





Shell Customizations — User-Defined Files

- In these files, you can do many things:
- Define/redefine environment variables.
- Set various shell options and variables.

• Define aliases/functions.

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• Invoke other commands (e.g., umask to set default file permissions, or module load (later).





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I/O Redirection, Continued stdin (standard input) can come from keyboard, file, or inline in shell script. stdout and stderr (standard output, error) can go to terminal or file (overwrite or append), separately or together. (Syntax depends in part on which shell you're using.) Slide 10 How is this useful? (e.g., in program development? testing?) OR — remember quotation from first class? "Write programs that do one thing and do it well. Write programs to work together. Write programs to handle text streams, because that is a universal interface."

Pipes • "Pipes" provide one-way communication between programs - output of program A becomes input of program B. • Key component of "the UNIX philosophy" - emphasis on providing a toolkit of small programs, mechanisms for combining them. • "Filters" are programs designed to work this way, and there are lots of them (next time). less and more also useful.

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