At the heart of AI is data. Good data properly identified, cleaned, managed, secured and repurposed is what AI is built upon. Storage and management of data (DataSys+) and the analysis of data (Data+) are critical to converting raw information into useful, powerful results.

**Database Administrator Job Opportunity in the U.S. by the Numbers**
April 2022 - March 2023

- 242,000 Database Administrators working in the U.S.
- 23,400 Database Administrator job postings
- 2.1 million Job postings for candidates with database related skills
- $102,530 Median salary

*The U.S. Bureau of Labor Statistics*  
*UK data skills gap report*

**The need for data skills in the UK**

- 234,000 jobs requiring technical data skills are unfilled in the UK
- 46% of UK businesses have struggled to recruit for roles that require technical data skills

**Domains**
- Database Fundamentals 24%
- Database Deployment 16%
- Database Management and Maintenance 25%
- Data and Database Security 23%
- Business Continuity 12%

**Highlights**
- SQL code is the most common language used to manage relational databases and is a significant part of DataSys+.
- DataSys+ empowers database administrators to compare and contrast scripting languages and command line prompts so that they are capable of working in different environments.
- Protecting data is critical and a loss of data can have a crippling effect on an organization’s ability to do business. DataSys+ certified individuals can effectively and rapidly recover from a disaster and resume normal operations.
- DataSys+ covers essential monitoring skills and optimizing database performance, including understanding how to use indexing, query optimization, and other techniques to improve database performance.
- Protecting data is vital to an organization’s success and DataSys+ includes managing user permissions, encrypting data, and defending against data breaches.