1. Introduction- Bob
   1. Welcoming Comments
      1. Good morning to everyone who has joined us for this GitHub webinar
      2. This webinar is being brought to you courtesy of the MidAmerica GIS Consortium, or MAGIC for short. MAGIC consists of 9 states in the Mid-America region. MAGIC fosters collaboration and communication between GIS practitioners in these states and it sponsors outreach activities such as this webinar. If you don’t know much about MAGIC I invite you to visit our website, magicgis.org to learn more. We have a conference (Symposium) this coming April that I invite you to attend. It provides a wealth of information.
   2. Housekeeping
      1. Please note that this webinar is being recorded
      2. Please be sure to use MUTE on your phone and not HOLD to ensure we aren’t all treated to hold music
      3. Please submit your questions to the chat window. Yours truly will collect these questions and as time allows we’ll get these answered near the end of the webinar.
   3. Session Description
      1. Github is a primary tool in today's coding landscape for managing and sharing files, typically code. Developers across the world use Github to share projects and work collaboratively to create original work and also to improve upon the work of others.
      2. This webinar will show how Github works and how it can be used inside a GIS Department to share and track code, documents, and geographic data.
   4. Who the presenters are and what we’ve done on Github:
      1. Kristen Jordan-Koenig is a GIS Specialist with the Kansas Data Access and Support Center. Her primary experience with GitHub is collaborating on data verification tools for the Kansas Next Generation 911 project. She mostly codes in Python and organizes the Kansas Python Users Group.
      2. Tony Davis is the Software Development Manager for the Arkansas Game and Fish Commission. His primary experience with GitHub is collaborating on the Syriaca.org project -- a collaborative research project publishing online reference works concerning the culture, history, and literature of Syriac communities from antiquity to the present – and collaborating on the Arkansas Spatial Data Infrastructure (ASDI) with the Arkansas GIS Office.
2. What is Github- Kristen
   1. Platform for sharing and tracking projects
   2. Code repository
   3. Change detection
   4. Can be used for other documents
   5. Commonly used for open-source code projects
   6. Social media aspects
      1. Commenting
      2. Wikis
      3. Bug tracking
3. Key definitions- Kristen
   1. Repository
   2. Fork
   3. git
4. Where Github operates- Kristen
   1. Online
   2. Desktop clients
   3. Plugins
5. Demonstration: Getting Started - Tony
   1. Sign up for an account
   2. Download and install GitHub for Windows/Mac
   3. Create GitHub Repo
   4. Clone Local Repo
6. Demonstration: Your Code/Data - Tony
   1. Add your own code/documents
      1. Add documents to local repo
      2. Edit documents on local repo
      3. Commit changes to local repo
      4. Sync changes to GitHub repo
7. Demonstration: Another’s Code/Data - Tony
   1. Fork another repository (master repo) to local repo
      1. Edit documents on local repo
      2. Commit changes to local repo
      3. Sync changes to GitHub rep
      4. Pull Request to merge changes to original branch
8. Common Maintenance
   1. Issue Tracking
   2. Pull Requests
9. Geographic Data- Tony: Description and Demonstration
   1. GIST
      1. Secret
      2. Public
   2. GeoJSON
      1. Example data: http://syriaca.org/api-documentation/index.html
10. Questions and Answers with Bob as Moderator
    1. Thank you Kristen and Tony
    2. Thank you for your questions
    3. Now let’s go through those questions and get through as many as we can in the time that we have remaining.