

A geodatabase is a central storage location for features, related datasets and behaviors.

They consist of the following components –



Feature dataset

An organizational group of feature classes that share a common spatial reference.

Feature classes

A storage location for coordinates and feature attributes. Feature classes of the **geometry type** point, line or polygon. Attributes store information about these locations.

Attributes

These are the questions you ask about a location (feature). **Attribute fields** are where attribute values are stored. They are properties of a feature class and are of the

data type

short integer, long integer, float, double, text, date, blob or guid.

Attribute values

are the possible answers to those questions

Domains

Domains are the range or set of possible answers or attribute values for a feature class. They are critical in enforcing data integrity. Domains are of the **domain type** range or coded value. Note, although domains are properties of the geodatabase, they do not appear in the ArcCatalog tree.