

Es gibt nur TextMate!

NetBeans Ruby IDE 6.0

Agenda

— [Texteditor vs. IDE

— [Ruby/Rails IDEs

— [Wieso NetBeans?

— [NetBeans Übersicht

— [NetBeans Features (mit Demo)

— [Fazit

Texteditor vs. IDE

— [Vollständige Integration aller Entwicklungstools
(IntegratedDevelopmentEnvironment)

— Texteditor

— Interpreter (oder Compiler und Linker)

— Debugger

— Code Dokumentation

— Versionsverwaltung

— Projektmanagement

— Testing

— Datenbankverwaltung

Texteditor vs. IDE

- UML Modellierung
- Refactorings
- Code Navigator
- Code Vervollständigung
- GUI Designer
- ...

— [*Ziel:* ein einziges Programm zur Softwareentwicklung

Ruby/Rails IDEs

— [3rdRails von CodeGear (Borland) - \$299

— [IntelliJ Idea 7 - \$249

— [Ruby In Steel Developer (basiert auf Visual Studio) - \$199

— [Aptana (ehemals RadRails) - free

— [NetBeans 6.0 - free

— [weitere ...

Wieso NetBeans?

— [Funktionsumfang aller IDEs ähnlich

— [NetBeans ist open source

— [Läuft auf Mac/Linux/Win

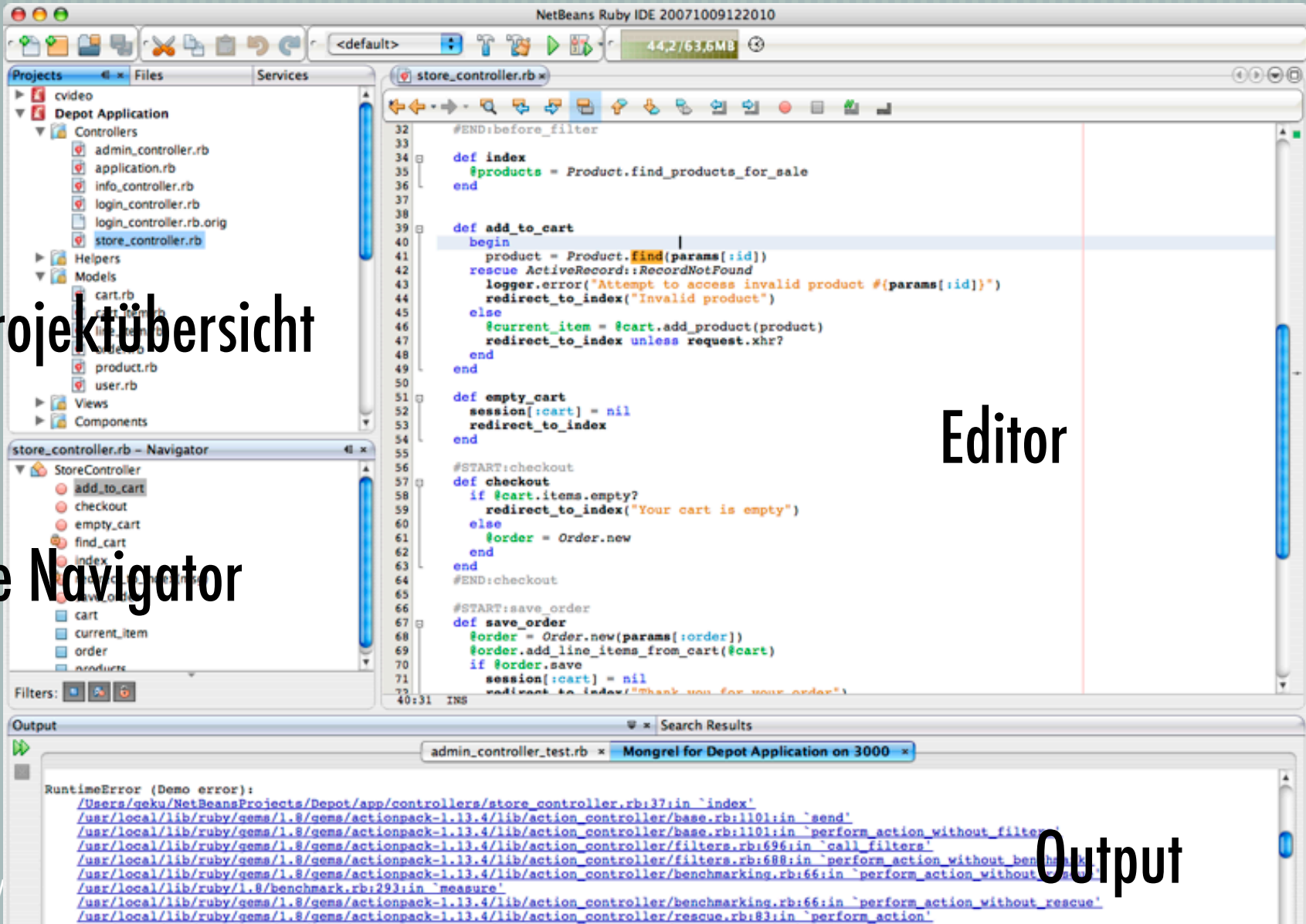
— [Durch Standalone Version nicht viel „JAVA IDE“ Ballast

