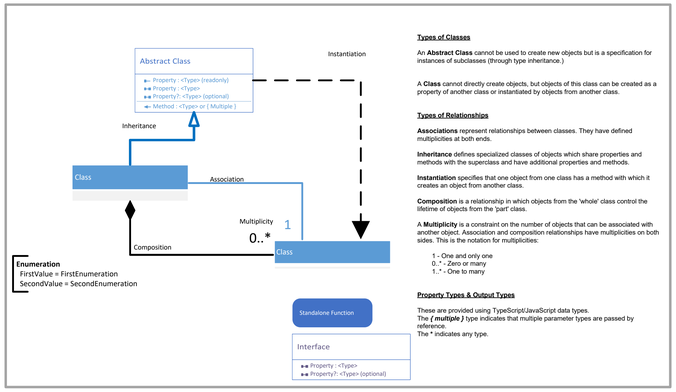
ArcGIS Maps SDK for JavaScript 5.2
Networks

©2026 ESRI. All rights reserved. ESRI and ArcGIS are trademarks, registered trademarks, or service marks of ESRI in the United States, the European Community, or certain other jurisdictions.



Types of Classes

An **Abstract Class** cannot be used to create new objects but is a specification for instances of subclasses (through type inheritance.)

A **Class** cannot directly create objects, but objects of this class can be created as a property of another class or instantiated by objects from another class.

Types of Relationships

Associations represent relationships between classes. They have defined multiplicities at both ends.

Inheritance defines specialized classes of objects which share properties and methods with the superclass and have additional properties and methods.

Instantiation specifies that one object from one class has a method with which it creates an object from another class.

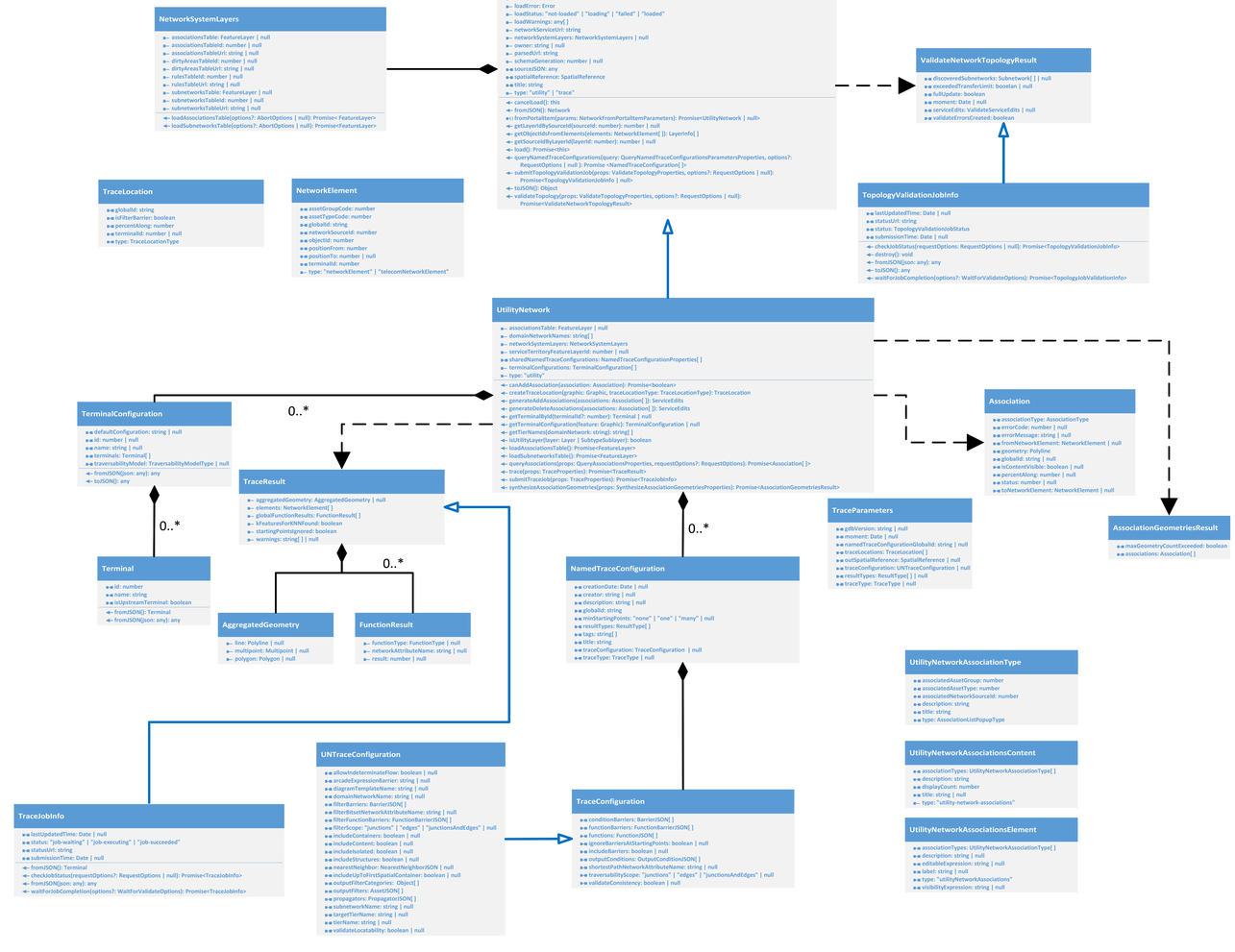
Composition is a relationship in which objects from the 'whole' class control the lifetime of objects from the 'part' class.

