Motivation
Query Layer at 10.0
Query Layer 10.1 onwards
Database or Geodatabase?
• Tables + spatial types
- Tables + Spatial types + Advanced functionality
## Database support added

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<th>Version</th>
<th>Databases</th>
<th>Support</th>
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<tr>
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<td>SQL Server</td>
<td>Geometry, Geography</td>
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<td>Oracle</td>
<td>ST_Geometry, SDO_Geometry</td>
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<td>PostgreSQL</td>
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<td>10.1</td>
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<td>SQLite</td>
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</table>
How does connection work?

ArcGIS

DBMS

Client

Database
## Client setup files

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<th>Database</th>
<th>Client files</th>
<th>Download from</th>
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<tr>
<td>SQL Server</td>
<td>Native Client</td>
<td>ESRI</td>
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<td>Oracle</td>
<td>Database Client</td>
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<td>package, ODBC driver</td>
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</tbody>
</table>
Database Access

- **View Content**
  - Spatial Data types supported in ArcGIS ->( resources.arcgis.com)
  - Non-Spatial search for DBMS data types supported in ArcGIS
  - Dynamic information

- **Database Administration**
  - Add user
  - Add content

- **Work with layers**
  - Set properties
  - Analyze

- **Edit tables**
  - Feature Service at 10.2
Work with Database in ArcGIS

Annie Sasidhar
Summary

- Improved connection user experience
- Discover entity type on opening the spatial class
- Works as a Feature layer in ArcMap
- Use GP tools for analysis
- Publish as map service
  - Layer package
- Edit as a feature service from 10.2
Resources

Health Resources and Services Administration (HRSA)
http://datawarehouse.hrsa.gov/HPSADownload.aspx

Query Layer
http://resources.arcgis.com/en/help/main/10.2/index.html#/%E2%80%9Cwhat_is_a_query_layer%E2%80%9D/00s50000000n000000/

Changes in Query Layer
http://support.esri.com/en/knowledgebase/techarticles/detail/41246

The Evolution of Query Layers (Blog)
Related Sessions

Web Enabling Databases with ArcGIS for Server:
10:15AM – 11.30 AM
Wednesday 7/16/2014 (1273 -> Room 08)
Thursday 7/17/2014 (1379 -> Room 09)
Thank you...
Accessing Spatial Databases in ArcGIS using Query Layers

• Please fill out the session survey:

First Offering ID:  1709
Second Offering ID:  1741

Online – www.esri.com/ucsessionsurveys
Paper – pick up and put in drop box