— [SUN hat viel Erfahrung durch JRuby

— [Fühlt sich am besten an!

— [Auswahl ist Geschmacksache

NetBeans Übersicht



NetBeans Features

— [Code Vervollständigung

— [Code Dokumentation

— [Navigation im Code

— [Debugger

— [Suche im Code

— [Konsole

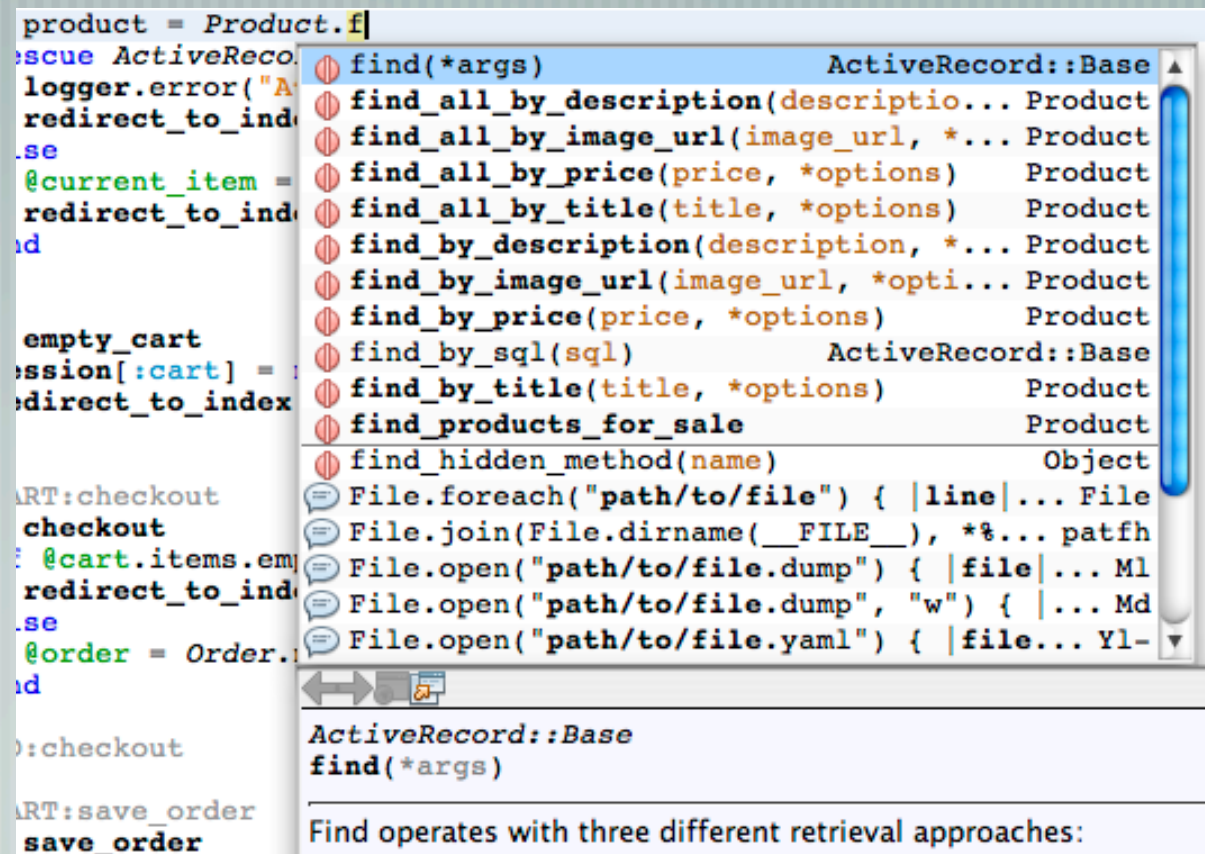
— [Integration von Tools

Code Vervollständigung

Normaler Ruby Code
Rails Model / Controller
ERB und RJS

Noch nicht perfekt
— extend
— define_method
— etc.

