

## ExtendScript reflection interface

ExtendScript provides a reflection interface that allows you to find out everything about an object, including its name, a description, the expected data type for properties, the arguments and return value for methods, and any default values or limitations to the input values.

### Reflection object

Every object has a `reflect` property that returns a `reflection` object that reports the contents of the object. You can, for example, show the values of all the properties of an object with code like this:

```
var f = new File ("myfile");
var props = f.reflect.properties;
for (var i = 0; i < props.length; i++) {
    $.writeln('this property ' + props[i].name + ' is ' + f[props[i].name]);
}
```

### Reflection object properties

All properties are read only.

<b>description</b>	String	Short text describing the reflected object, or <code>undefined</code> if no description is available.
<b>help</b>	String	Longer text describing the reflected object more completely, or <code>undefined</code> if no description is available.
<b>methods</b>	Array of ReflectionInfo	An Array of <a href="#">ReflectionInfo object</a> s containing all methods of the reflected object, defined in the class or in the specific instance.
<b>name</b>	String	The class name of the reflected object.
<b>properties</b>	Array of ReflectionInfo	An Array of <a href="#">ReflectionInfo object</a> s containing all properties of the reflected object, defined in the class or in the specific instance. For objects with dynamic properties (defined at runtime) the list contains only those dynamic properties that have already been accessed by the script. For example, in an object wrapping an HTML tag, the names of the HTML attributes are determined at run time.

### Reflection object functions

```
find()
reflectionObj.find (name)
```

*name*                      The property for which to retrieve information.

Returns the [ReflectionInfo object](#) for the named property of the reflected object, or `null` if no such property exists.

Use this method to get information about dynamic properties that have not yet been accessed, but that are known to exist.