How to Port Your .NET Applications to Linux

Using Mono Tools for Visual Studio

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What Is Mono?

SUSE® Linux Enterprise Mono Extension
Overview

- A .NET application framework that allows you to run .NET-based applications on SUSE Linux Enterprise Server
- Advantages
  - Run .NET applications on Linux (including ASP.NET)
  - Mainframe support for .NET applications
  - Performance and scalability advantages over Windows
  - Target Linux from Visual Studio
- Develop anywhere – Deploy anywhere
  - Includes a toolchain for Linux
  - Runtime is binary-compatible with .NET on Windows

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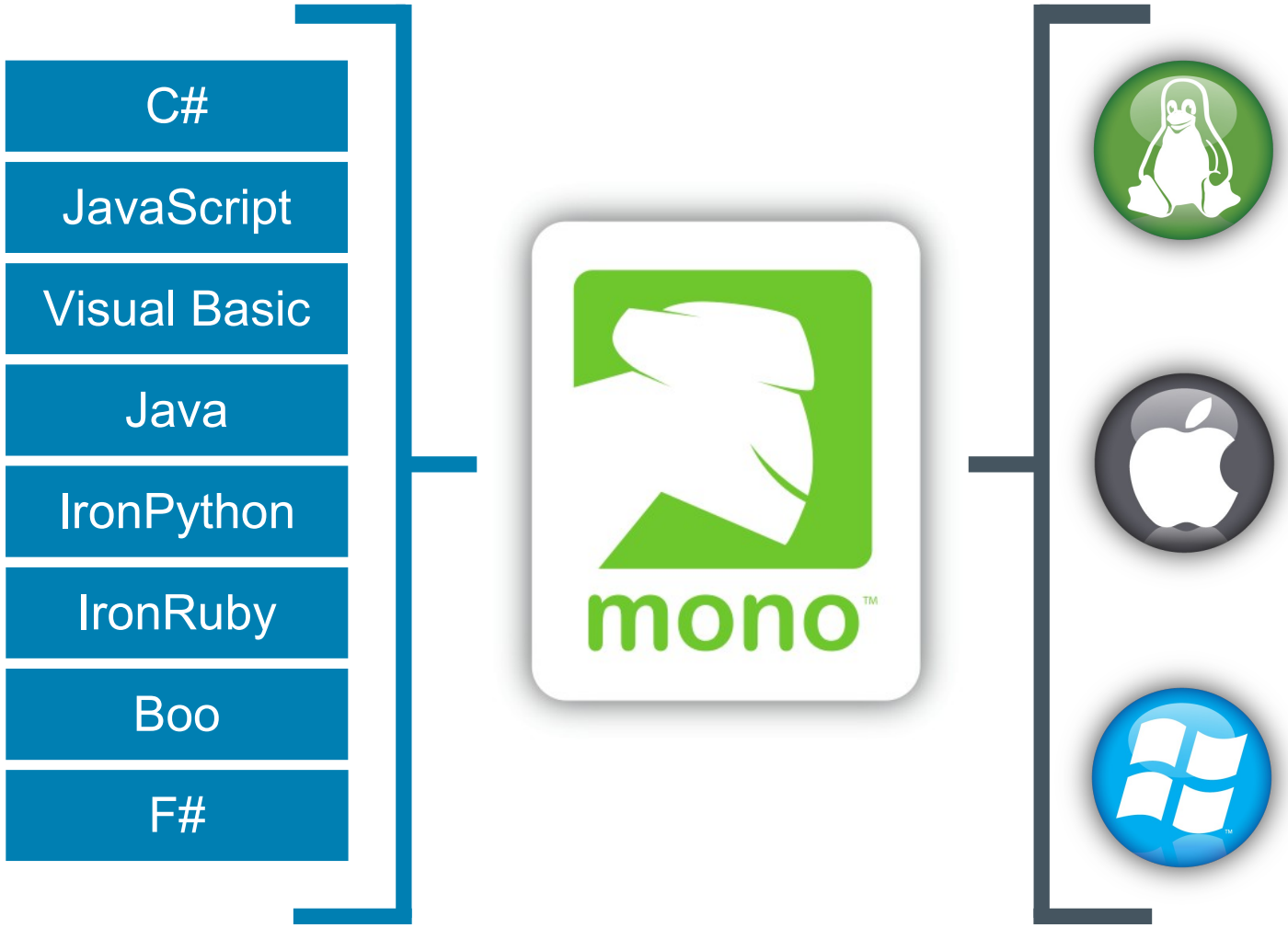
Multi-Language, Multi-Platform