Probleme mit Plugins



The screenshot shows a Ruby IDE window with a code editor on the left and a completion popup on the right. The code editor contains the following snippet:

```
product = Product.f  
rescue ActiveReco  
logger.error("A  
redirect_to_ind  
se  
@current_item =  
redirect_to_ind  
nd  
  
empty_cart  
ession[:cart] =  
redirect_to_index  
  
ART:checkout  
checkout  
@cart.items.em  
redirect_to_ind  
se  
@order = Order.  
nd  
  
:checkout  
  
ART:save_order  
save_order
```

The completion popup lists various methods from the ActiveRecord::Base class:

- find(*args) ActiveRecord::Base
- find_all_by_description(description... Product
- find_all_by_image_url(image_url, *... Product
- find_all_by_price(price, *options) Product
- find_all_by_title(title, *options) Product
- find_by_description(description, *... Product
- find_by_image_url(image_url, *opti... Product
- find_by_price(price, *options) Product
- find_by_sql(sql) ActiveRecord::Base
- find_by_title(title, *options) Product
- find_products_for_sale Product
- find_hidden_method(name) Object
- File.foreach("path/to/file") { |line|... File
- File.join(File.dirname(__FILE__), *%... pathf
- File.open("path/to/file.dump") { |file|... Ml
- File.open("path/to/file.dump", "w") { |... Md
- File.open("path/to/file.yaml") { |file... Yl-

Below the list, the text "ActiveRecord::Base" and "find(*args)" are visible. At the bottom of the popup, it says "Find operates with three different retrieval approaches:"

Code Dokumentation

Anzeige der RDoc Dokumentation

The screenshot shows the NetBeans Ruby IDE with a code editor and a pop-up RDoc documentation window. The code editor displays the following code:

```
55 ]
56
57
58 validates_presence_of :name, :address, :email, :pay_type
59
60 validates_presence_of(*attr_names)
61 validates_presence_of :attribute
62 validates_presence_of :attribute, :if ... vpiif
```

The RDoc documentation window for `validates_presence_of(*attr_names)` is open, showing the following content:

ActiveRecord::Validations::ClassMethods
validates_presence_of(*attr_names)

Validates that the specified attributes are not blank (as defined by `Object#blank?`). Happens by default on save. Example:

```
class Person < ActiveRecord::Base
  validates_presence_of :first_name
end
```

The `first_name` attribute must be in the object and it cannot be blank.

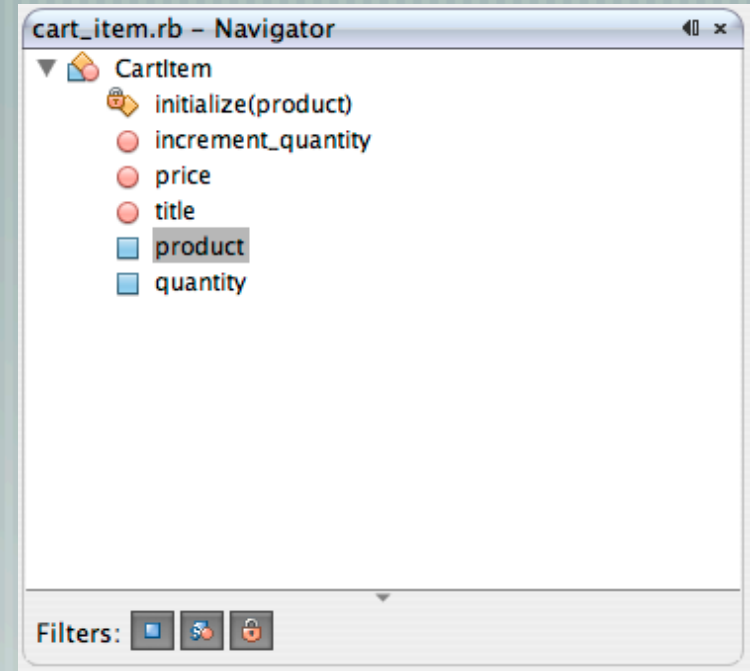
If you want to validate the presence of a boolean field (where the real values are true and false), you will want to use `validates_inclusion_of`:
`:field_name, :in => [true, false]` This is due to the way `Object#blank?` handles boolean values. `false.blank? # => true`

