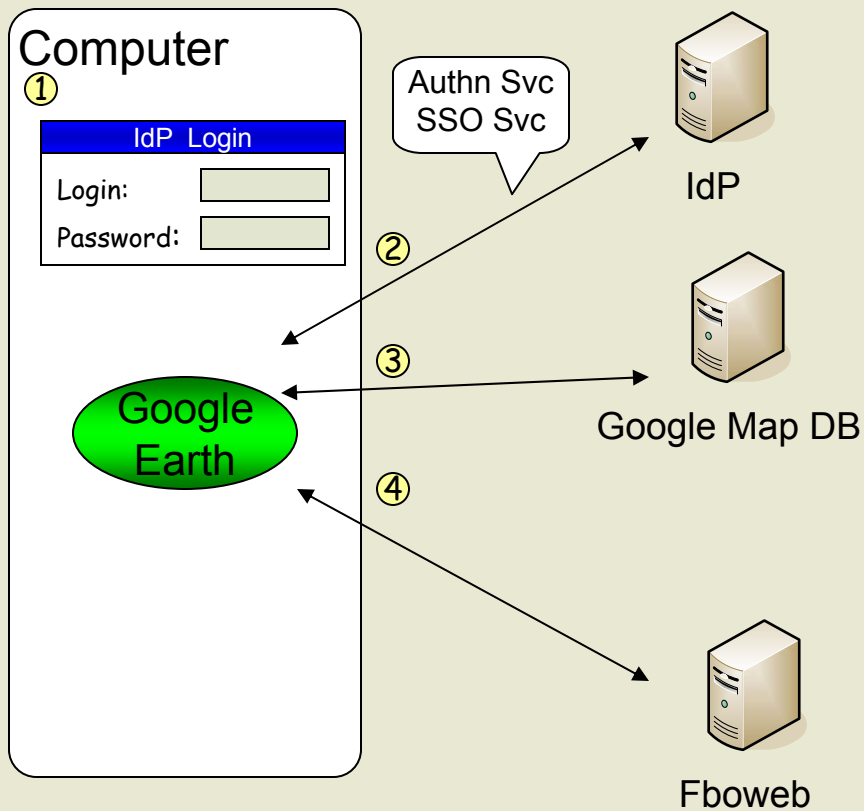
- No resource protections on the data
  - Data is free
  - no authentication/identity

# What if Auth was required?



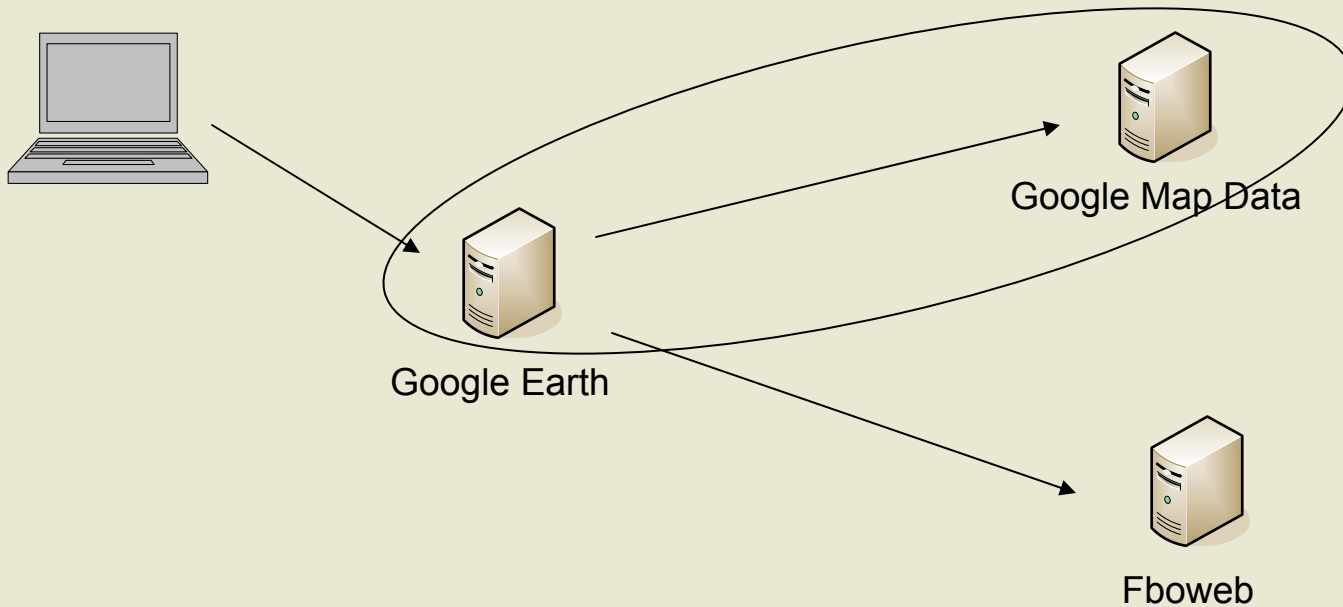
1. Ask user for credential for Google Data (and perhaps store them)
2. GE authenticates to Google and obtains mapping data from Google's map DB
3. Ask user for credential for Fboweb (and perhaps store them)
4. GE authenticates to Fboweb and obtains FAA flight information.