A **Multiplicity** is a constraint on the number of objects that can be associated with another object. Association and composition relationships have multiplicities on both sides. This is the notation for multiplicities:

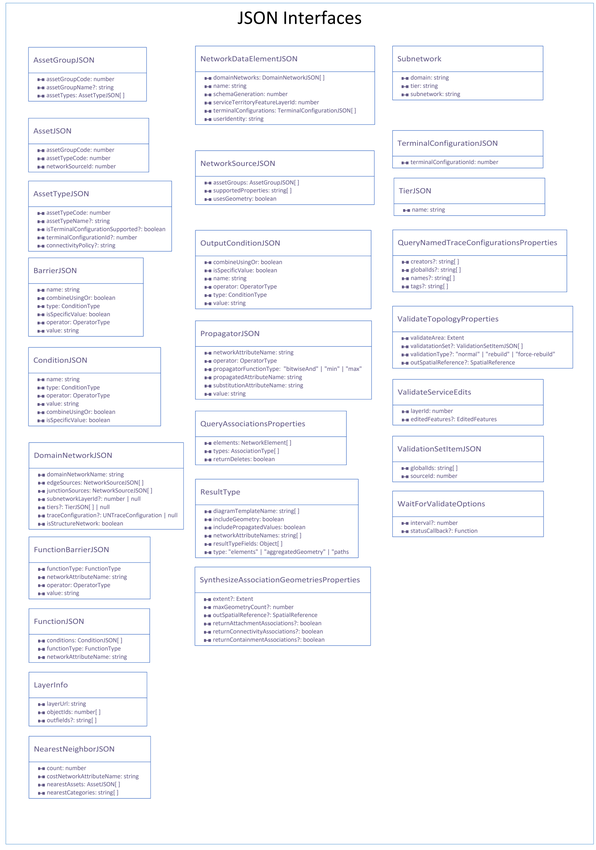
1 - One and only one
0..* - Zero or many
1..* - One to many

Property Types & Output Types

These are provided using TypeScript/JavaScript data types.
The ***{ multiple }*** type indicates that multiple parameter types are passed by reference.
The ***** indicates any type.



