Ruby Metaclasses Singleton, Eigen and Ghost Classes

How to do your head in.

Singleton Methods

- Defined on an instance of a class
- Held in a virtual class

Singleton Methods

foo = Foo.new

def foo.bar puts 'bar' end

foo.bar # => bar

- Defined on a class
- Held in a virtual class

class Cat

def self.says
'Meow'
end

end

- Why is it held in a virtual class?
- Cat is an instance of Class

Instance Methods

- Defined on a class
- Held in the class

```
class Cat
```

```
def meow
'meow meow !!!'
end
```

end

instance_eval

- Used on an instance of a class to create a singleton method
- Used on a class to create a class method

class_eval

Used on a class to create an instance method

Cat

Cat

Instance of Cat

Cat Inherits methods from Cat Instance of Cat





