**What is Apache Log4j?**

Log4j is a reliable, fast and flexible logging framework (APIs) written in java, which is distributed under the apache software license.

**Why Log4j?**

**Client Questions:**

Send the entire logs of file?

Log only when there is error for package A -- package A 30 tests, Package B 50 tests

Log the entire messages for package B.

I want logs with timestamp

I want the log file of last week.

How will I know if there is an error by just looking at logs?

**Appenders**

**Where to log? --- Appenders tag**

<Appenders>

<console> --- output will be printed in the console

</console>

     <RollingFile> --- ouput will be printed in the separate file  
     </RollingFile>

**Logger**

**What to log? -- Loggers**

<loggers>

<logger>

To specify specific package/class

</logger>

<root>

Here we define what type of errors, debug, fatal and all that methods, that what to print

Level = “error” will print only errors

Level = ‘trace” will print all

</root>

</loggers>