

2.3 Taxonomic Views

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A [taxonomy](#) is a way of organizing things into useful and convenient classes. Each [class](#) can then be treated as an abstraction of the individual elements. For example, **Dog** is a class of **Animal**. Once an individual [entity](#) is classified as a **Dog**, generalizations can be made about what to expect from the individual entity.

There can be many taxonomies that classify entities. In the above taxonomy, there is class called **Dog**, however, the class can also be part of a different taxonomies such as role where the dog can be classified as “pet” or “working” and within **working** it can be further classified a **herding**, **guard**, or **tracking**.

For example, one taxonomic classification places an individual in the animal kingdom; however, another taxonomy classifies an individual according to their state of employment (working, retired, etc.). Each is valid; the only difference is perspective.

The DIDO RA employs the following taxonomies:

- [2.3.1 Network Topology Taxonomy](#)
- [2.3.2 Network Access Control Taxonomy](#)
- [2.3.3 Node Taxonomy](#)
- [2.3.4 Data Taxonomy](#)
- [2.3.5 Digital Assets](#)

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