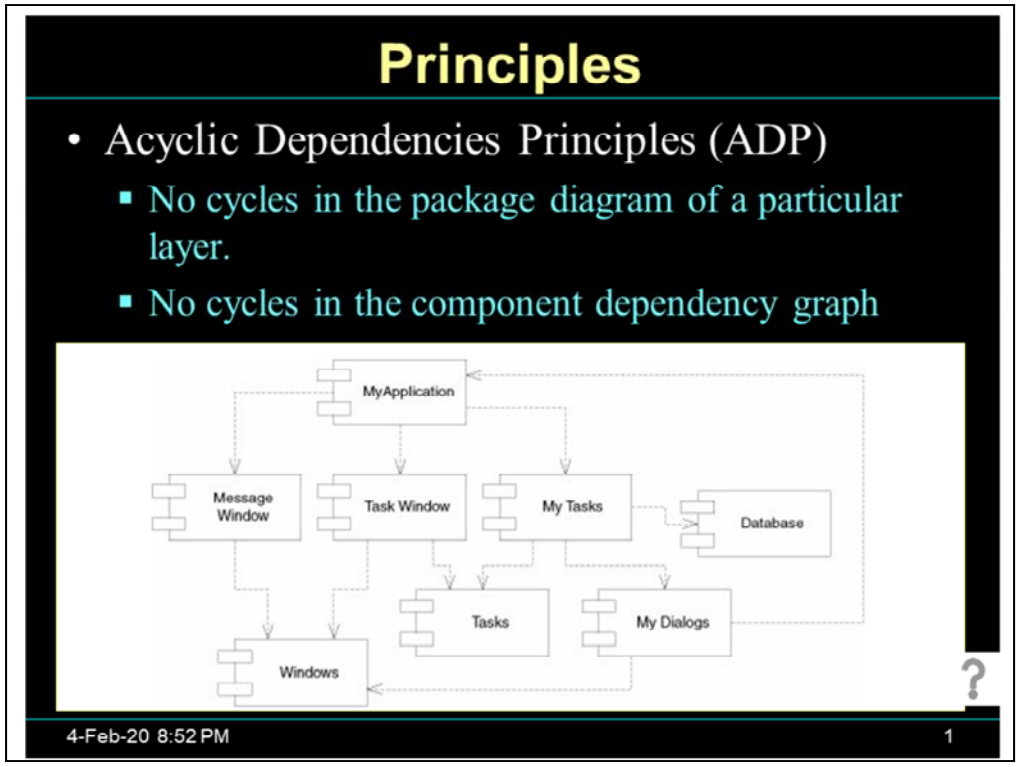


Q80reference – zipengine Q81reference - FileCopier Q82reference - faxNo

A component contains one or more packages. If there are no cycles in package diagram, then there will be no cycles in component diagram.

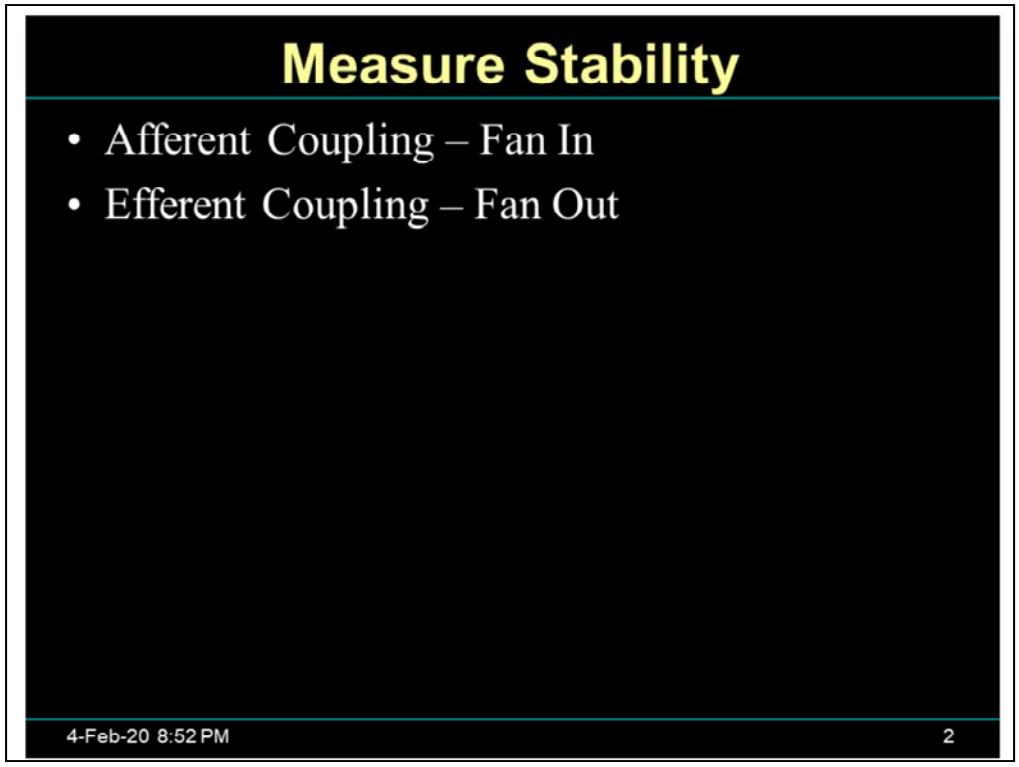
Cycles are introduced in package diagram as an example of code deterioration. So run JDepend tools regularly.

Example of violation

•java.util <-> java.lang : Java.lang.String imports java.util.Locale. java.util.Locale uses String.

•Hibernate

Good example: Spring does not contain a single package circle.



JDepend for Java measures these values for different packages.

