

Getting Started with Nancy

A Sinatra-inspired framework for the .NET platform

Richard Cirerol
@richardcirerol



Do We Need Another Framework?

ASP.NET WebForms

- **Desktop model**
 - User and server controls
 - Page events
 - Simulates statefulness with ViewState
 - URI's based on file structure and extension (.aspx)

ASP.NET MVC

- **Model-View-Controller pattern**
 - Separate logic from presentation
 - Convention-based structures
 - Folder structure
 - Areas
 - Controllers
 - Views
 - Route (URI) structure
 - `/ {controller} / {action} / {id}`
 - `/ {area} / {controller} / {action} / {id}`
 - Applied in defined order

Why Nancy?

- **No folder/file structure requirements**
 - Does have conventions for locating files/classes
- **Routes are defined at the action**
 - Applied by using a most-specific algorithm
- **All conventions are overridable**
- **Ideal for:**
 - small-to-medium web applications
 - API projects

File...New Project: Hello Nancy

```
// Install-Package Nancy
// Install-Package Nancy.Hosting.Aspnet

using Nancy;
namespace HelloNancy
{
    public class HelloModule : NancyModule
    {
        public HelloModule ()
        {
            Get["/"] = p => "Hello from Pluralsight!";
        }
    }
}
```

Agenda

- Introduction
- NancyModule
- Extending NancyModules
- The NancyBootstrapper
- Views and View Engines
- Testing

Routes

Request

Response

Model Binding

Pipeline Hooks

Deserializers

NDjango

Razor

Spark

dotLiquid

Dependency Injection

Tinyloc

What is Nancy?

The Sinatra framework inspired the creators of the Nancy framework.

Sinatra

README
DOCUMENTATION
CONTRIBUTE
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Put this in
your pipe

```
require 'sinatra'

get '/hi' do
  "Hello world!"
end
```

and smoke it

```
$ gem install sinatra
$ ruby -rubygems hi.rb
== Sinatra has taken the stage ..
>> Listening on 0.0.0.0:4567
```

[<http://www.sinatrarb.com>]

[<https://github.com/sinatra/sinatra>]

What is Nancy?

The Nancy framework was inspired by the Sinatra framework.



[<http://nancyfx.org>]

[<https://github.com/nancyfx/nancy>]

What is Nancy?

“Nancy is a lightweight, low-ceremony framework for building HTTP-based services on .Net and Mono. The goal of the framework is to stay out of the way as much as possible and provide a super-duper-happy-path to all interactions.”

[<https://github.com/NancyFx/Nancy/wiki/Introduction>]

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The Super-duper Happy Path

It just works


Easily customizable

Low ceremony

Low fr



http://nancyfx.org



NANCY

Install

```
PM> Install-Package Nancy
```

Write

```
using Nancy;

public class SampleModule : NancyModule
{
    public SampleModule()
    {
        Get("/") = _ => "Hello World!";
    }
}
```

Go !

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