Configuration options:

- `message` - A custom error message (default is: "can't be blank")

Navigation im Code

Code Navigator



Navigation über Hyperlinks

```
48 has many :line_items
```

Switching zwischen Controller/View/Tests

Debugger

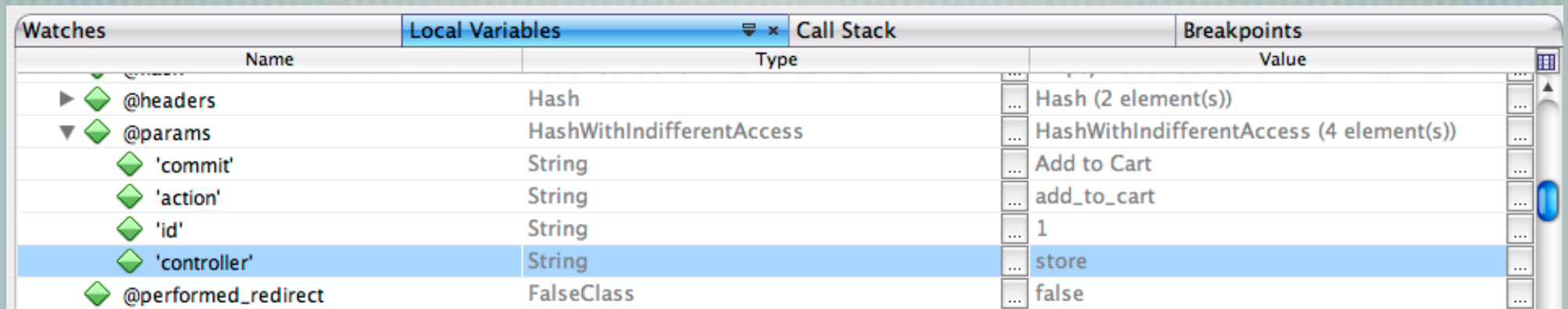
Breakpoints

Call Stack

Alle lokalen Variablen mit Werten

Watch list

OnMouseOver Anzeige von Werten



Name	Type	Value
▶ @headers	Hash	Hash (2 element(s))
▼ @params	HashWithIndifferentAccess	HashWithIndifferentAccess (4 element(s))
◆ 'commit'	String	Add to Cart
◆ 'action'	String	add_to_cart
◆ 'id'	String	1
◆ 'controller'	String	store
◆ @performed_redirect	FalseClass	false

Suche im Code

Extrem übersichtliche Darstellung

Search Results

Found 74 match(es) in 19 file(s).

- admin_controller.rb /Users/geku/NetBeansPr
 - @product = Product.find(params[:id])
 - @product = Product.find(params[:id])
 - @product = Product.find(params[:id])
 - Product.find(params[:id]).destroy [position 78:13]

```
60     else
61       @order = Order.new
62     end
63   end
64   #END:checkout
65
66   #START:save_order
67   def save_order
68     @order = Order.new(params[:order])
69     @order.add_line_items_from_cart(@cart)
70     if @order.save
71       session[:cart] = nil
72       redirect_to_index("Thank you for your order")
73     else
74       render :action => :checkout
75     end
76   end
77   #END:save_order
78   private
79
```

