**Part 1**

who use it

For user

For developer

How to use

1. Install .net framework
2. Select type of application: console, windows form, WPF, WCF,
3. Select language
4. IDE

So sanh

1. Dinh nghia

2. owner: MS 1990 , sun 1999

3. kien truc:

|  |  |
| --- | --- |
| .net | Java |
| 30 ngon ngu | 1 ngon ngu |
| Bien dich source code thanh ngon ngu trung gian | Bien dich source code thanh byte code(ko phai ngon ngu) |
| CLR thuc hien thuat toan lien tuc | LVM thuc hien thuat toan ko lien tuc |
| Compile source code twice during process of coverting to native code, compiling work faser than interpreting | Compile and inpterpret source code onece during process of converting it to native code |
| He dieu hanh windows | Hdh… |

Part 2

.net co 2 phan: CLR, FCL

Step executing

1. Compile source code🡪 managed module (IL)
2. Compile IL and resource file 🡪 assemblies
3. Compiling (JIT) assemblies +FCL to native machine code

Scalability

Avai

Secure

Usabi

Perform

Porta

Builda

Interope

Extensi

Source:

<http://msdn.microsoft.com/en-us/library/zw4w595w(v=vs.71).aspx>

<http://en.wikipedia.org/wiki/.NET_Framework>

bối cảnh ra đời, trong hoàn cảnh Java cũng đang phát triển JVM

sử dụng ntn ( các bước cài đặt)

cấu trúc: gồm CLR nằm trên win, và FCL