

• I'm hoping to get the first reading quiz (over chapter 1 and 2) posted over the long weekend.

### Introduction

- The textbook's first two chapters are I think such a good, and readable, introduction to what we will talk about that I doubt I can improve on them much, so I won't try.
- Yes, the authors are opinionated, and yes, they're a bit Linux-centric, but then so am I, and it does makes for livelier reading (well, okay, maybe not if you're a fan of some other operating system).
- A few things worth noting ...

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### Another Definition of Role and Purpose of O/S

- (From the textbook I had been using.)
- Top-down view: Provide a "virtual machine" easier to use than the real one. Key abstractions are processes, files.

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# • Bottom-up view: Manage physical resources on behalf of multiple applications, possibly multiple users.





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#### 4



Control Cards — Example Sketch of control cards for IBM mainframe O/S to compile and run: //jobname JOB acctno,name, .... //stepname EXEC PGM=compiler\_name,PARM=(options) //STEPLIB DD DSNAME=path\_for\_compiler Slide 10 //SYSUT1 DD UNIT=SYSDA, SPACE=(parameters) //SYSPRINT DD SYSOUT=A //SYSLIN DD DSNAME=object\_code,UNIT=SYSDA, DISP=(MOD, PASS), SPACE=(parameters) 11 //SYSIN DD \* source code /\* //stepname EXEC PGM=load-and-go . . . .

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