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**Nitrogen - Web Framework for Erlang**

# Getting Started

## Is there a Nitrogen Tutorial?

Yes! You can view the updated slides from Rusty's Nitrogen Tutorial at the Erlang User Conference 2010 here.

http://nitrogenproject.com/doc/tutorial.html

## How do I create a new Nitrogen application?

If you don't see a package that will run on your computer, or you want to try running from the latest code in source control, then follow the steps below:

Pull the latest source code from GitHub:

**mkdir ~/erltk/nitrogen**

**cd ~/erltk/nitrogen**

**git clone https://github.com/nitrogen/nitrogen**

Then run:

**make rel\_inets**

This creates a completely self-contained starter application under ./rel/nitrogen that runs on **Inets, Erlang's built in HTTP server**. "Self-contained" here means that the ./rel/nitrogen directory contains everything you need to develop and run nitrogen, including the Erlang VM. To create a .tar.gz version of this code, exactly like you would find on the Downloads page (<http://nitrogenproject.com/downloads>), run:

http://downloads.nitrogenproject.com.s3.amazonaws.com/2.2.2/linux/nitrogen-2.2.2-inets.tar.gz

**make package\_inets**

You can also run Nitrogen with Mochiweb, Yaws, Cowboy, or Webmachine. Run one of the following make commands:

make rel\_cowboy

make rel\_mochiweb

make rel\_webmachine

make rel\_yaws

## How do I add Nitrogen to an existing Erlang application?

## How do I start and stop my application?

## How do I change configuration settings?

## Where is the code for my website?

## How do I compile my code?

## How do I create new pages, custom elements, or custom actions?

## How do I make a mobile version?

## How do I work with Nitrogen Plugins?

## How do I upgrade to a new version of Nitrogen?

## What do I do if I run into errors? How do I troubleshoot?

# Introduction to Nitrogen

A step-by-step introduction to the major features and concepts behind the Nitrogen Web Framework.

http://nitrogenproject.com/doc/tutorial.html

Agenda

Part 1: Install & Run Nitrogen

Part 2: Nitrogen Pages

Part 3: Nitrogen Elements

Part 4: Nitrogen Actions

Part 5: Nitrogen Postback Events

Part 6: Session and Page State

Part 7: Security

Part 8: Validation

Part 9: Comet

Part 10: Extending Nitrogen

Conclusion

## Part 1: Install & Run Nitrogen

### Install Nitrogen

If you don't have Erlang Installed:

Download Nitrogen (http://nitrogenproject.com/downloads), unzip and cd nitrogen.

If you do have Erlang installed:

Pull the Nitrogen Source Code(http://github.com/nitrogen/nitrogen), then make rel\_inets; cd rel/nitrogen.

### Run the Website

### A Tour Through the Files

## Part 2: Nitrogen Pages

## Part 3: Nitrogen Elements

## Part 4: Nitrogen Actions

## Part 5: Nitrogen Postback Events

## Part 6: Session and Page State

## Part 7: Security

## Part 8: Validation

## Part 9: Comet

## Part 10: Extending Nitrogen

## Conclusion

# API

# Elements

# Actions

# Validators

# Handlers

# Configuration Options

# Plugins

# Mobile

# Troubleshooting

# References

## github-nitrogen

https://github.com/nitrogen

https://github.com/nitrogen/nitrogen

## nitrogenproject.com

<http://nitrogenproject.com/>

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