





































Outline

- Unix File Organization
- Basic Commands
- Permission
- Wildcard Filename Expansion

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Wildcard - Filename Expansion

- Specify a group of files at one time by a pattern as a pathname
- The shell replaces the pattern with all matching pathnames before executing the command.
- Example:
 - Is sub*
 - Is sub?.c

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Wildcards & Abbreviations

- ?: any single character
- [list]: any character in the list
- [lower-upper]: any character in the range between lower and upper (inclusive)
- *: any pattern (including null)
- ~: home directory
- {}: uncommon parts

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Some Issues with Wildcard

- Hidden files and directories
 - . login, .logout
 - ls .l*
- Report error when no matching
- When requiring a single name, can't use wildcard
 - cd ja*
- Ambiguity
 - cp invoices bus*
 - Use "echo" to make it clear

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Acknowledgement

- John H. Hartman, Classnotes for Csc352-Spring03, CS Dept., University of Arizona, 2003
- Gail Anderson, Paul Anderson, The Unix C Shell Field Guide, Prentice Hall, 1986

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