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Multi-Language, Multi-Platform

- C#
- JavaScript
- Visual Basic
- Java
- IronPython
- IronRuby
- Boo
- F#

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Binary Compatible

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Demo

Publishing ASP.NET to Linux

Mono 2.6

- December 2009
  - ASP.NET 3.5sp1
    - ASP.NET AJAX, ASP.NET MVC
  - ADO.NET 2.0+
    - SQL Server, PostgreSQL, SQLite
    - 3rd party providers for MySQL, Sybase, DB2, Oracle, etc
    - LINQ to SQL
  - Windows.Forms 3.5sp1
  - C# 3.0

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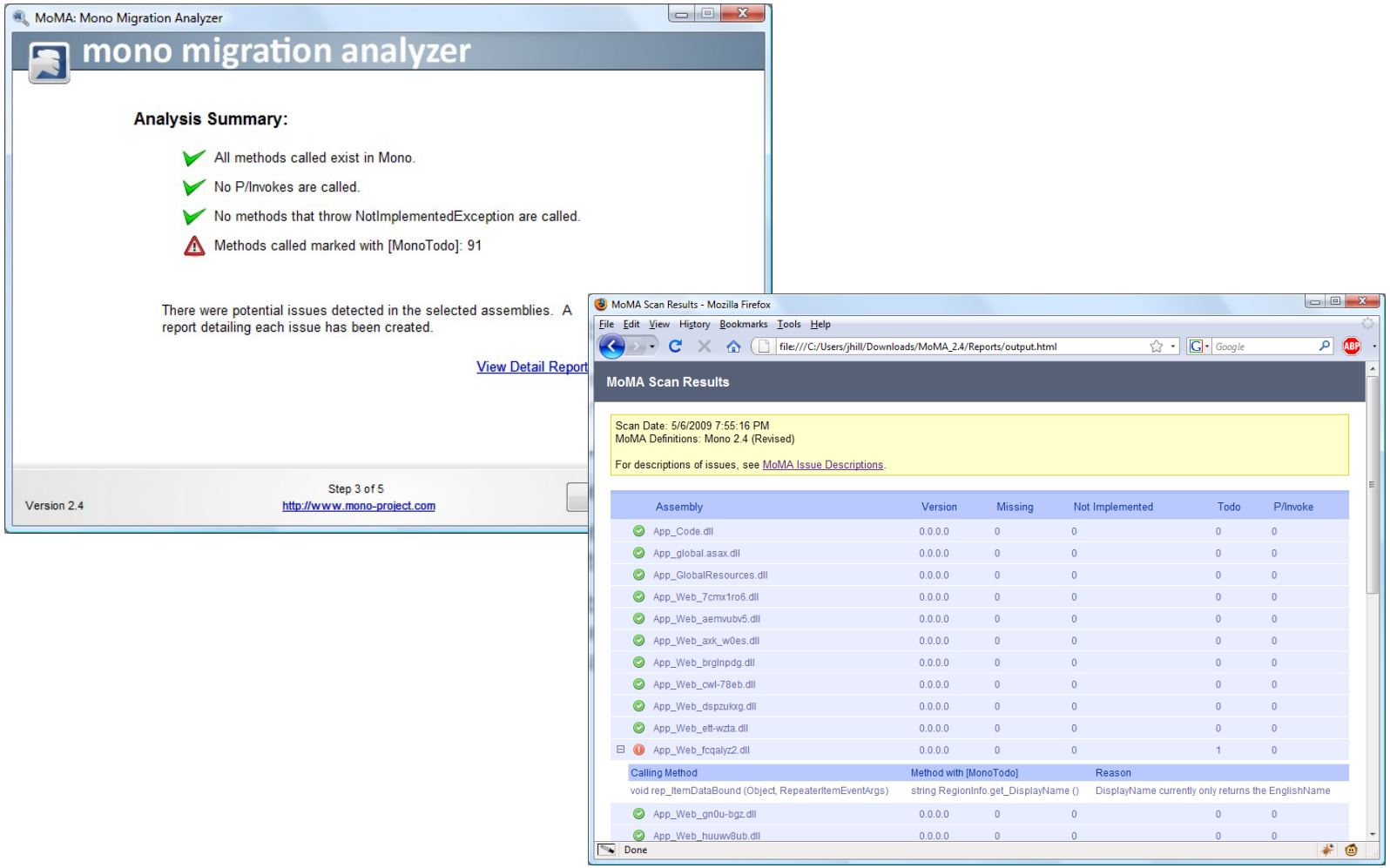
Demo

