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Achieving Continuous Delivery nirvana on the Microsoft stack

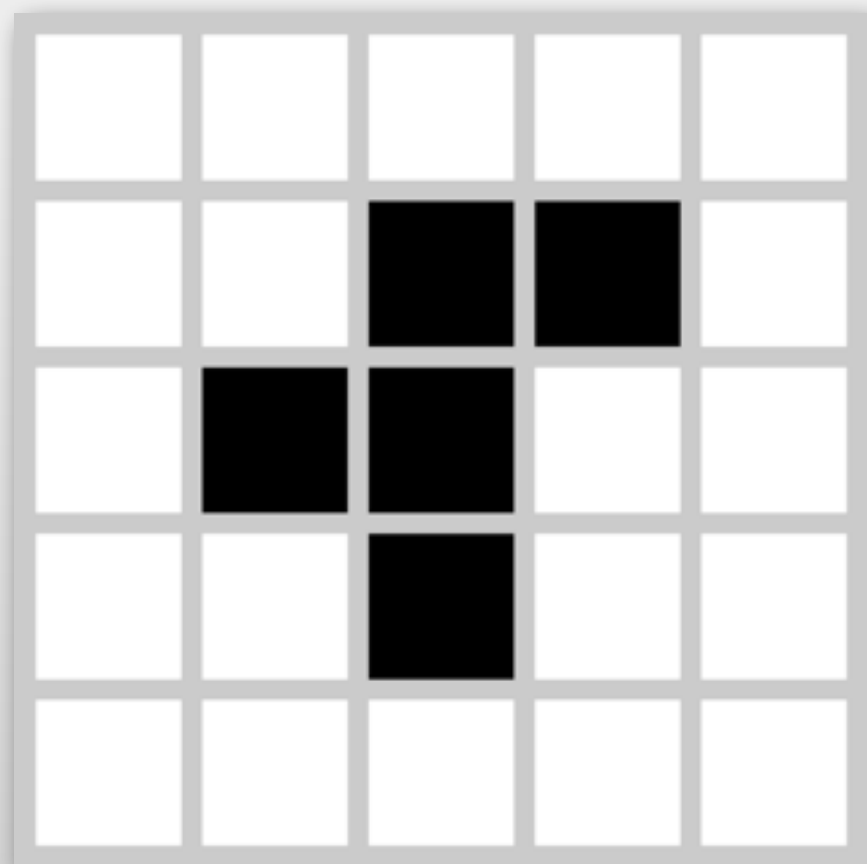Enrico Campidoglio

@ecampidoglio

How to apply the principles and techniques of
Continuous Deployment
in practice while using .NET

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By fully **automating** the
packing and installation of
a web app built on .NET

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...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

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Microsoft PowerShell

The definitive, object–based administrative framework for Windows.

TeamCity by JetBrains

An extensible and user friendly Continuous Integration server for multiple platforms.

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What is Continuous Deployment?

A technique that's part of the concept of
Continuous Delivery.

...and that is?

The practice of automating the process of
releasing software
from where it's being developed
to where it can actually be used.

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How?

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

FAST

FEEDBACK

CYCLES

Why?

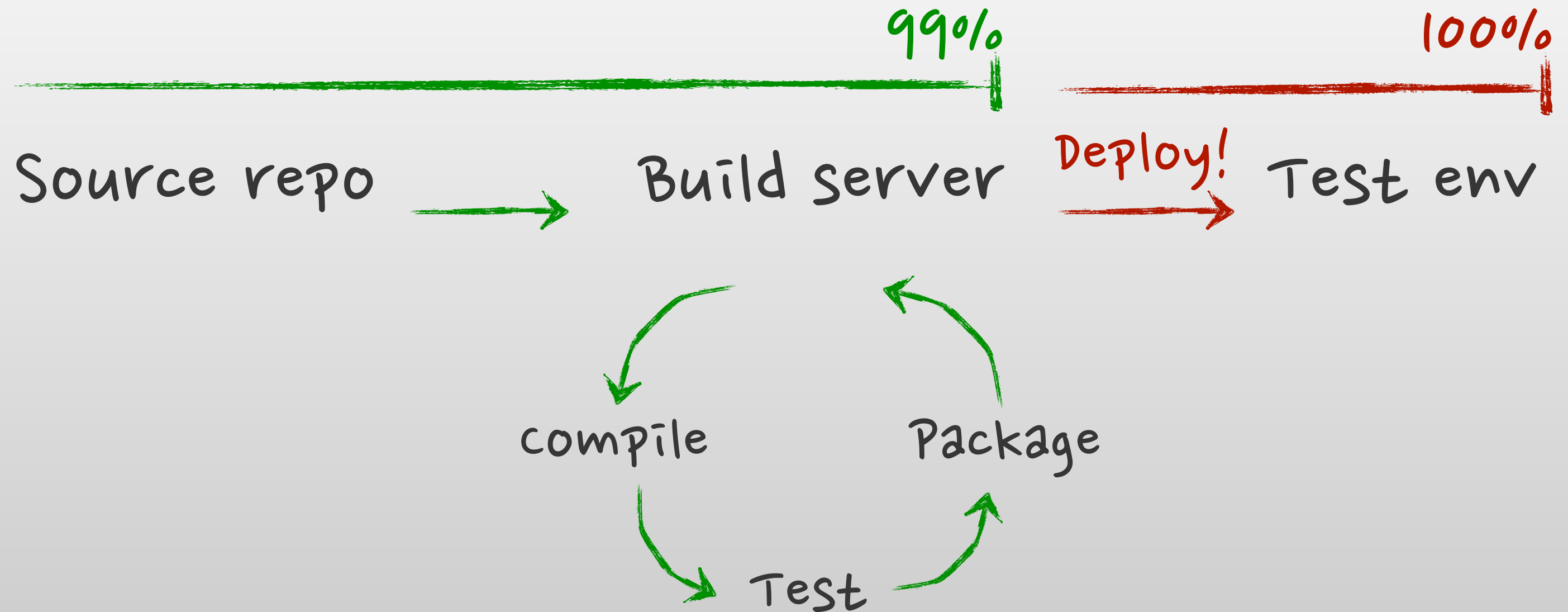Features can be put
into the hands of your users
quickly and without human ~~intervention.~~
errors

Why automating deployment?

+ Arcane MSI packages

+ Biblical installation how-tos

+ Snowflakes

+ Understandable install scripts

+ Repeatable environments

+ Valuable time to do other stuff

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The CD pipeline

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

    http://bit.ly/cdsvt

+ Book: Continuous Delivery

    http://bit.ly/continuousdel

+ Demo: Conway's Game of Life

    http://bit.ly/bddgameoflife

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