Achieving Continuous Delivery nirvana on the Microsoft stack

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How to apply the principles and techniques of Continuous Deployment in practice while using .NET
By fully automating the packing and installation of a web app built on .NET
...and making it run continuously every time someone commits code
Conway’s Game of Life

An implementation of Conway’s Game of Life as a web app built in .NET
Microsoft PowerShell

The definitive, object-based administrative framework for Windows.
TeamCity by JetBrains

An extensible and user friendly Continuous Integration server for multiple platforms.
What is Continuous Deployment?

A technique that’s part of the concept of Continuous Delivery.
The practice of automating the process of releasing software from where it’s being developed to where it can actually be used.

...and that is?
Typically, it involves automating the entire production pipeline, from building and testing, to packing and deployment.
FAST

FEEDBACK

CYCLES
Features can be put into the hands of your users quickly and without human intervention.
Why automating deployment?

- Arcane MSI packages
- Biblical installation how-tos
- Snowflakes
- Understandable install scripts
- Repeatable environments
- Valuable time to do other stuff
The CD pipeline

Source repo → Build server → Test env

- Compile
- Package
- Test

99%
100%

Deploy!
Takeaways

+ Understand
  the environment in which the system is going to operate.

+ Collaborate
  with the IT people responsible for keeping it running.

+ Automate
  as much as possible of the delivery process.
Learn more

- **Case**: On the Road to Continuous Delivery

- **Book**: Continuous Delivery

- **Demo**: Conway’s Game of Life
Contact me

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