Telerik Running on Mono

Helping You Get There

Mono Migration Analyzer (MoMA)



http://www.mono-project.com/Moma

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Mono Tools for Visual Studio
Features

- MoMA integration
- Run in Mono
- Debug Mono applications running on Linux
- Package for Linux
- Build appliance

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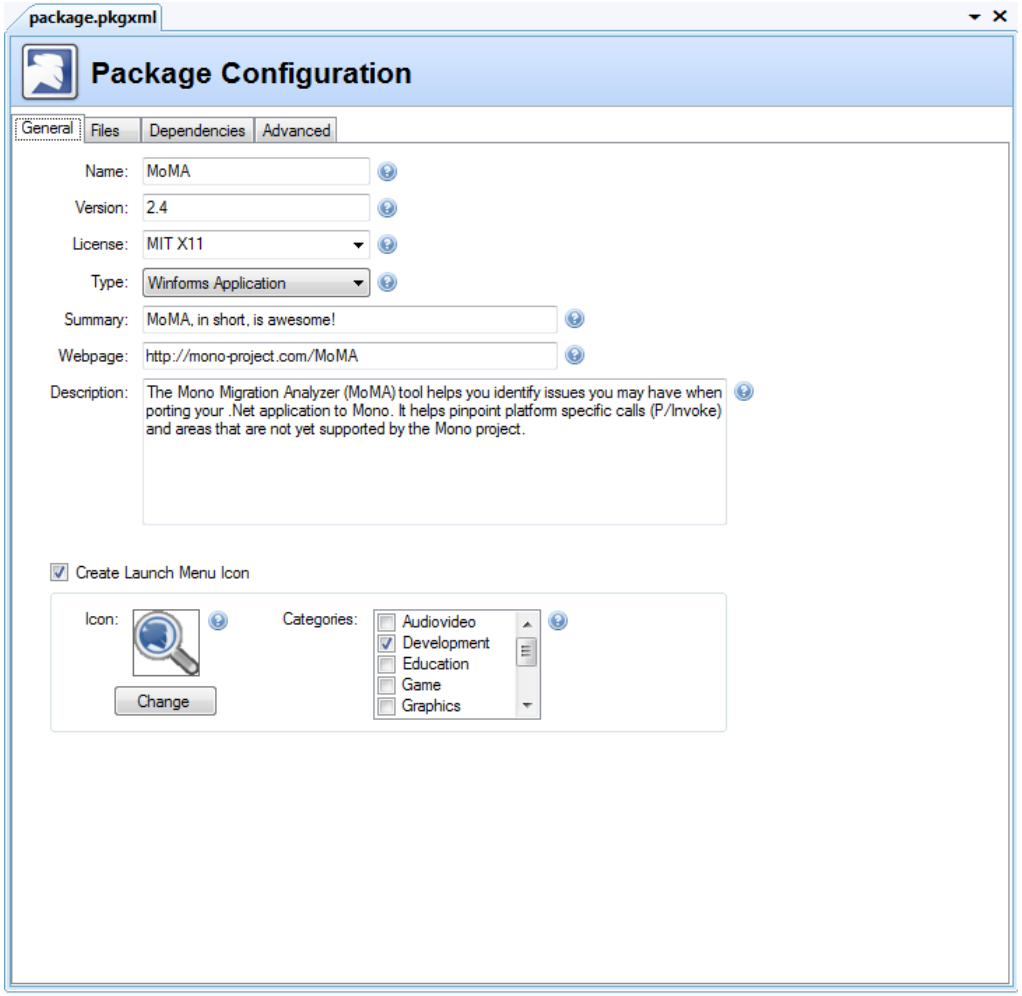
Demo

