ArcGIS Data Reviewer : Leveraging Geoprocessing for data validation

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Demo Theater Overview
Extending the Validation Framework

- **What is ArcGIS Data Reviewer?**
- **ArcGIS Data Reviewer components**
- **ArcGIS Data Reviewer GP tools**
- **Running a model and writing results to Reviewer Table**

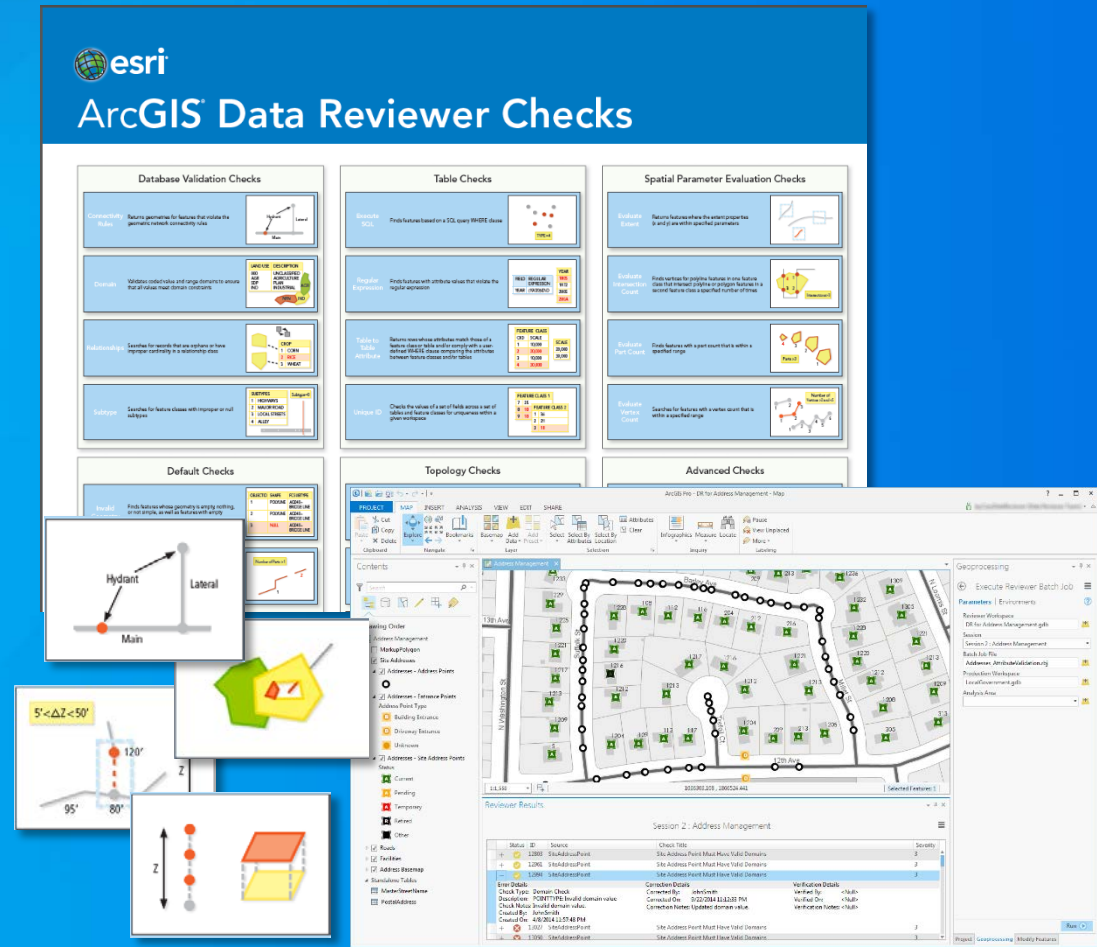# What is ArcGIS Data Reviewer?

