

dotnet new

<code>dotnet new sln</code>	Solution file
<code>dotnet new console</code>	Console application
<code>dotnet new classlib</code>	Class library
<code>dotnet new mvc</code>	ASP.NET Core Web App (Model-View-Controller)
<code>dotnet new xunit</code>	xUnit test project
<code>dotnet new -l</code>	Obtain a list of the available templates

dotnet sln

<code>dotnet sln list</code>	List all projects in a solution file
<code>dotnet sln todo.sln add todo-a pp/ tod o-a pp.c sproj</code>	Add a C# project to a solution
<code>dotnet sln todo.sln remove todo-a pp/ tod o-a pp.c sproj</code>	Remove a C# project from a solution
<code>dotnet sln todo.sln add **/*.c sproj</code>	Add multiple C# projects to a solution using a globbing pattern

dotnet add

dotnet build

<code>dotnet build</code>	Build a project and all of its dependencies
<code>dotnet build --configuration Release</code>	Build a project and its dependencies using Release configuration

The `dotnet build` command's output is ready for deployment to a hosting system (for example, a server, PC, Mac, laptop) for execution.

Starting with .NET Core 2.0, you don't have to run `dotnet restore` because it's run implicitly.

dotnet run

<code>dotnet run</code>	Run the project in the current directory
<code>dotnet run --project c:\proj\proj1\proj1.csproj</code>	Run the specified project
<code>dotnet myapp.dll</code>	Run a framework-dependent app named <code>myapp.dll</code>

dotnet clean

```
dotnet add package Newtonsoft.Json dotnet clean
```

Add
Newton-
soft.Json
NuGet
package

dotnet ef migrations add
the
output
of a
project

Add a
migrat
List
availa
migrat

```
dotnet clean --configuration Release
```

to a
project

dotnet ef migrations remove

Remov
the la

```
dotnet add reference lib1/lib1.csproj lib2/lib2.csproj
```

Add
multiple
project
references
to the
project in

dotnet ef migrations remove
built
using
the
Release
config-
uration

Gener
a SQ
script
migrat

Only the outputs created during the build are cleaned. Both intermediate (*obj*) and final output (*bin*) folders are cleaned.

the current
directory
Add

```
dotnet ef database update
```

Updat
the
data
to a
speci
migrat

```
dotnet add app/app.csproj reference lib1/lib1.csproj
```

multiple
project
references
using a
globbing
pattern on
Linux/Unix

```
dotnet ef database drop
```

Drop
data

```
dotnet ef dbcontext list
```

List
availa
DbCo
types

```
dotnet ef dbcontext info
```

Get
infor
ation
about
DbCo
type

```
dotnet ef dbcontext scaffold
```

Scaff
a
DbCo
and e
types
data



dotnet pack

```
dotnet pack
```

```
dotnet pack --no-build --output nupkgs
```

```
dotnet pack /p:PackageVersion= 2.1.0
```

dotnet remove (cont)

```
dotnet remove app/app.csproj reference
roj project
and
create
NuGet
packages
Pack the
project in
the
current
directory
into the
nupkgs
folder
and skip
the build
step
```

```
Set the
package
version to
2.1.0 with
the
PackageVersion
MSBuild
property
```

etc.

```
dotnet /help sp
Remove Show more
multiple detailed
project docume-
references tation
using a online for
glob the
pattern oncommand
```

```
dotnet migrate
Unix/Linux
Migrate a
Preview 2
.NET Core
project to a
.NET Core
SDK 1.0
project
```

```
dotnet msbuild
Provides
access to a
fully
functional
MSBuild
```

```
dotnet test
Run the
tests in the
project in
the current
directory
```

```
dotnet list reference
List the
project
references
for the
project in
the current
directory
```

dotnet nuget

Environment variables

```
dotnet nuget locals -l all
```

Display **DOTNET_PACKAGES**

the paths of all the local cache directories

The primary package cache.
DOTNET_SERVICING

Specifies the location of the servicing index to use by the shared host when loading the runtime.

```
dotnet nuget push foo.nupkg -k 4003d7 86- cc3 7-4 004 -bf df- c4f 3e8 ef9b3a
```

Push **DOTNET_CLI_TELEMETRY_OPTOUT**

foo.nupkg Specifies whether data about the .NET Core tools usage is collected and sent to default Microsoft.

push source, specifying an API key **DOTNET_MULTILEVEL_LOOKUP**

Specifies whether .NET Core runtime, shared framework, or SDK are resolved from the global location.

```
dotnet nuget delete Micros oft.As pNe tCo re.Mvc 1.0 --non- interactive
```

Delete **DOTNET_ROLL_FORWARD_ON_NO_CANDIDATE_FX**

version 1.0 of *Micros oft.As pNe tCo re.Mvc*, not prompting user for credentials or other input
Disables minor version roll forward. For more information, see Roll forward.

dotnet remove

```
dotnet remove package Newton soft t.Json
```

Remove *Newton-soft.Json* NuGet package from a project in the current directory

```
dotnet remove reference lib/li b.c spr oj
```

Remove a project reference from the current project