Debugging on Linux

Package for SUSE®



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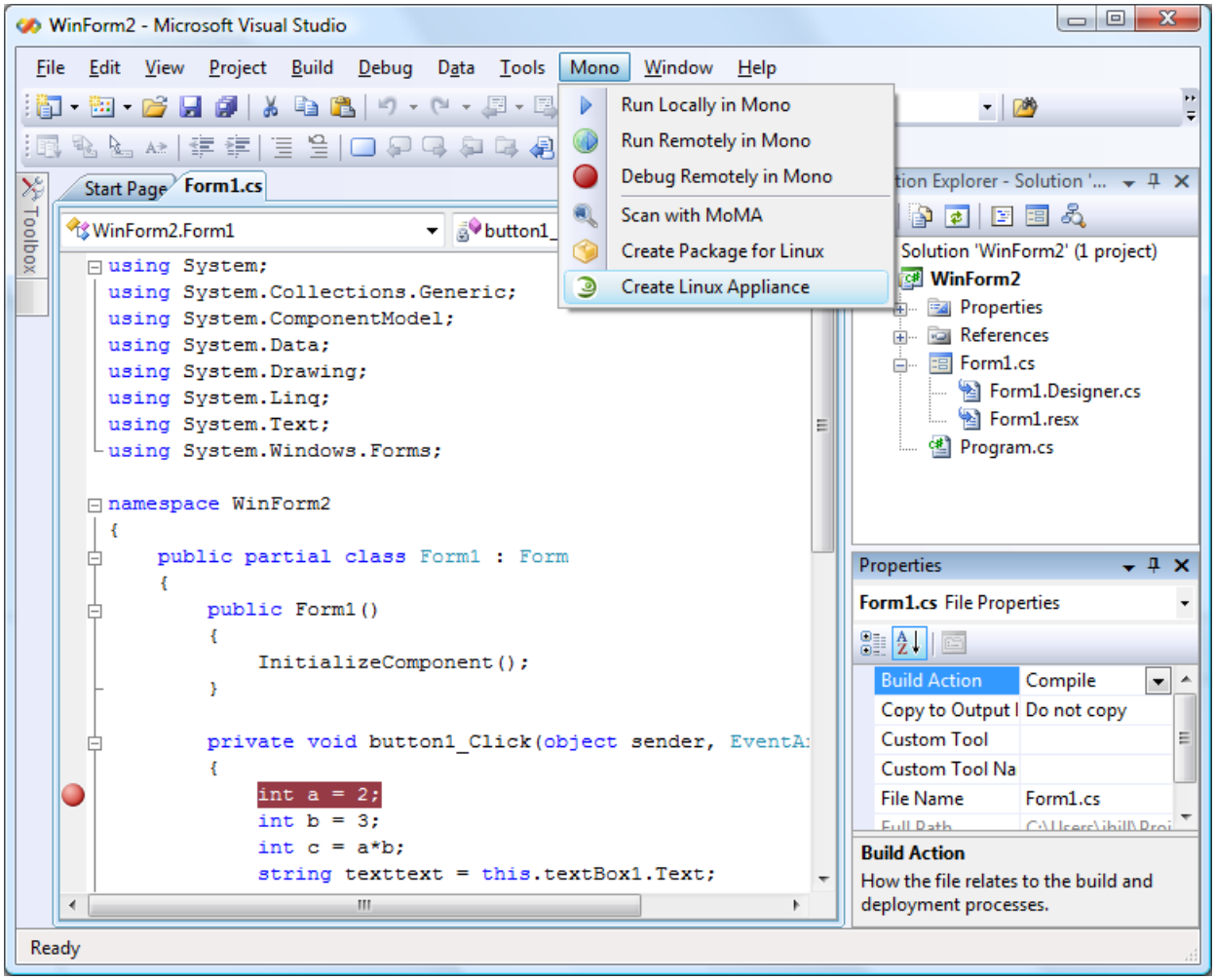
Create Linux Appliance