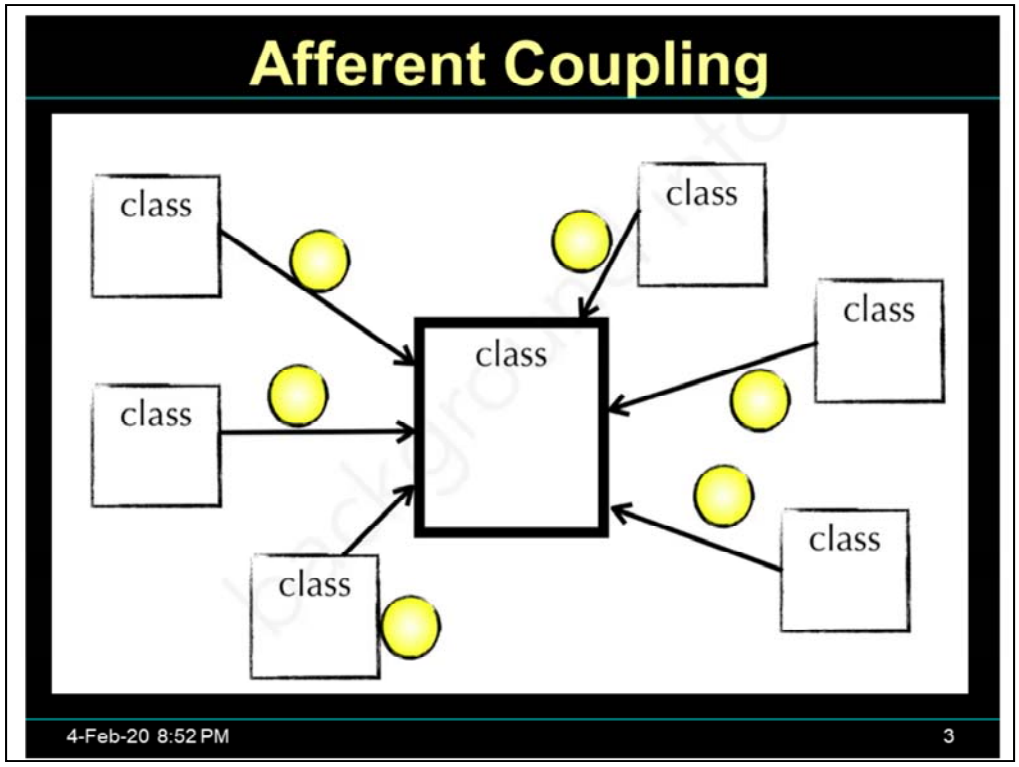
It should be run as a part of Continuous Integration.

==========

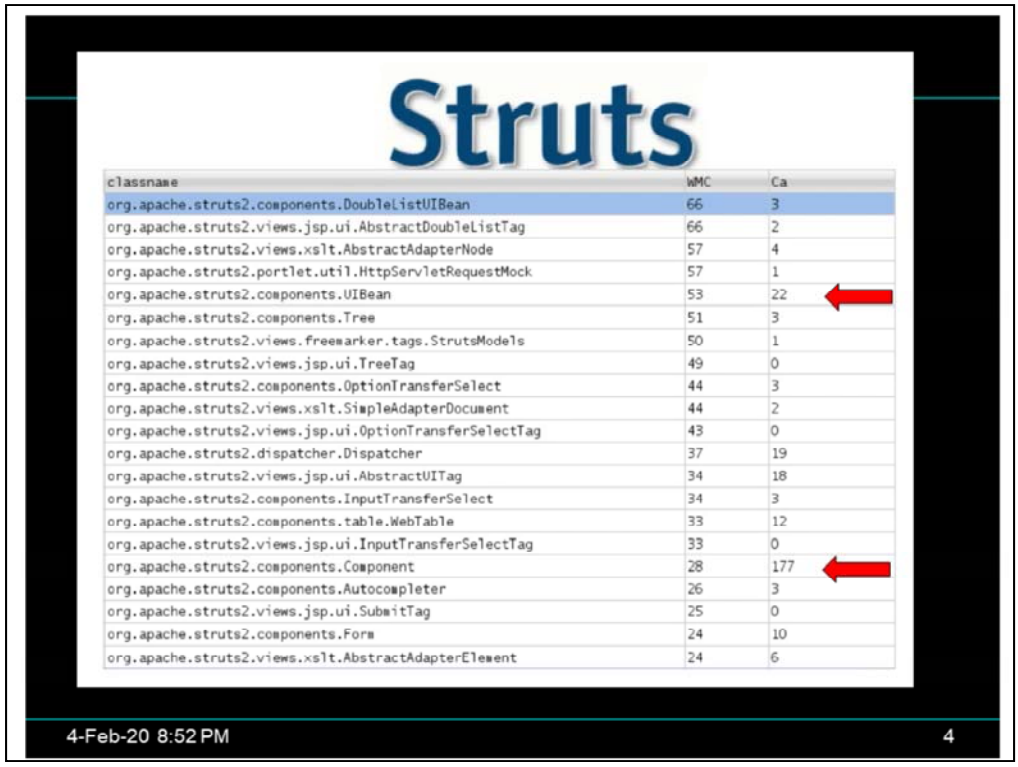
We can quantify the attributes of cohesion, coupling, stability, generality, and conformance to the main sequence with a few simple metrics.

But why should we want to?

To paraphrase Tom DeMarco: You can't manage what you can't control, and you can't control what you don't measure.



God Class in center should be refactored.



For every class in Struts, we have cyclomatic complexity and Afferent coupling.

There may be little value in refactoring a class with high cyclomatic complexity, but low Afferent coupling.

A class with low cyclomatic complexity is likey not badly designed.

We need to concentrate on classes where sum of cyclomatic complexity and Afferent coupling is high.