Find: order [Previous Next Match Case Whole W

61:8 INS 'order' found at 61:8

Konsole

— [Rails Console integriert

— [Log Output mit Hyperlinks

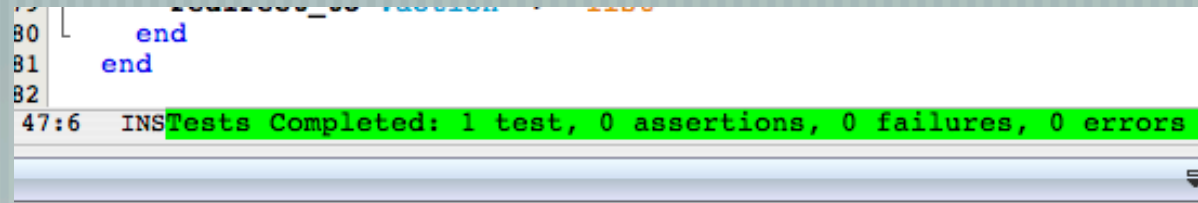


The screenshot shows the 'Output' window in NetBeans IDE. The window title is 'Output' and it contains a search bar with 'Search Results'. The main content area displays a stack trace for a 'RuntimeError (Demo error)'. The stack trace is as follows:

```
RuntimeError (Demo error):  
  /Users/geku/NetBeansProjects/Depot/app/controllers/store_controller.rb:37:in `index'  
  /usr/local/lib/ruby/gems/1.8/gems/actionpack-1.13.4/lib/action_controller/base.rb:1101:in `send'  
  /usr/local/lib/ruby/gems/1.8/gems/actionpack-1.13.4/lib/action_controller/base.rb:1101:in `perform_action_without_filters'  
  /usr/local/lib/ruby/gems/1.8/gems/actionpack-1.13.4/lib/action_controller/filters.rb:696:in `call_filters'  
  /usr/local/lib/ruby/gems/1.8/gems/actionpack-1.13.4/lib/action_controller/filters.rb:688:in `perform_action_without_benchmark'  
  /usr/local/lib/ruby/gems/1.8/gems/actionpack-1.13.4/lib/action_controller/benchmarking.rb:66:in `perform_action_without_rescue'  
  /usr/local/lib/ruby/1.8/benchmark.rb:293:in `measure'
```

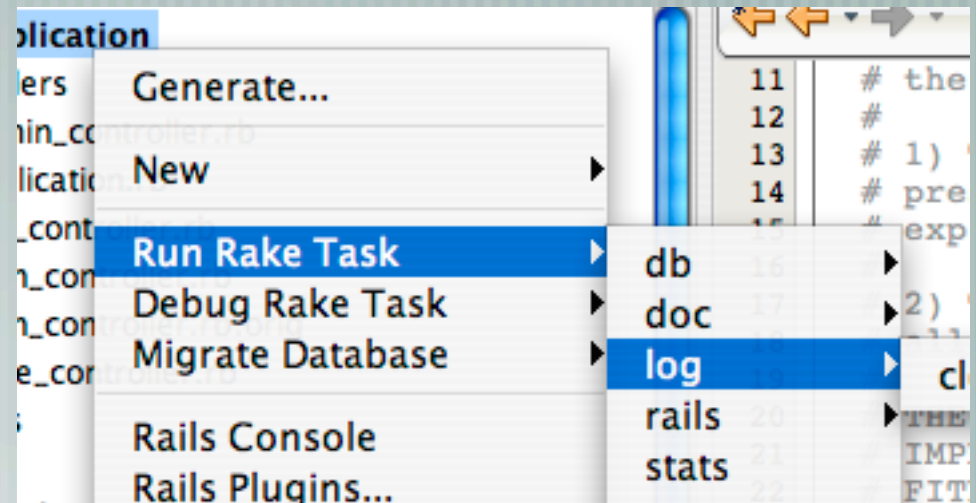
Integration von Tools

Unit/Functional Tests
(inkl. green bar)



```
80   end
81   end
82
47:6 INS Tests Completed: 1 test, 0 assertions, 0 failures, 0 errors
```

Integration RAKE und Script Tasks



Integration Subversion

Weitere Features

— [Anzeige von Syntaxfehlern / unbenutzten Variablen

— [Grundlegende Refactorings

— [Server start/stop

— [Makros

— [Code Templates (wie ähnlich TextMate)

— [„Go To File“ Dialog

— [GEM manager

Fazit

— [NetBeans integriert fast alle nötigen Entwicklungstools

— [Versucht nicht zu intelligent zu sein und schränkt einem dadurch nicht ein

— [Stabil trotz Beta

— [Ausprobieren und dann entscheiden!

— [Download unter:

<http://deadlock.netbeans.org/hudson/job/ruby/>

Quellen

— [<http://www.netbeans.org/products/ruby/>

— [<http://wiki.netbeans.org/wiki/view/Ruby>

— [<http://lifeonrails.org/2007/8/30/netbeans-the-best-ruby-on-rails-ide>

— [<http://tnlessone.wordpress.com/2007/02/28/ruby-rails-ide-comparison-idea-netbeans-radrails/>

— [Weitere IDEs:

— <http://www.codegear.com/products/3rdrail>

— <http://www.jetbrains.com/idea/index.html>

— <http://www.sapphiresteel.com/>