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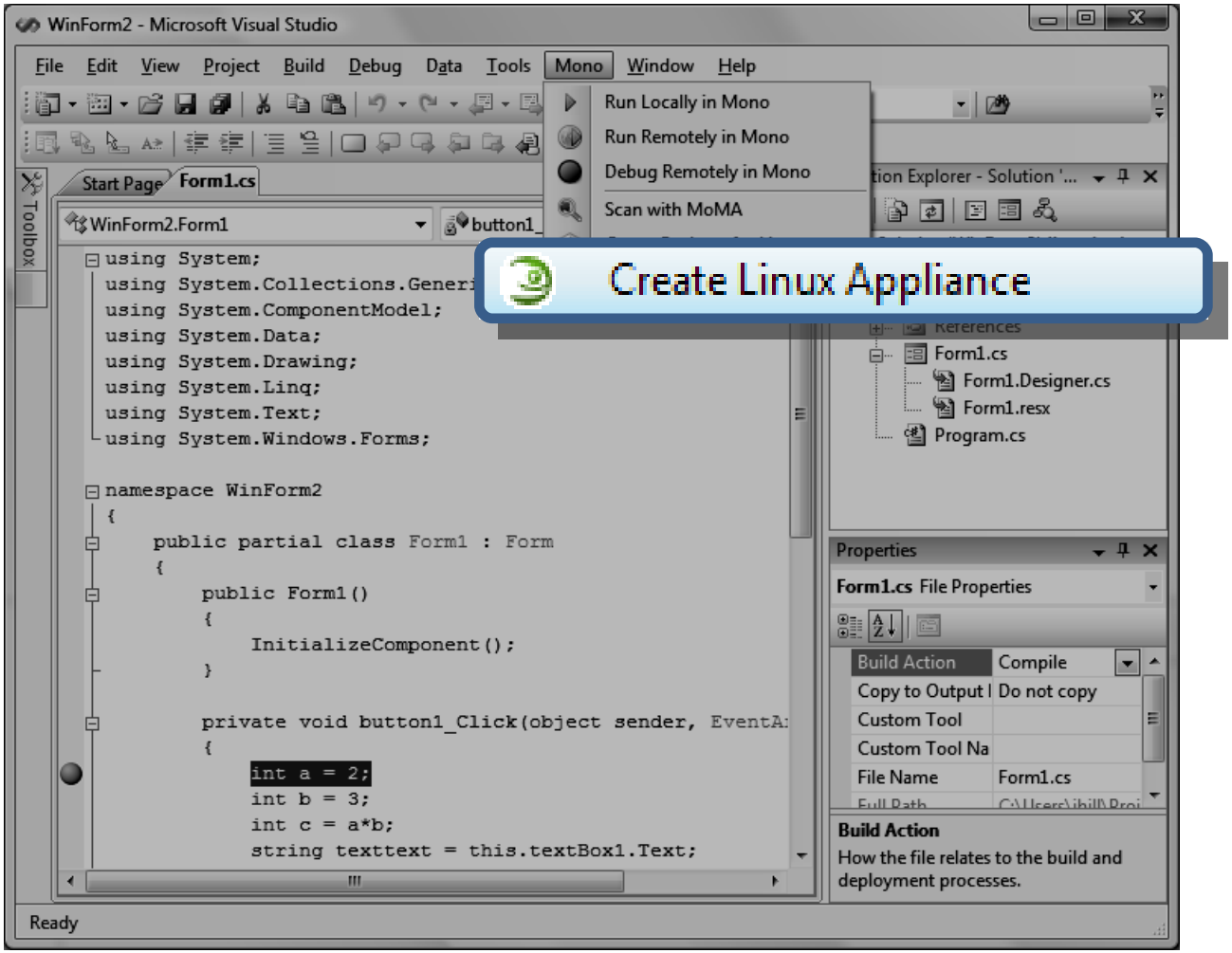
Create Linux Appliance



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