The U.S. Geological Survey Central Energy Resources Team (CERT) Oracle database contains oil-, gas-, and coal- related data in support of energy resource surveys and analyses. In addition, this spatial database system is accessed through a variety of desktop and web applications using Environmental Systems Research Institute’s (ESRI) ArcSDE middleware product.

Prototyping and documenting the Linux Red Hat 2.1/4 Advanced Server, Oracle 9i/10g, and ArcSDE 9 installation and configuration, and system performance was important in the decision to use Red Hat Linux and Dell Server Architecture in a production environment. This documentation provides users with a “jump start” toward the migration to a Dell Linux Oracle ArcSDE environment. In addition, testing and documenting the migration of ArcSDE layers into the new environment was accomplished as well as performance metrics obtained through ESRI’s ArcGIS TOFINO tool set extension.

Note: Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.