Data Quality Management for ArcGIS

- **Provides**
  - **Rule-based validation**
  - **Interactive tools**
  - **Track errors**

- **For individuals and enterprise**
  - **Saves time/money**
  - **Less rework**

- **For multiple domains**
  - **Configurable**
  - **Extendable**

Validate

Summarize
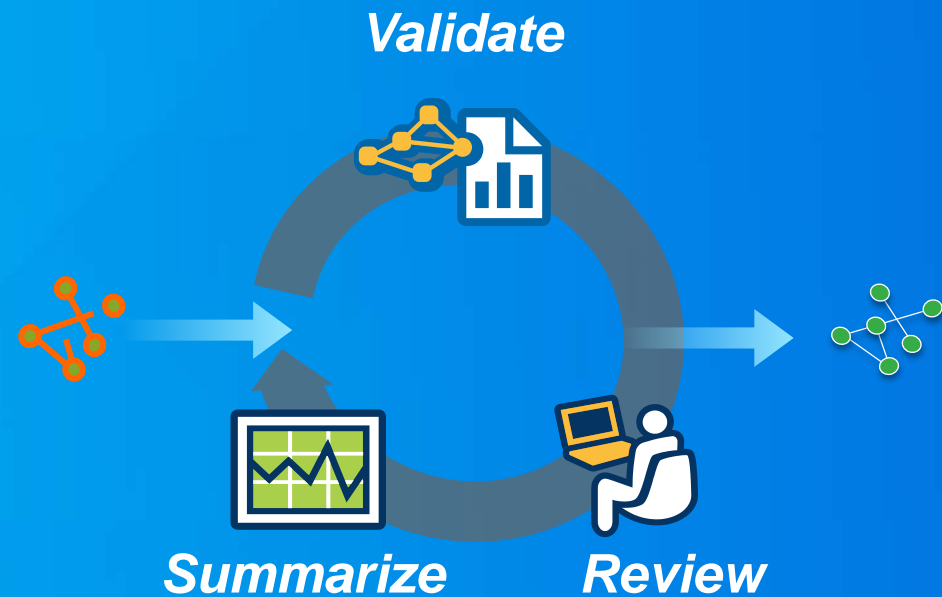
Review

ArcGIS Data Reviewer

Automate, Simplify, and Improve your Quality Control Process

- **Extension to ArcGIS Desktop and Server**

- **Supports complete QC process**

- **Provides**
  - **Rule based workflows**
  - **Interactive tools**
  - **Track errors**

Data Reviewer Components

ArcGIS Data Reviewer GP Tools

At 10.3.1 ArcGIS Data Reviewer has 6 GP Tools:

- **Enable Data Reviewer**

- **Create Reviewer Session**

- **Execute Reviewer Batch Job**

- **Delete Reviewer Session**

- **Write to Reviewer Table**

- **Geodatabase Schema Compare**

Geoprocessing Tools

Data Reviewer Tools.tbx
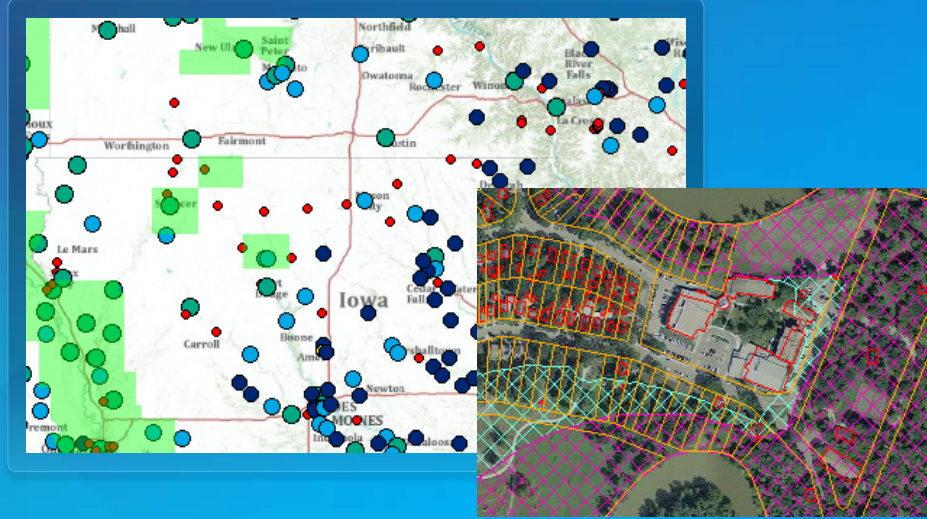- Create Reviewer Session
- Delete Reviewer Session
- Enable Data Reviewer
- Execute Reviewer Batch Job
- Geodatabase Schema Compare
- Write to Reviewer Table

