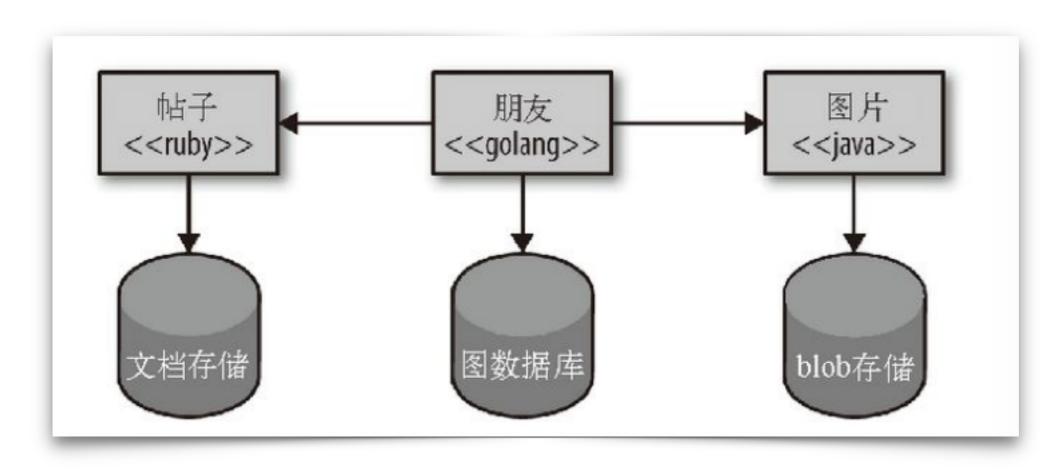
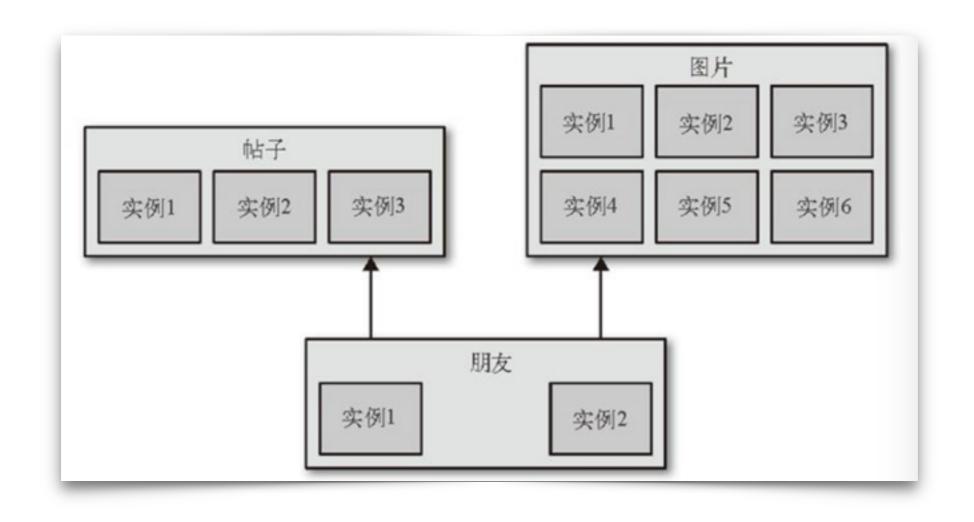
什么是微服务

很小,专注与做一件事 单一职责原则 自治性 彼此独立修改部署

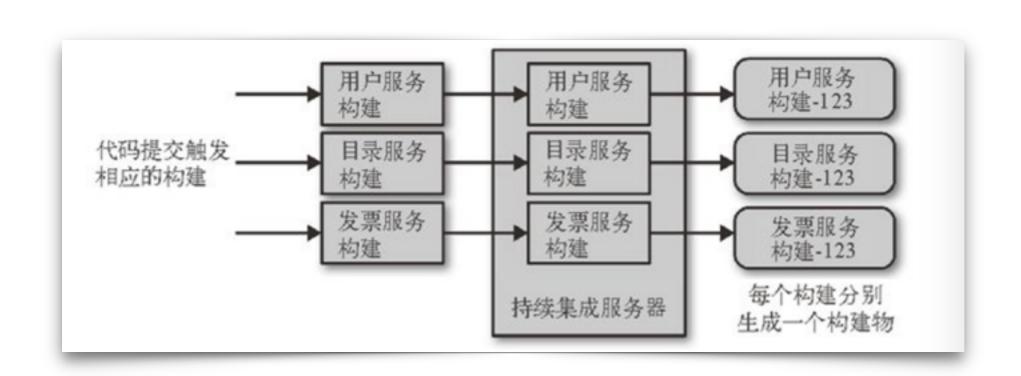
主要好处 技术异构性



主要好处弹性扩展



主要好处简化部署



主要好处

组织结构匹配

任何组织在设计一套系统(广义概念上的系统)时,所交付的设计方案在结构上都与该组织的沟通架构保持一致。

organizations which design systems ... are constrained to produce designs which are copies of the communication structures of these organizations

"— M. Conway"

