**Identifying candidates**

1. You are unable to deploy your application fast enough to meet requirements because of difficulty maintaining, modifying, and becoming productive quickly, which results in long cycles of time-to-market to roll out new services. Perhaps the business requires a new function to take advantage of a new market opportunity, or you want to link into a new social media service. In either case, you are unable to build, test, and deploy your application in a timely manner.
2. You are unable to apply a single deployment. Usually it is necessary to involve other modules or components to build, test, and deploy, even for a small change or enhancement, because there is not separation of modules and components inside the same package of .ear or .war files
3. Only a single choice of technology exists and you cannot take advantage of new technologies, libraries, or techniques that are being adopted by other enterprises. This can manifest itself in several ways. Perhaps your current technology stack does not support the functionality you need. For example, you want to generate documentation automatically from your code, or you want to link to a new service, but the current technology used in your system or platform does not offer these features.
4. Your large systems have the following characteristics:
   1. – High amount of data in memory
   2. – High-use CPU operations
   3. – Unable to scale a portion of the application; usually the entire application must be scaled
   4. – Cannot be easily updated and maintained
   5. – Code dependencies are difficult to manage
5. Onboarding new developers is difficult because of the complexity and large size of the code.