What's the best method to enable or disable a feature in a .net desktop application

Asked 16 years, 3 months ago Modified 16 years, 3 months ago Viewed 134 times



 $\mathbf{0}$

It can be either at compile time or at run-time using a config file. Is there a more elegant way than simple (and many) if statements?



I am targeting especially sets of UI controls that comes for a particular feature.



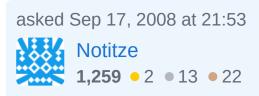
()

.net user-controls

Share

Improve this question

Follow



3 Answers

Sorted by:

Highest score (default)





Unless your program must squeeze out 100% performance, do it with a config file. It will keep your code cleaner.

3





1

If one option changes many parts of code, don't write many conditionals, write one conditional that picks which class you delegate to. For instance if a preference picks TCP versus UDP, have your conditional instantiate a TcpProvider or UdpProvider which the rest of your code uses with minimal muss or fuss.

Share Improve this answer Follow

answered Sep 17, 2008 at 21:55

easeout

8,736 • 5 • 45 • 51



Compiler directives aren't as flexible, but they are appropriate in some circumstances.





For instance, by default when you compile in DEBUG mode in VS.NET, there is a 'DEBUG' symbol defined...so you can do





```
void SomeMethod()
{
    #if DEBUG
    //do something here
    #else
    //do something else
    #endif
}
```

this will result in only one of those blocks being compiled depending if the DEBUG symbol is defined.

Also, you can define additional symbols in Project Properties -> Build -> Conditional compilation symbols.

Or, via the command line compiler using the /define: switch

Share Improve this answer Follow

answered Sep 18, 2008 at 1:20



James

3,362 • 1 • 22 • 15



Perhaps I am assuming too much, but:









```
switch (setting) {
  case "development":
     dostuff;
     break
  case "production":
     dootherstuff;
     break;
  default:
     dothebeststuff;
     break;
}
```

Share Improve this answer Follow

answered Sep 17, 2008 at 21:55



Doug Moore 1,193 • 9 • 23