

Neo4j.rb Screencast Series

Episode 2 Properties

Product

name: Doll

price: 3.50

weight: 5.2

Product

name: Notebook

price: 2.50

weight: 2.7

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   property :title
7 end
```

```
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
```

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   property :title
7 end
8
9 asset = Asset.new
10 asset.title = 'Widget'
11
12 asset # => #<Asset uuid: nil, title: "Widget">
```

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
14
15
16
17
18
19
20
21
22
23
24
25
26
27
```

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title, index: _
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
```



```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title, index: :exact
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
14
15
16
17
18
19
20
21
22
23
24
25
26
27
```

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title, constraint: :unique
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
14
15
16
17
18
19
20
21
22
23
24
25
26
27
```

NORMAL > master <sset.rb[+] < ruby < utf-8[unix] < 18% : 7: 38 < ! trailing[38]


```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title, default: 'Cog'
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
```

15
—

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title, default: 'Cog'
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
14
15 asset2 = Asset.new
16
17 asset2 # => #<Asset code: nil, title: "Cog">
18
19
20
21
22
23
24
25
26
27
```

```
1 require './config/environment'
2
3 class Asset
4   include Neo4j::ActiveNode
5
6   id_property :code
7   property :title, type: Integer
8 end
9
10 asset = Asset.new
11 asset.title = 'Widget'
12
13 asset # => #<Asset code: nil, title: "Widget">
14
15
16
17
18
19
20
21
22
23
24
25
26
27
```

NORMAL > master <asset.rb[+] < ruby < utf-8[unix] < 20% : 7: 32 < ! trailing[3]


```

1 require './config/environment'
2
3 class RationalConverter
4   class << self
5     def primitive_type; String; end
6
7     def convert_type; Rational; end
8
9     def to_db(value)
10      "#{value.numerator}/#{value.denominator}"
11    end
12
13    def to_ruby(value)
14      value && Rational(value)
15    end
16    alias_method :call, :to_ruby
17  end
18  include Neo4j::Shared::Typecaster
19 end
20
21 class Asset
22   include Neo4j::ActiveNode
23
24   id_property :code
25   property :title, type: Integer
26   property :pri_
27 end

```

```

INSERT > master > <asset.rb[+] < ruby < utf-8[unix] < 48% : 26: 16 < ! trailing[3]
-- INSERT --

```

```
1 require './config/environment'
2
3 class RationalConverter
4   class << self
5     def primitive_type; String; end
6
7     def convert_type; Rational; end
8
9     def to_db(value)
10      "#{value.numerator}/#{value.denominator}"
11    end
12
13    def to_ruby(value)
14      value && Rational(value)
15    end
16    alias_method :call, :to_ruby
17  end
18  include Neo4j::Shared::Typecaster
19 end
20
21 class Asset
22   include Neo4j::ActiveNode
23
24   id_property :code
25   property :title, type: Integer
26   property :price, type: Rational_
27 end
```

```
INSERT > master > <asset.rb[+] < ruby < utf-8[unix] < 48% : 26: 34 < ! trailing[3]
-- INSERT --
```



```
8
9  def to_db(value)
10    "#{value.numerator}/#{value.denominator}"
11  end
12
13  def to_ruby(value)
14    value && Rational(value)
15  end
16  alias_method :call, :to_ruby
17 end
18 include Neo4j::Shared::Typecaster
19 end
20
21 class Asset
22   include Neo4j::ActiveNode
23
24   id_property :code
25   property :title, type: Integer
26   property :price, type: Rational
27 end
28
29 asset = Asset.new
30 asset.title = 10
31 asset.price = 3.50
32
33 asset # => #<Asset code: nil, title: 10>
34
```

```

14     value && Rational(value)
15   end
16   alias_method :call, :to_ruby
17 end
18 include Neo4j::Shared::Typecaster
19 end
20
21 class Asset
22   include Neo4j::ActiveNode
23
24   id_property :code
25   property :title, type: Integer
26   property :price, type: Rational
27 end
28
29 asset = Asset.new
30 asset.title = 10
31 asset.price = 3.50
32 asset.save
33
34 asset._persisted_obj.props # =>
35
36 asset # => #<Asset code: nil, price: (7/2), title: 10>
37
38
39
40

```

```

18 include Neo4j::Shared::Typecaster
19 end
20
21 class Asset
22   include Neo4j::ActiveNode
23
24   id_property :code
25   property :title, type: Integer
26   property :price, type: Rational
27
28   property :details
29   serialize :details
30 end
31
32 asset = Asset.new
33 asset.title = 10
34 asset.price = 3.50
35 asset.details = {size: 'Large'}
36 asset.save
37
38 asset._persisted_obj.props # => {:uuid=>"16a69429-127f-4392-b378-dd57df3cd956", :title=>10, :price=>"7/2", :details=>{"size"=>"Large"}}
39
40 asset # => #<Asset code: nil, details: {"size"=>"Large"}, price: (7/2), title: 10>
41
42
43

```



```

21 class Asset
22   include Neo4j::ActiveNode
23
24   id_property :code
25   property :title, type: Integer
26   property :price, type: Rational
27
28   property :details
29   serialize :details
30
31   property :created_at
32   property :updated_at
33 end
34
35 asset = Asset.new
36 asset.title = 10
37 asset.price = 3.50
38 asset.details = {size: 'Large'}
39 asset.save
40
41 asset._persisted_obj.props # => {:uuid=>"560e06a7-bed1-4211-839f-f122c2853360", :title=>10, :price=>"7/2", :details=>{"size":"Large"}, :created_at=>1435878244, :updated_at=>1435878244}
42
43 asset # => #<Asset code: nil, created_at: Thu, 02 Jul 2015 23:04:04 +0000, details: {"size"=>"Large"}, price: (7/2), title: 10, updated_at: Thu, 02 Jul 2015 23:04:04 +0000>

```

NORMAL > master <sset.rb[+] < ruby < utf-8[unix] < 47% : 32: 22 < ! trailing[21]