

SchemaPlus

enhanced capabilities for schema definition and querying

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History

Simon Harris / harukizaemon

redhillonrails_core (2006, 2009)

foreign_key_migrations => automatic_foreign_key

schema_plus (2011)

Goals

solid base

well-tested

well-documented

better name :)

Plain ActiveRecord

```
create_table :comments do |t|
  t.text :body
  t.integer :post_id
  t.integer :author_id
end
execute "ALTER TABLE comments ADD FOREIGN KEY (post_id) \
REFERENCES (posts) "
execute "ALTER TABLE comments ADD FOREIGN KEY (author_id) \
REFERENCES (users) "
add_index :comments, :post_id
```

With schema_plus

```
create_table :comments do |t|  
  t.text :body  
  t.integer :post_id, :index => true  
  t.integer :author_id, :references => :users  
end
```

auto-index foreign keys

```
# without auto_index  
t.integer :post_id, :index => true
```

```
# with auto_index  
t.integer :post_id
```

index

```
t.string :area_code  
t.string :local_number,  
  :index => { :unique => true, :with => :area_code }
```

Other features

global, per table and per statement config

expressional indexes

views

SchemaAssociations

```
# without schema associations  
class Post < ActiveRecord::Base  
  belongs_to :author  
  has_many :comments  
end
```

SchemaAssociations

```
# without schema associations  
class Post < ActiveRecord::Base  
  # associations auto-created from foreign keys  
end
```

SchemaValidations

```
create_table :posts do |t|  
  t.integer :author_id, :null => false, :references => :users  
  t.integer :likes_count  
  t.string :content, :limit => 5_000  
end
```

SchemaValidations

```
# without schema validations  
class Post < ActiveRecord::Base  
  validates :author, :presence => true  
  validates :likes_count, :numericality => true  
  validates :content, :length => { :maximum => 5_000 }  
end
```

SchemaValidations

```
# with schema_validations  
class Post < ActiveRecord::Base  
end
```

Schema Family

Scary?

...but that's next step for active record pattern

Questions

<http://github.com/lomba>