Geodatabase Schema Compare

- Input Base Geodatabase Schema

- Input Test Geodatabase Schema

- Output Folder

Ignore Options (optional)
- [ ] IGNORE_DOMAINS
- [ ] IGNORE_DATABASETOPOLOGY
- [ ] IGNORE_HASMS
- [ ] IGNORE_HASZS

Select All   Unselect All   Add Value

OK   Cancel   Environments...   << Hide Help   Tool Help

Geodatabase Schema Compare

Compares a base and test schema and reports the differences between the two that are relevant to data loading, such as feature classes, tables, spatial references, and field definitions.
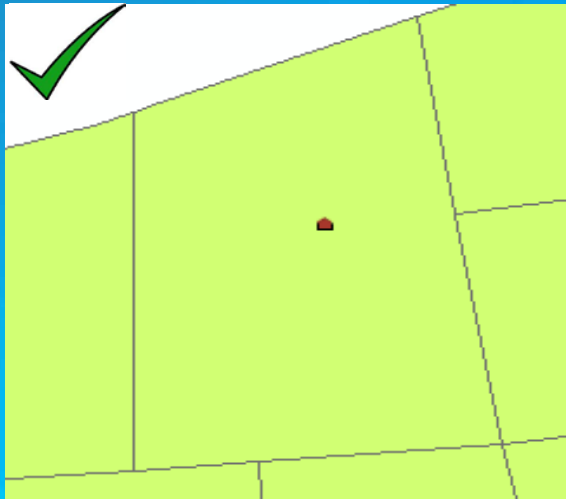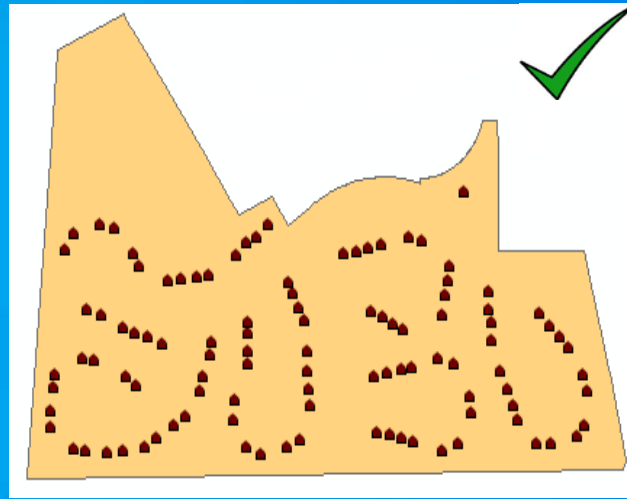
Leverage GP model to perform data validation
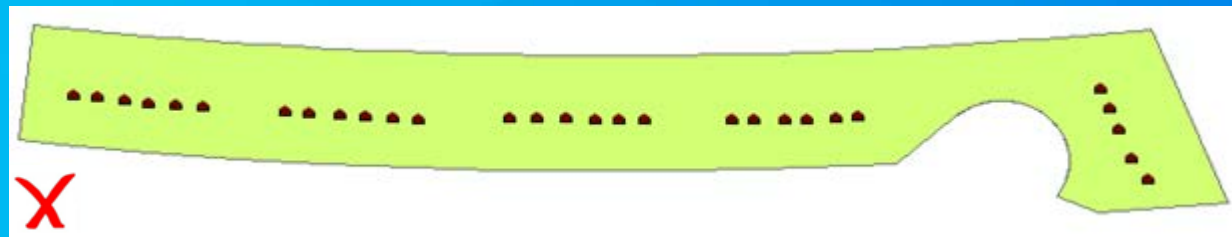
Leverage GP model to perform data validation

