

ArcSDE / SQL SERVER FOR ARCGIS 10.X

INSTRUCTOR: KENT ROTHROCK, HIGHLAND MAPPING, INC.

COSTS: \$140

CLASS SIZE: 20

LENGTH: 1 DAY, FEB. 12, 2014

LUNCH: LUNCH WILL BE PROVIDED AS PART OF THIS REGISTRATION FEE. ATTENDEES WILL BE CONTACTED AT A LATER DATE FOR ANY DIETARY REQUESTS.

TARGET AUDIENCE: PARTICIPANTS SHOULD HAVE A BASIC UNDERSTANDING OF RELATIONAL DATABASES, GIS, AND THE ARCGIS SOFTWARE PRODUCT LINE.

COURSE GOALS: THIS 1-DAY WORKSHOP WILL EXPLORE THE ARCHITECTURE INVOLVED WITH AND MANAGEMENT OF SQL SERVER-BASED ArcSDE DATABASES. BOTH ENTERPRISE AND WORKGROUP / PERSONAL (SQL SERVER EXPRESS) LEVEL IMPLEMENTATIONS WILL BE DISCUSSED IN GREAT DETAIL. SPECIFIC EXAMPLES WILL INCLUDE WORKING WITH SQL SERVER 2012 AND ARCGIS 10.1.

TOPICS TO INCLUDE:

- VARIOUS SQL / SDE / WINDOWS IMPLEMENTATIONS – WHAT SPECIFIC VERSIONS OF THE SOFTWARE ARE COMPATIBLE?
- CONNECTING TO THE GEODATABASE – WHAT'S NEW? WHAT OPTIONS ARE THERE? DATABASE VS. WINDOWS AUTHENTICATION.
- MANAGING VERSIONS IN THE GEODATABASE – HOW TO DETERMINE WHAT KIND OF VERSION ARCHITECTURE TO USE FOR YOUR ORGANIZATION? RECONCILE / POST / COMPRESS.
- MANAGING SECURITY AND PERMISSIONS IN THE GEODATABASE. LOGINS, USERS, SCHEMAS, AND ROLES. HOW IT ALL WORKS.
- DATA TYPES – WRESTLING WITH THE VARIOUS STRING, NUMERIC, AND DATE FIELD OPTIONS. WHAT YOU MIGHT RUN INTO.
- WHAT TO DO / NOT TO DO IN SQL SERVER?
- MANAGING REPLICAS.
- VECTOR DATA – HOW IT IS STORED IN ArcSDE DATABASES.
- RASTER DATA – HOW BEST TO STORE AND SERVE?
- VIEWS – WHAT THEY ARE AND WHEN TO USE THEM. TABLE VIEWS VS. SPATIAL VIEWS.
- HOW TO HANDLE ONE-TO-MANY RELATIONSHIPS WITH YOUR DATA.
- UPGRADING SQL / SDE IMPLEMENTATIONS. WHAT NEEDS TO BE CONSIDERED?
- INDEXING THE DATABASE.
- TUNING THE DATABASE.
- BACKING UP / RESTORING THE DATABASE.
- MOVING THE DATABASES FROM ONE SERVER TO ANOTHER. VIRTUAL IMPLEMENTATIONS.
- IMPORTING / EXPORTING DATA.
- AUTOMATING REPETITIVE TASKS.
- IMPLEMENTING AND MANAGING WORKGROUP SDE IMPLEMENTATIONS.

THE WORKSHOP WILL BE A LECTURE / DEMO STYLE WITH LOTS OF Q AND A AVAILABLE. WHILE THERE WILL BE PLENTY OF DETAIL, SOME SUBJECTS WILL BE BRIEFLY COVERED DUE TO TIME CONSTRAINTS. ALL EFFORTS WILL BE MADE TO ENSURE A CONCISE, WELL-ROUNDED EXPERIENCE FOR PARTICIPANTS.

HIGHLAND MAPPING, INC. IS A GIS CONSULTING AND CUSTOM MAPPING FIRM PRIMARILY SERVING COUNTY AND MUNICIPAL GOVERNMENT THROUGHOUT NORTH CAROLINA. WE UTILIZE GIS TECHNOLOGY TO HELP OUR CLIENTS INCREASE PRODUCTIVITY, ENHANCE DECISION MAKING, AND PROVIDE BETTER CUSTOMER SERVICE. OVER 15+ YEARS OF BUSINESS, WE HAVE MANAGED ALL TYPES OF GIS PROJECTS, FOCUSING MOSTLY ON LAND RECORDS AND E911 SOLUTIONS AS WELL AS ENTERPRISE DATABASE MANAGEMENT AND INTEGRATION.