

```
public class HelloWorld                                #include<iostream>
{                                                       using std::cout;
    public static void main(String args[])             using std::endl;
    {
        System.out.println("Hello World!");           _tmain(int argc, _TCHAR* argv[])
    }                                                    {
}                                                         cout<<"Hello World!"<<endl;
void main()                                             return 0;
{                                                         printf("Hello World!");
    DB "Hello World!$"
    DSEG ENDS
}
CSEG SEGMENT
ASSUME DS:DSEG,CSS
START: MOV AX,DSEG
        MOV DS,AX
        MOV DX,OFFSET STR1
        MOV AH,09H
        INT 21H
        MOV AH,4CH
        INT 21H
CSEG ENDS
END START
```

Hello World!

```
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace hello
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Hello World!");
        }
    }
}
```

.NET Core 的 Hello World 之旅

# Hello, Linux

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北京理工大学计算机学院  
金旭亮

# 测试环境



CentOS Linux release 7.6.1810 (Core)

安装.NET Core SDK 2.2，安装  
方法参见官网：

<https://dotnet.microsoft.com/download/linux-package-manager/centos/sdk-current>

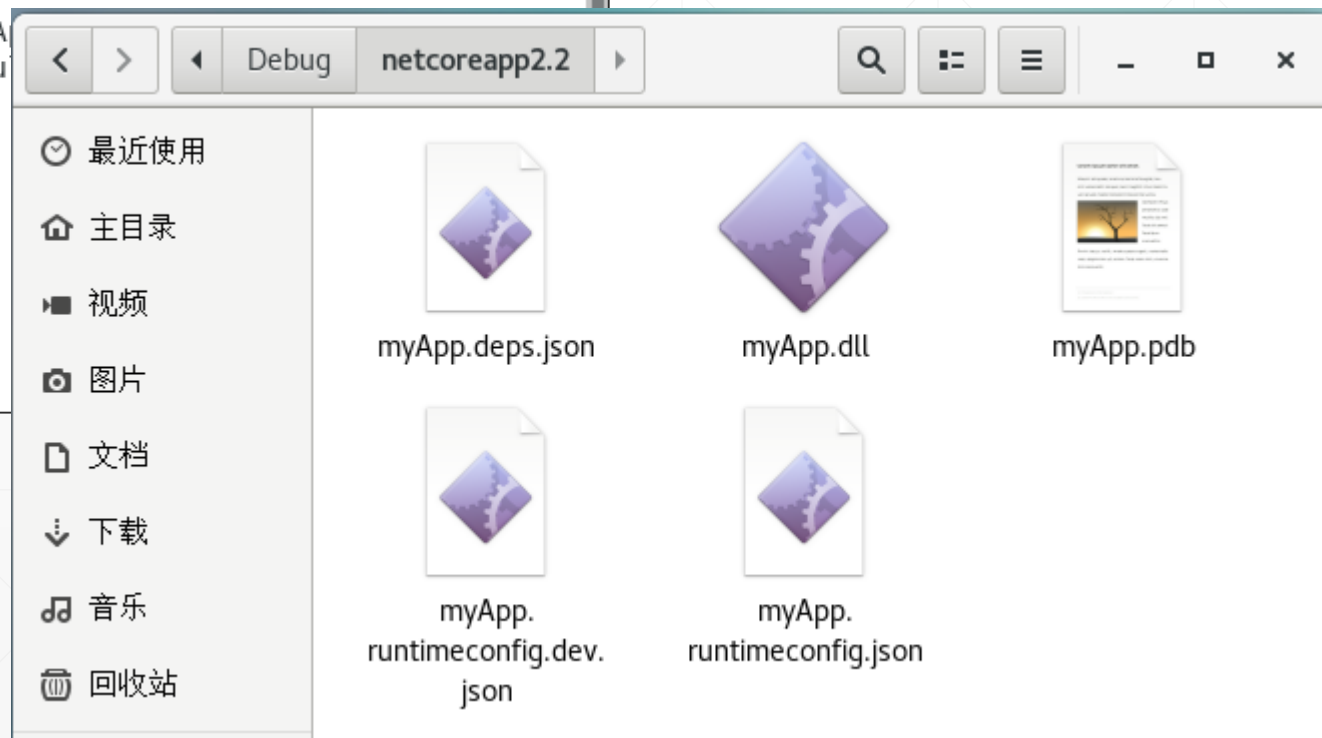
# 创建和编译.NET Core项目

```
jinxuliang@localhost:~/myApp
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
[jinxuliang@localhost ~]$ mkdir myApp
[jinxuliang@localhost ~]$ cd myApp
[jinxuliang@localhost myApp]$ dotnet new console
The template "Console Application" was created successfully.

Processing post-creation actions...
Running 'dotnet restore' on /home/jinxuliang/myApp
Restore completed in 509.67 ms for /home/jinxuliang/myApp

Restore succeeded.

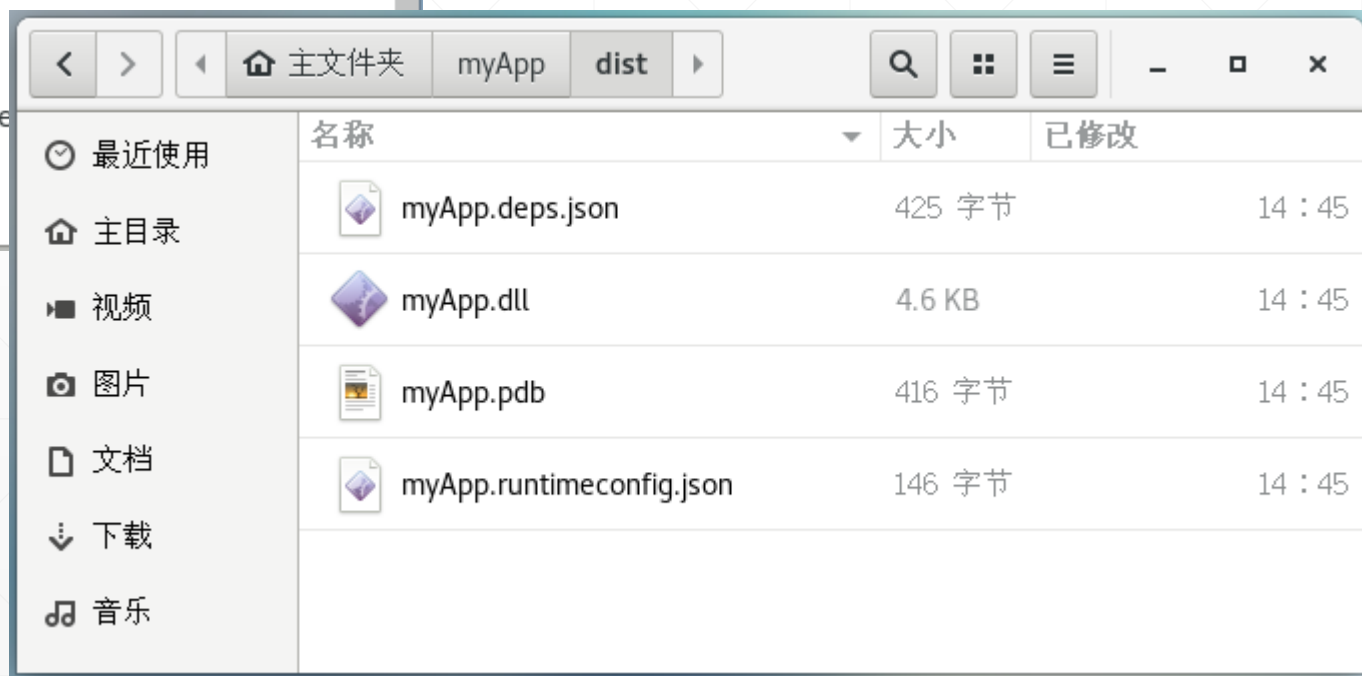
[jinxuliang@localhost myApp]$ ls
myApp.csproj  obj  Program.cs
[jinxuliang@localhost myApp]$ dotnet run
Hello World!
[jinxuliang@localhost myApp]$
```