Business rule: Single family parcels must not contain more than one address
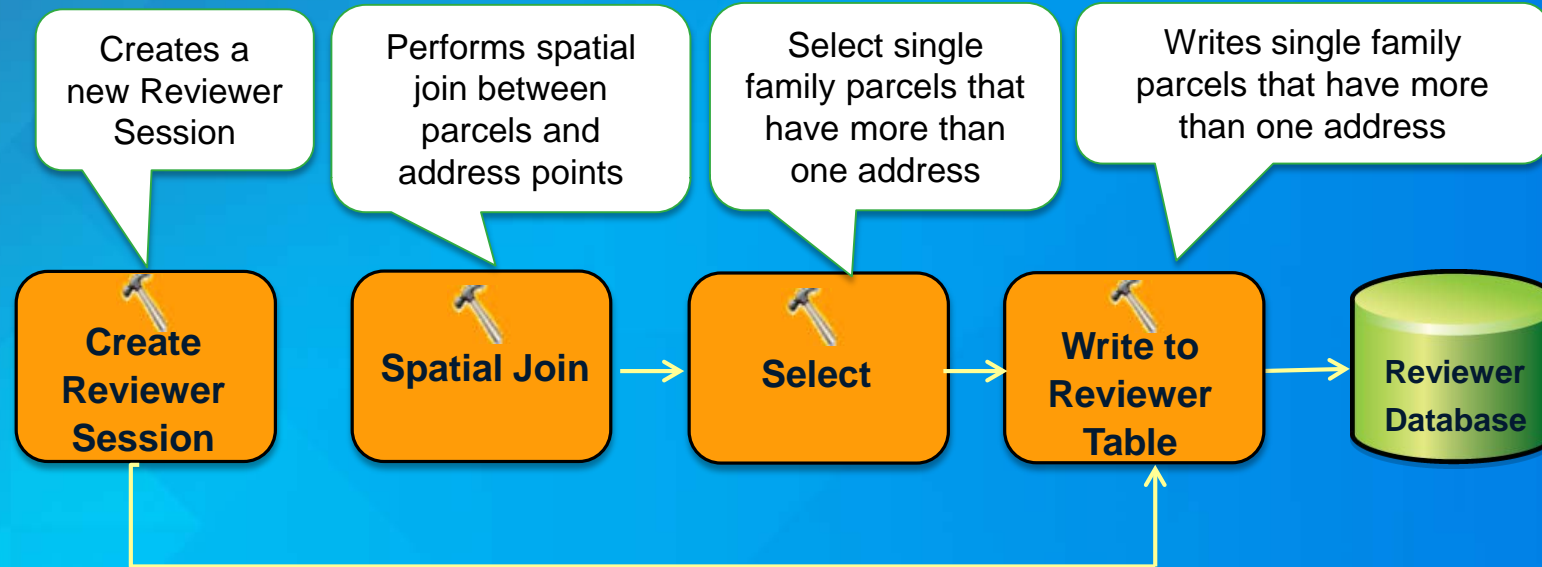

Single Family Home

Apartment Complex

Single Family Home

Model

Summary

- **ArcGIS Data Reviewer components**
  - **Reviewer Database**
  - **Reviewer Checks**
  - **Reviewer Table**

- **ArcGIS Data Reviewer GP tools**
  - **Enable Data Reviewer**
  - **Create Reviewer Session**
  - **Execute Reviewer Batch Job**
  - **Delete Reviewer Session**
  - **Write to Reviewer Table**
  - **Geodatabase Schema Compare**

- **Write to Reviewer Table GP tool can be used to enhance data QC beyond the standard checks**

Resources

Training/Services

training.arcgis.com

- **Training**
  - Training Seminars (Free)
  - Web courses
  - Instructor-led training

- **Jump-Start Packages**
  - 3-5 day on-site assistance
  - Flexible deliverables
  - Training and consulting

www.esri.com/services/professional-services

Want to learn more?

- **Documentation**
  - [Resource Center](#)

- **Training**
  - [Assessing Data Quality using ArcGIS Data Reviewer](#) (Seminar)
  - [Data QC with ArcGIS: Automating Validation](#) (Web Course)
  - [Data QC with ArcGIS: Visual Review](#) (Web Course)
  - [Quality Control Using ArcGIS Data Reviewer for Desktop](#) (Instructor Led)

- **Questions/Comments**
  - GeoNet ([Data Reviewer](#) place)
  - Email (datareviewer@esri.com)

Understanding our world.