|  |
| --- |
| Circle Language Spec: System Objects |

## Object-Bound & Reference Bound Aspects

When controlling system aspects, it is important to realize that some aspects are bound to an object, while other aspects are bound to a reference.

Object-bound aspects are controlled by an object. The object also controls its sub-objects’ reference-bound aspects. Therefore *reference-bound* aspects can also be called *sub-object-bound* aspects.

The following aspects are object-bound:

- Value

- Class

- Execute

- Clone

- Data

- List

The following aspects are reference-bound (or *sub-object-bound*):

- Reference

- Object

- Existence

- Class

- Name

The Class aspect is both object-bound as well as reference-bound.

Understanding that some aspects are object-bound is important, for instance because it makes sure that object-bound aspects are protected by the object and not all of a sudden become unprotected through another reference.

An object controls its object-bound aspects as well as its sub-objects’ reference-bound aspects.