# 发布.NET Core项目

```
jinxuliang@localhost:~/myApp/dist
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
[jinxuliang@localhost myApp]$ dotnet publish -o dist -c release
Microsoft (R) Build Engine version 16.1.76+g14b0a930a7 for .NET Core
Copyright (C) Microsoft Corporation. All rights reserved.

Restore completed in 98.57 ms for /home/jinxuliang/myApp/myApp.csproj.
myApp -> /home/jinxuliang/myApp/bin/release/netcoreapp2.2/myApp.dll
myApp -> /home/jinxuliang/myApp/dist/
[jinxuliang@localhost myApp]$ cd dist
[jinxuliang@localhost dist]$ ls
myApp.deps.json myApp.dll myApp.pdb myApp.runtimeconfig.json
[jinxuliang@localhost dist]$ dotnet myApp.dll
Hello World!
[jinxuliang@localhost dist]$
```



名称	大小	已修改
myApp.deps.json	425 字节	14 : 45
myApp.dll	4.6 KB	14 : 45
myApp.pdb	416 字节	14 : 45
myApp.runtimeconfig.json	146 字节	14 : 45

# 使用自包容方式发布

```
jinxuliang@localhost:~/myApp/selfContained
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
[jinxuliang@localhost myApp]$ dotnet publish -c Release -o selfContained -r linux-x64
--self-contained true
Microsoft (R) Build Engine version 16.1.76+g14b0a930a7 for .NET Core
Copyright (C) Microsoft Corporation. All rights reserved.

Restore completed in 37.12 sec for /home/jinxuliang/myApp
myApp -> /home/jinxuliang/myApp/bin/Release/netcoreapp2.2
myApp -> /home/jinxuliang/myApp/selfContained/
[jinxuliang@localhost myApp]$ cd selfContained/
[jinxuliang@localhost selfContained]$ ./myApp
Hello World!
[jinxuliang@localhost selfContained]$
```

selfContained			名称	大小	已修改
最近使用			myApp	106.9 KB	14 : 56
主目录			myApp.deps.json	36.7 KB	14 : 56
视频			myApp.dll	4.1 KB	14 : 56
图片			myApp.pdb	416 字节	14 : 56
文档			myApp.runtimeconfig.json	26 字节	14 : 56
下载			netstandard.dll	96.8 KB	06月 18 日
音乐			SOS.NETCore.dll		
回收站					
+ 其他位置					

选中了“myApp” (106.9 KB)

# 课后练习



1

在自己的计算机上搭建好.NET Core学习与运行环境。

2

跟着PPT，走一遍Hello World流程，以熟悉.NET Core的开发流程和相应的开发工具。