

FUTURE DECODED

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IN PARTNERSHIP WITH:



CommunityDays.it

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NET01 - .NET Core CLI

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.NET Core Command Line Interface

- Linea di comando
 - cmd, powershell, bash
- Intero ciclo di sviluppo
- Cross platform
 - Windows, iOS, Linux (Ubuntu, debian, Fedora, openSuse, CentOS)
- Distribuito con .NET Core runtime
 - Installer, binari, dotnet-install script, docker
 - Side by side (multiversione)
- Perché?
 - Strumento base degli IDE
- File project.json

Sintassi

- Di forte ispirazione da altri strumenti
 - NodeJS
- Comandi «verb»
- Argomenti
- Opzioni
 - Versione lunga o breve: -t | --framework
- Tools pluggabili
 - By Microsoft o terze parti

Comandi

- New
 - Linguaggio: C#, F#
 - Tipologie: console, web, lib, xunittest
 - Eventualmente usare yeoman
- Restore
 - Sulla base di project.json
 - Nuget v3: cache
 - No powershell
- Build
 - Incremental compilation
 - Portable o self contained
 - Multi framework: .NET Core o .NET Framework
 - Multi runtime (osx, deb)
 - Script pre/post build

A nighttime cityscape featuring a multi-lane highway with long-exposure light trails from cars. In the background, several tall skyscrapers are illuminated, with one prominent tower having a distinctive curved, tapering design. A pedestrian bridge with railings and potted plants runs across the middle ground. The overall scene is a vibrant urban environment at night.

DEMO

Hello DotNet CLI

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Comandi

- Run
 - Compila e lancia
 - Multi target framework
 - Diverso da dotnet file.dll
- Test
 - Unit test, nunit o xunit
 - Motori installati via NuGet
 - Sezione testRunner in project.json
- Pack
 - Pacchetto nuget, con i simboli
- Publish
 - Deployment su cartella
 - Script pre/post publish

Tools

- Comandi aggiuntivi
 - Deploy mediante NuGet
 - Sostituiscono Powershell
- Usati e creati da Microsoft
 - Microsoft.Extensions.SecretManager.Tools
 - Microsoft.DotNet.Watcher.Tools
 - Microsoft.AspNetCore.Server.IISIntegration.Tools
 - Microsoft.EntityFrameworkCore.Tools
 - Microsoft.AspNetCore.Razor.Tools
 - Microsoft.Extensions.Caching.SqlConfig.Tools
- Terze parti
 - BundlerMinifier.Core
 - dotnet-publish-docker

A nighttime cityscape featuring several tall skyscrapers with illuminated windows. In the foreground, a multi-lane highway shows long-exposure light trails from cars, with red trails from taillights and white/yellow trails from headlights. An elevated walkway or bridge with railings and some greenery runs across the middle ground. The overall scene is a vibrant urban environment at night.

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Continuos testing

Creazione immagine Docker

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Creazione tool

- Console app
 - Nome: dotnet-qualcosa
- Argomenti e opzioni
 - Parsing manuale args
 - Tramite CommandLineApplication
- Accesso al domain model di progetto
 - Dipendenze
 - File
- Deploy e test tramite NuGet
 - Feed locale
 - Possibilità di Debug

A nighttime cityscape featuring several tall skyscrapers with illuminated windows. In the foreground, a multi-lane highway shows light trails from moving vehicles, with red trails from taillights and white/yellow trails from headlights. An elevated walkway or bridge with railings and some greenery runs across the middle ground. The image is split diagonally from the bottom left to the top right. The left side is a darker, more muted blue-toned version of the same scene, while the right side is the original, vibrant color image.

DEMO

Comandi personalizzati

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Vecchio e nuovo

- Ops: abbiamo reinventato la ruota
- Project.json vs .csproj
 - Configurazioni simili, solo un altro formato
 - Si tornerà al csproj
 - Probabilmente diventerà un packages.json
- dotnet vs msbuild
 - Funzionalità di build comuni
 - Resterà uno strumento per lo sviluppo
 - Probabilmente msbuild usato da dotnet

A night cityscape featuring several tall skyscrapers with illuminated windows. In the foreground, a multi-lane highway shows long-exposure light trails from vehicles, with red trails from taillights and white/yellow trails from headlights. A pedestrian bridge with a railing and some greenery is visible on the right side of the highway. The overall scene is a vibrant urban environment at night.

Domande?

Materiale su

<http://www.communitydays.it/>

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