# Simplification through ID-WSF



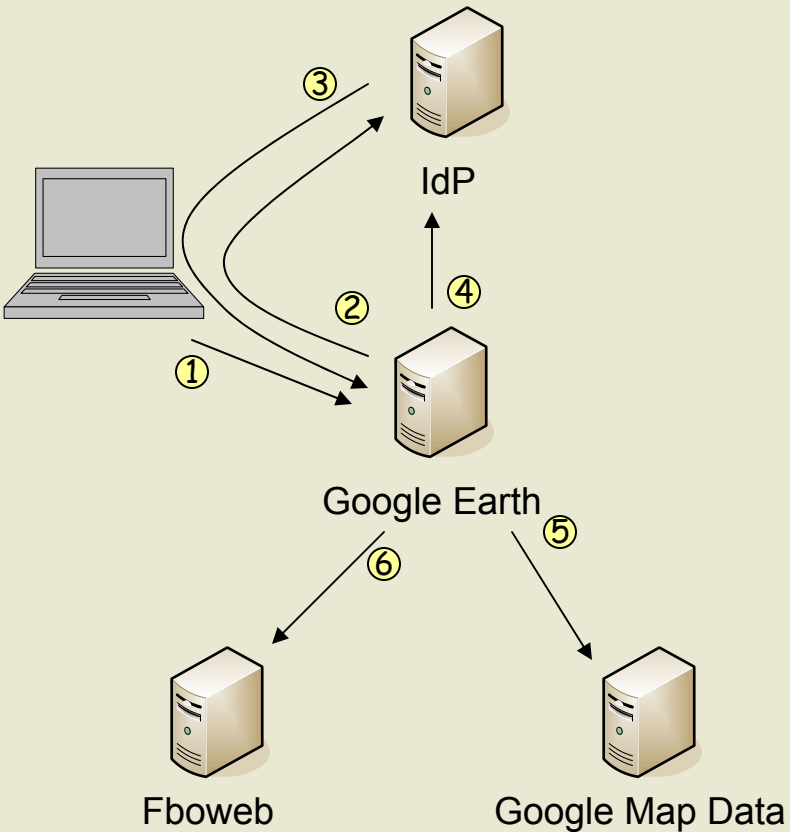
1. Ask user for credential for their IDP (and perhaps store them)
2. Submit Credentials (or proof) to IdP and obtain tokens for Map DB and Fboweb.
3. GE uses token to obtain mapping data from Google's map DB
4. GE uses token to obtain FAA flight information from fboweb.

