

Proxies in Action



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Overview



Proxies in Action

- Use-cases for Proxies
- Using class traps
- Using property traps
- Using extensibility traps



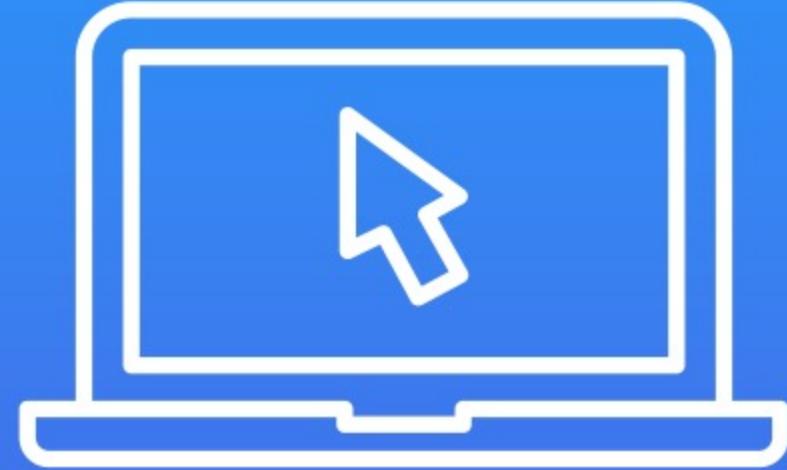


Proxies on classes

- You can create a proxy for a class
- This is for the ‘Type’
- Basically just a constructor function
- Key is the **construct** trap
- Useful for returning an instance proxy

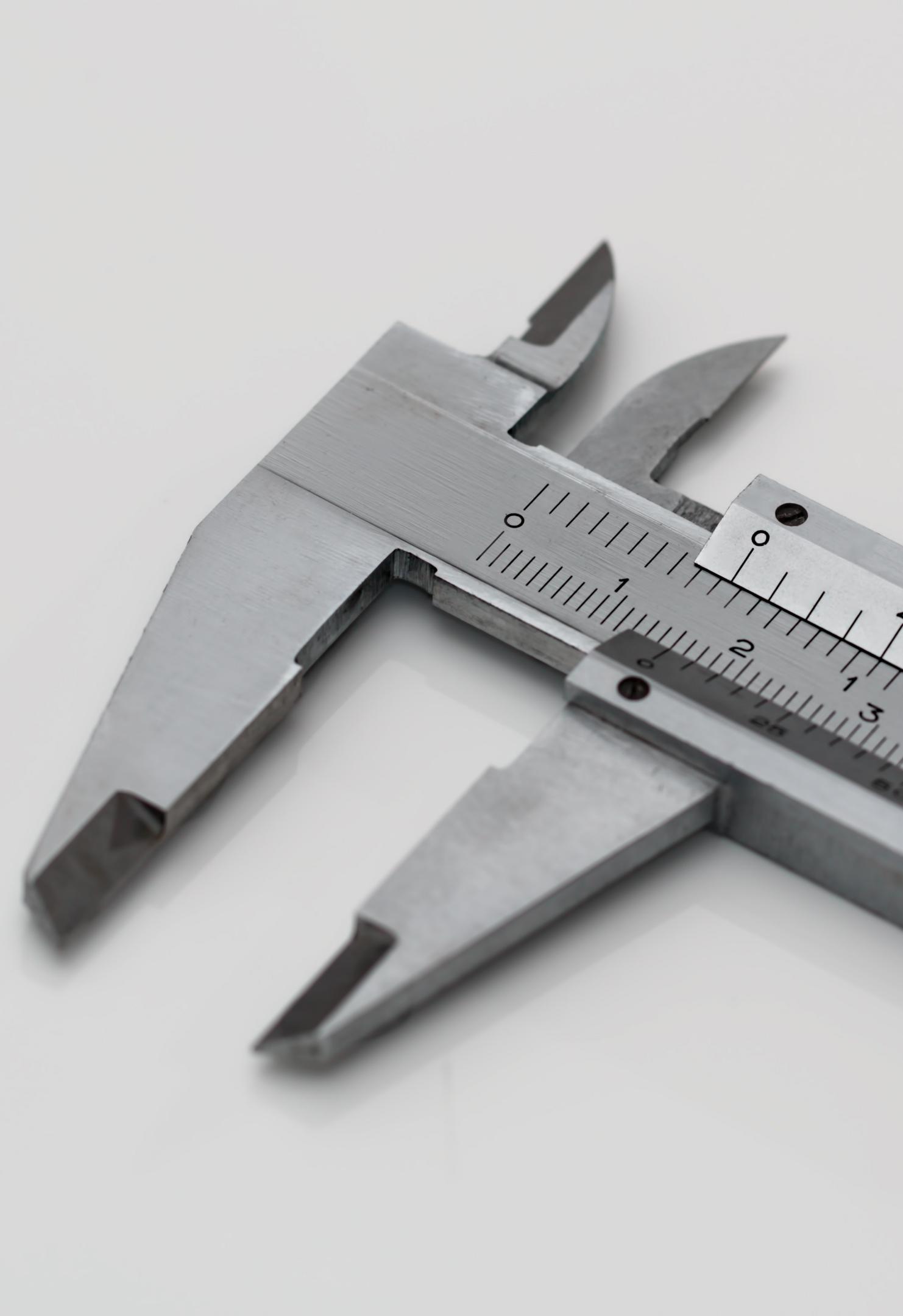


Demo



The construct trap





Property Definitions

- Can control definition and deletion
- Useful for controlling naming rules
- Also, useful for preventing deletion



Demo



Dealing with Properties





Trapping Extensibility

- Useful for controlling change
- Can protect extending object contracts
- Less common use of proxies



Demo



The Extensibility Traps





Function Throttling

- Common scenario for using a proxy
- Can protect execution
- Useful to prevent hammering an API



Demo



Function Throttling





What are Revocable Proxies?

- Supports short term proxies
- Reduces footprint once revoked



Demo



Revocable Proxies





Limitations of Proxies

- Incomplete poly-fill for older browsers
- Not able to detect a proxy
- Proxies can be a drag on performance



Where are we?



There are common use-cases for proxies



There are traps for all sorts of different operations



There are limitations on Proxies, so you should use them sparingly



Up Next:

Simplifying Proxies with Reflect

