Cartography Road Ahead

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ArcGIS 10.1 Cartography

- Enhancing the functionality from ArcGIS 10
  - Dynamic legends
  - More Python map scripting
  - Multi-scale mapping for large data sets

- Focused improvements for map authoring
  - Coordinate systems
  - Page layout
  - Symbology
  - Labeling
Map Automation
Dynamic Legends

• Display only features in the visible extent
• Dynamic sizing

Feature counts

Word wrapping

Column wrapping
Dynamic Legends – Demo
arcpy.mapping Improvements

- Access classified symbol renderer properties
  - Support for thematic map books
  - graduated colors
  - graduated symbols
  - unique values
  - raster classified
arcpy.mapping Improvements

- Export Report
- Layer time properties
- Bookmarks
Multi-scale Mapping
Process large data sets

- Partitions manage processing
- Geoprocessing environment variable

Create Cartographic Partitions tool
Collapse Road Detail tool

- Features that interrupt the road network
- Size parameter
Delineate Built-Up Areas tool

- Based on building groupings
- Snap to edge features
Multi-scale Mapping – Demo
Map Authoring
Coordinate System enhancements

- Coordinate system search
- Spatial filter
- Improved favorites experience
- Create compound transformations in the dialog
Page Layout enhancements

• North Arrow

• Scale bar
  - Align to zero

• Additional unit placement options

• Fractions
Labeling enhancements

*Maplex label engine included at all license levels*

- Python label scripts
- Global Maplex properties now at the label class level
- New label placement options

Key numbering  
Straddle lines  
Borders and Junctions
Symbology enhancements

- Support for PNG and JPG marker symbols
- Representations
  - Searchable representation markers and rules
  - Marker placement clockwise rotation
  - New geometric effects
Questions?
Thank you