JSON Interfaces

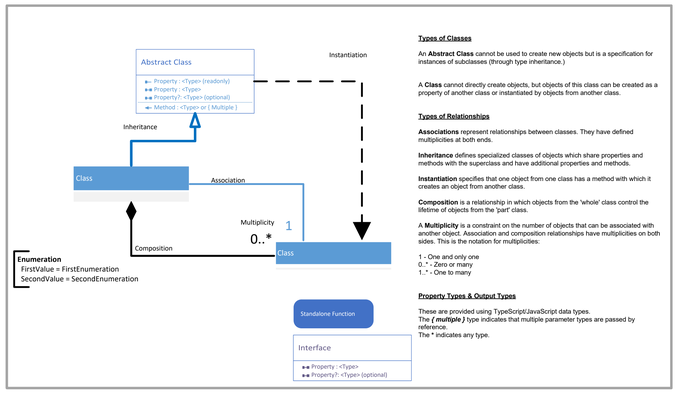


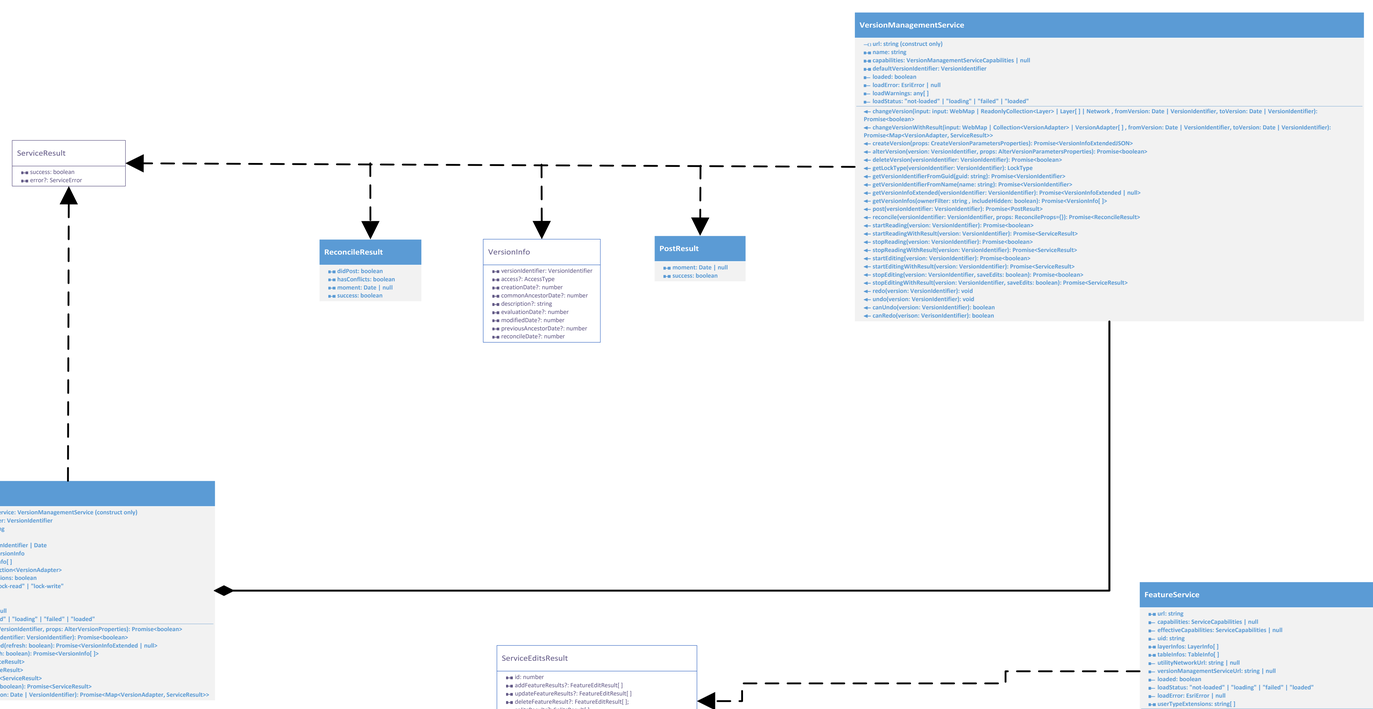
Types



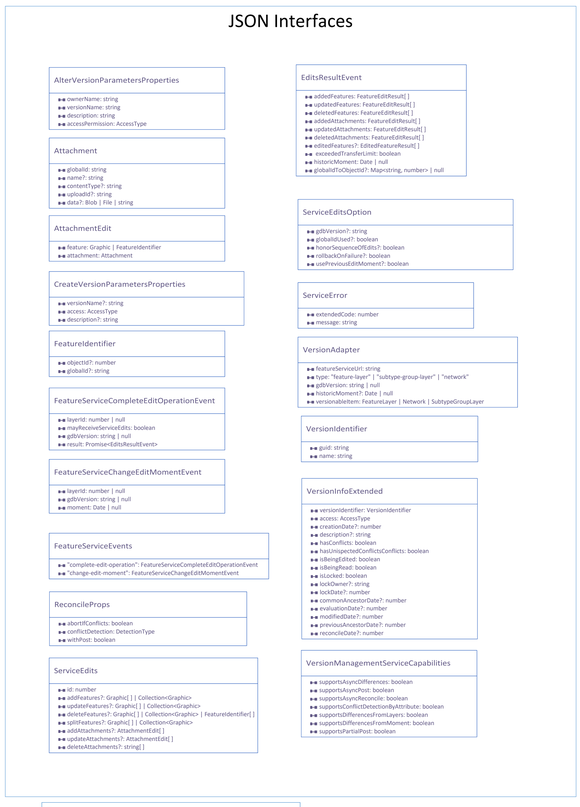
ArcGIS Maps SDK for JavaScript 5.2
Geodatabase

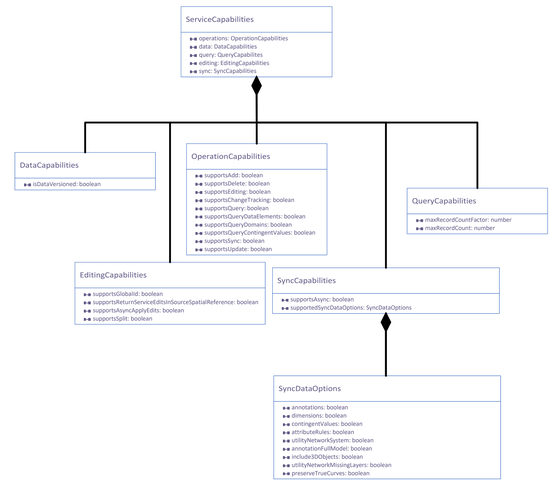
©2026 ESRI. All rights reserved. ESRI and ArcGIS are trademarks, registered trademarks, or service marks of ESRI in the United States, the European Community, or certain other jurisdictions.





JSON Interfaces





ArcGIS Maps SDK for JavaScript 5.2
Utility Network Components

Â©2026 ESRI. All rights reserved. ESRI and ArcGIS are trademarks, registered trademarks, or service marks of ESRI in the United States, the European Community, or certain other jurisdictions.