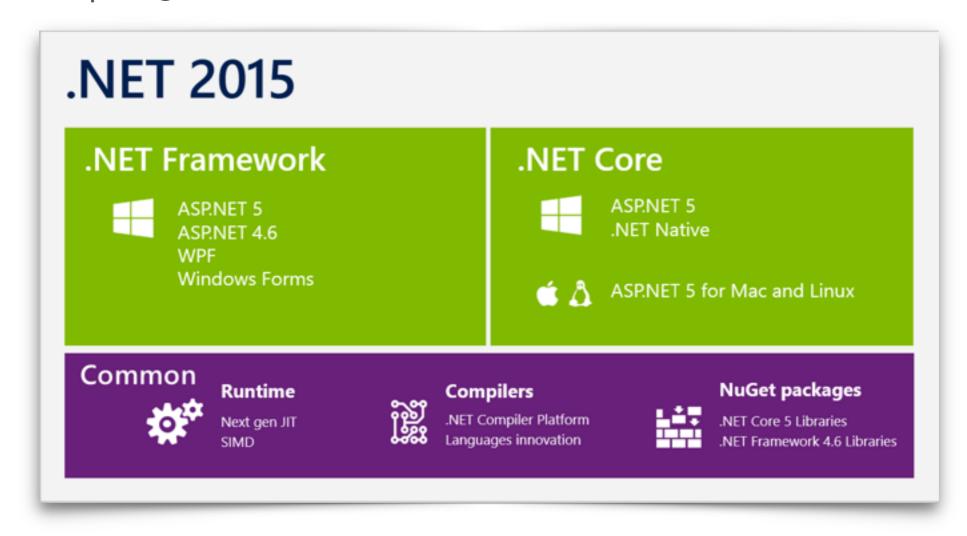
https://en.wikipedia.org/wiki/Conway%27s_law

主要好处 可重用,可组合 持续改进优化



.NET CORE

https://github.com/dotnet



.NET CORE

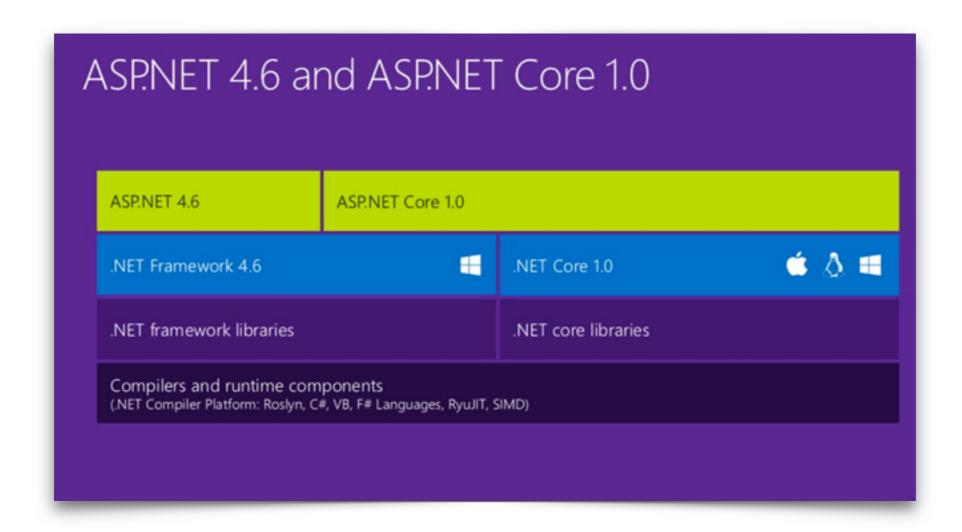
https://www.microsoft.com/net/core#ubuntu

```
sudo sh -c 'echo "deb [arch=amd64] https://ap
t-mo.trafficmanager.net/repos/dotnet/ trusty
main" > /etc/apt/sources.list.d/dotnetdev.lis
sudo apt-key adv --keyserver apt-mo.trafficma
nager.net --recv-keys 417A0893
sudo apt-get update
sudo apt-get install dotnet-dev-1.0.0-preview
1-002702
```

.NET CORE

https://www.microsoft.com/net/core#ubuntu





Convert the Console App into an ASP.NET Core App

To modify this program to be an ASP.NET Core app, you need to add a dependency. Open *project.json* in your editor and add a dependency on "Microsoft.AspNetCore.Server.Kestrel", as shown:

```
"version": "1.0.0-*",
"buildOptions": {
    "emitEntryPoint": true
},
"dependencies": {
    "Microsoft.NETCore.App": {
        "type": "platform",
        "version": "1.0.0-rc2-3002702"
},
    "Microsoft.AspNetCore.Server.Kestrel":"1.0.0-rc2-final"
},
"frameworks": {
    "netcoreapp1.0": {
        "imports": "dnxcore50"
     }
}
```

Once more, restore the project's dependencies (so that this new dependency is downloaded):

```
> dotnet restore
```

https://github.com/dotnet/training-tutorials/blob/master/content/asp.net/getting-started/lesson-01.md

```
public class Program
  public static void Main(string[] args)
     var host = new WebHostBuilder()
       .UseKestrel()
       .UseStartup<Startup>()
       .Build();
     host.Run();
```

```
public class Startup
{
    public void Configure(IApplicationBuilder app)
    {
        app.Run(context =>
        {
            return context.Response.WriteAsync("Hello from ASP.NET Core!");
        });
    }
}
```

DOCKER 部署

https://c.163.com/

FROM hub.c.163.com/cnxiaoma/dotnet:latest

RUN git clone https://git.coding.net/cnxiaoma/aspnetcore.git /aspnetcore

WORKDIR /aspnetcore

RUN dotnet restore

EXPOSE 3000

CMD ["dotnet", "run"]

http://t.cn/R5SG2kF

欢迎提问