# Google Earth as a Web App



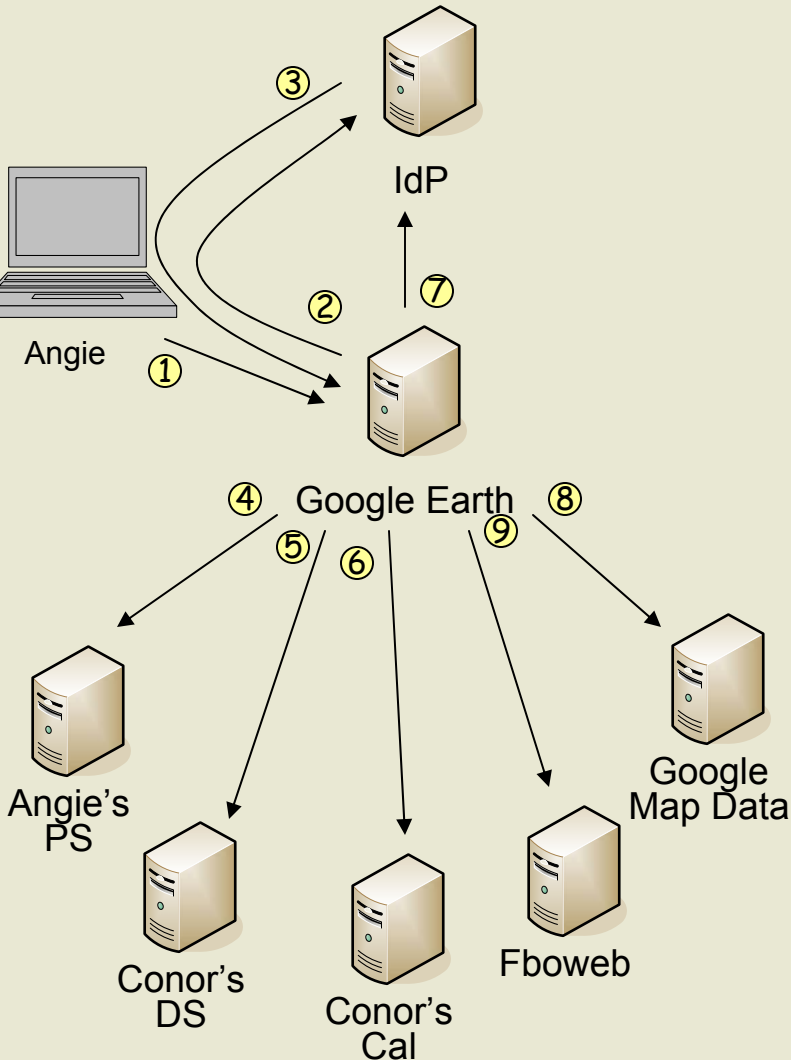
To authenticate to fboweb, user would need to provide credentials to the Google Earth Web App. (and either store them or provide them every time)

# Google Earth as a Web App w/Federation



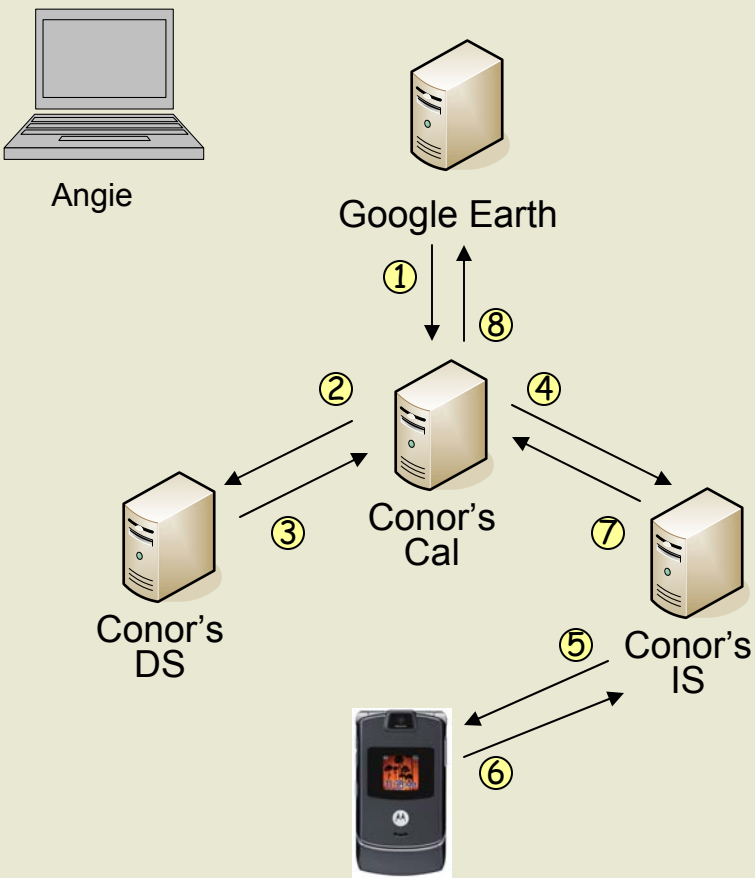
1. User browses to GE Web App
2. GE asks IdP "Who is this?" (redirect)
3. IdP responds with token for user at GE
4. GE asks IdP for tokens for Fboweb & Map Data server
5. GE uses token for access to Map Data
6. GE uses token for access to Fboweb

