



**Esri International User Conference | San Diego, CA**  
**Technical Workshops | July 14, 2011**

# **Leveraging the Cloud for Data Sharing Between Remote Offices**

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# Synchronizing Data

- What is Replication?



# Synchronize copies of a Geodatabase

- Make edits and synchronize multiple times
- Configurations
  - Changes are sent in one direction to a read-only copy



- Changes are sent in both directions

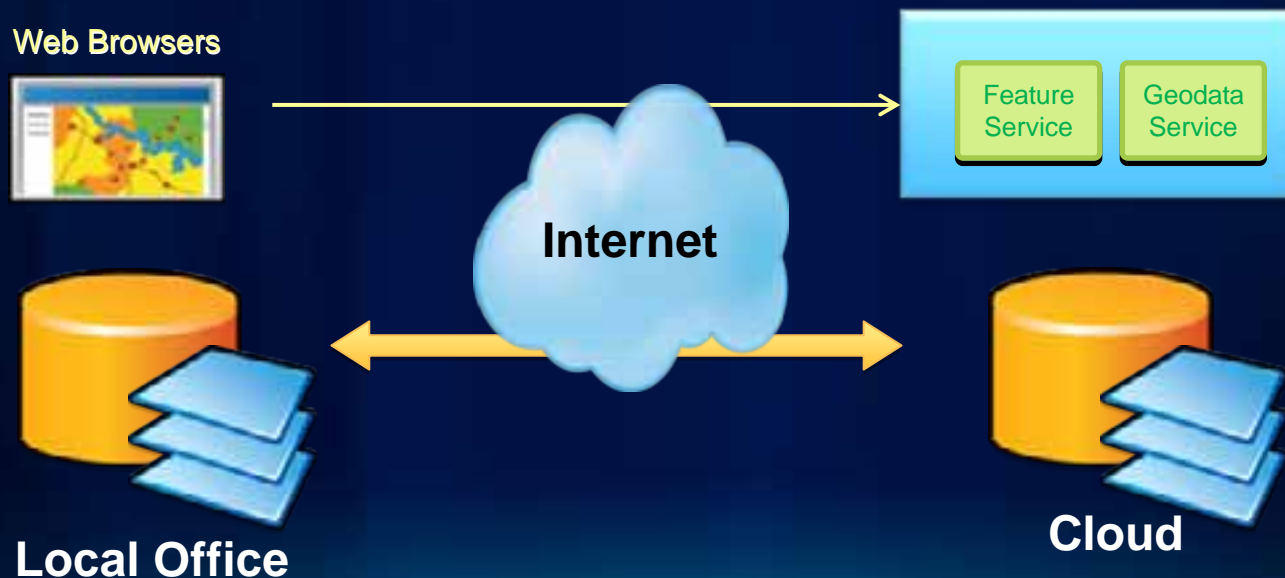


# Synchronizing and the cloud

- The cloud described in this session refers to...
  - Machine images preconfigured with ArcGIS Server 10
  - Hosted on Amazon cloud
- Why go to the cloud?
  - High Availability
  - Scalable
  - Saves on hardware and resources

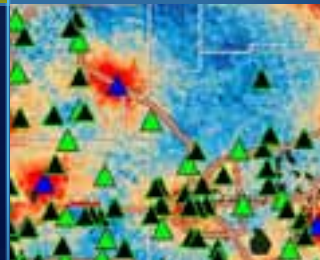
# Synchronizing and the cloud

- Copy Geodatabase data to the cloud
- Publish services
- Synchronize between Local Office and Cloud



# DEMO: Replicate read-write Geodatabases

Replicating to the cloud



# Replicating to the cloud

- IIS has data size limits
  - Can be resized
    - Default is 4 mb
    - <http://support.esri.com/en/knowledgebase/techarticles/detail/34929>
  - Disconnected
    - Add in at 10.0
      - <http://resources.arcgis.com/gallery/file/geodatabase/details?entryID=B7F6661F-1422-2418-8883-CB57C1754020>