

NETL develops and maintains a variety of applications that are written to support mission specific requirements. Over the past few years, NETL has embarked upon a concerted effort to move these applications from a thick client-server model to a thin client web-based model. While we have made great strides, the environment still contains a mix of the new technology and the older legacy technology. Some of the programming technologies still employed today include:

- C# / .NET / Visual Studio 2008
- Gupta / Centura / SQL Windows
- Delphi
- Adobe Livecycle
- Javascript
- Skelta BMP workflow engine

To support this development environment, and to maintain both the old and new technologies, NETL utilizes some of the following tools/utilities:

- Embarcadero
- Quick Test
- Toad
- Spi Dynamics (Webinspect, Devinspect)
- Ultra Edit
- Easylistbox
- SQL Developer
- SQL Server Reporting Services
- Crystal Reports

NETL manages data related to both its mission specific requirements and to enterprise-wide DOE requirements. This data is not only authored and maintained at NETL, but is imported from, and exported to, other entities within the DOE. NETL uses data from both internal and external sources to feed an Operational Data Store (ODS) that helps with low level transactional reporting across multiple data sources. In addition, NETL aggregates this data into a data warehouse, and business intelligence tools to report on and analyze this data. The database environment consists of the following products:

- Oracle
- Microsoft SQL Server
- Microsoft Access
- Cognos BI Tools

NETL uses approximately 12 server class machines to house the products and perform the activities described above. The majority of these systems use the Microsoft Windows 200x Server Operating System.