# Spousal tracking w/Google Earth



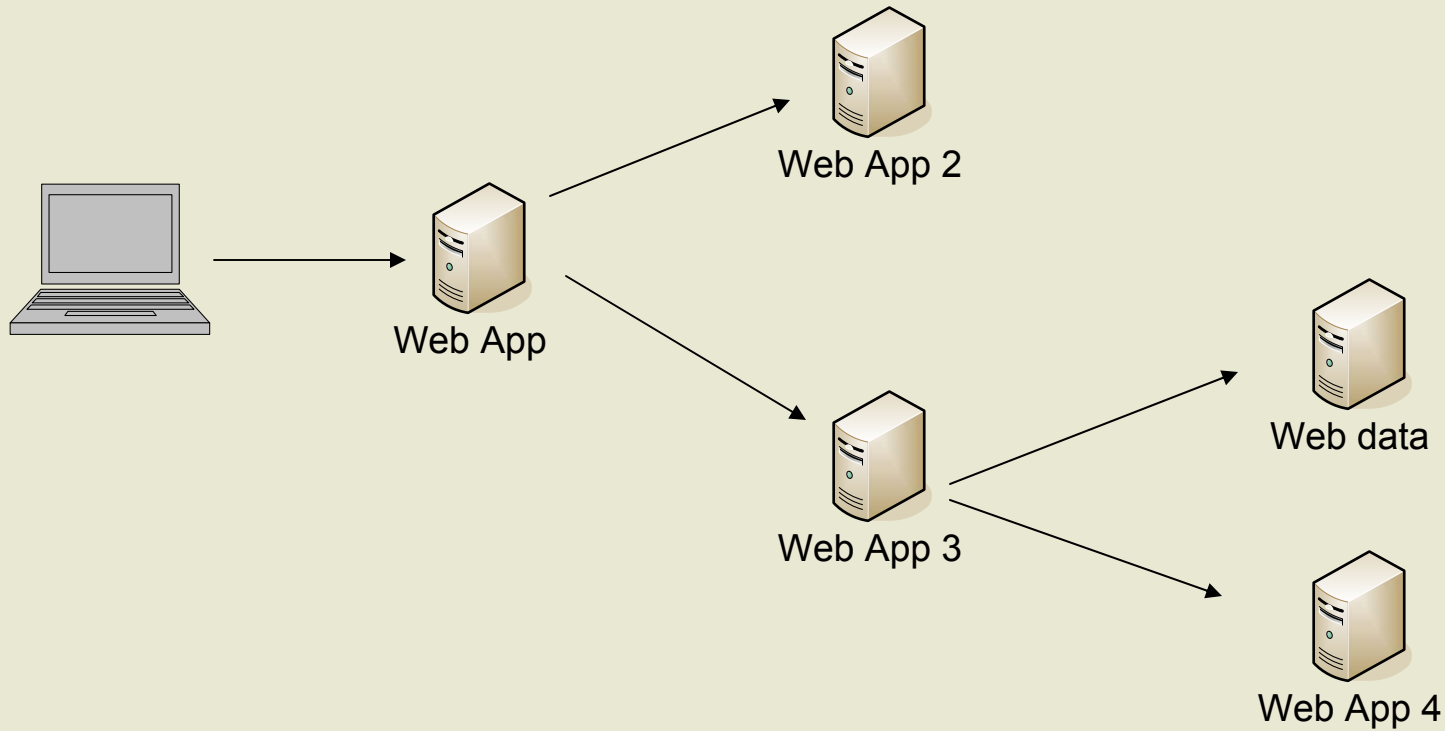
1. User browses to GE Web App
2. GE asks IdP "Who is this?" (redirect)
3. IdP responds with token for user at GE
4. GE requests identity token for Conor from Angie's People Service
5. GE discovers Conor's Calendar service
6. GE requests trip info from Conor's calendar
7. GE asks IdP for tokens for Fbweb & Map Data server
8. GE uses token for access to Map Data
9. GE uses token for access to Fbweb

# What about consent?



1. GE requests trip info from Conor's Cal
2. CC requests Conor's IS from Conor's DS
3. DS returns EPR for Conor's IS
4. CC asks Conor's IS to ask Conor if Angie can access his trip info
5. Conor's IS sends SMS to conor's mobile with consent request
6. Conor says "sure"
7. Conor's IS responds with consent decision
8. CC provides trip data to GE

# Layered Web Apps



# What does Web 2.0 need?

- SSO at the service level (as opposed to browser session level)
  - Liberty ID-WSF provides this
- An identity model to identify parties in txns
  - Liberty ID-WSF provides this
- An identity model that supports chained txns
  - Liberty ID-WSF provides this
- An interaction model that supports backend interactions
  - Liberty ID-WSF provides this
- A discovery model that allows per-user discovery
  - Liberty ID-WSF provides this
- A token management model that allows context translation
  - Liberty ID-WSF provides this

# More Information

- **Web:** <http://www.projectliberty.org>
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