

The Unix Shell

Introduction

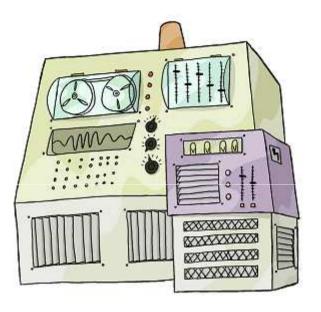


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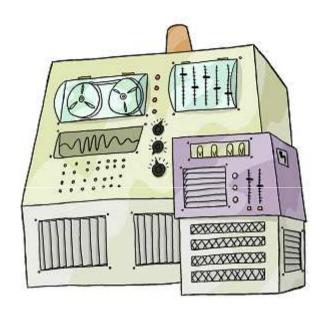
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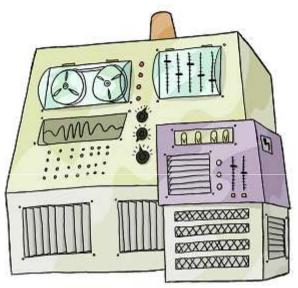






Run Programs

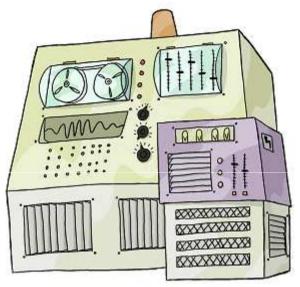




Run Store

Programs Data



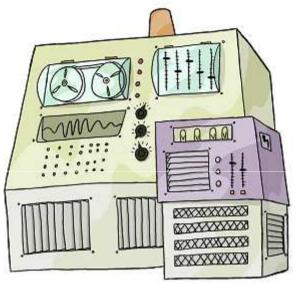


Run Store

Programs Data

Communicate with each other





Run Store

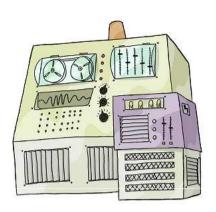
Programs Data

Communicate Interact

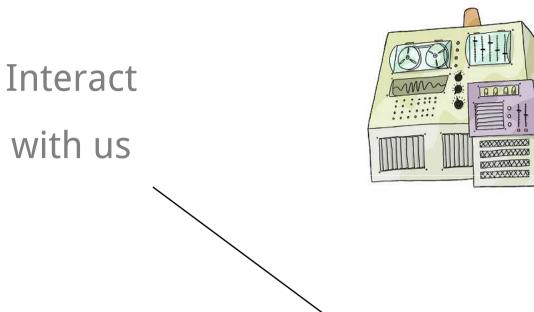
with each other with us



Interact with us

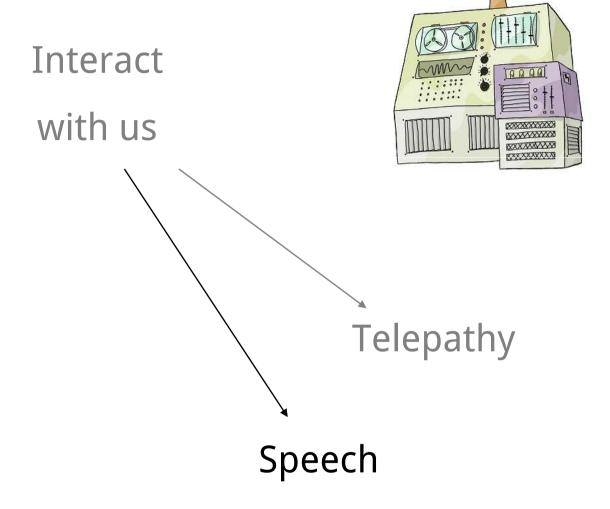


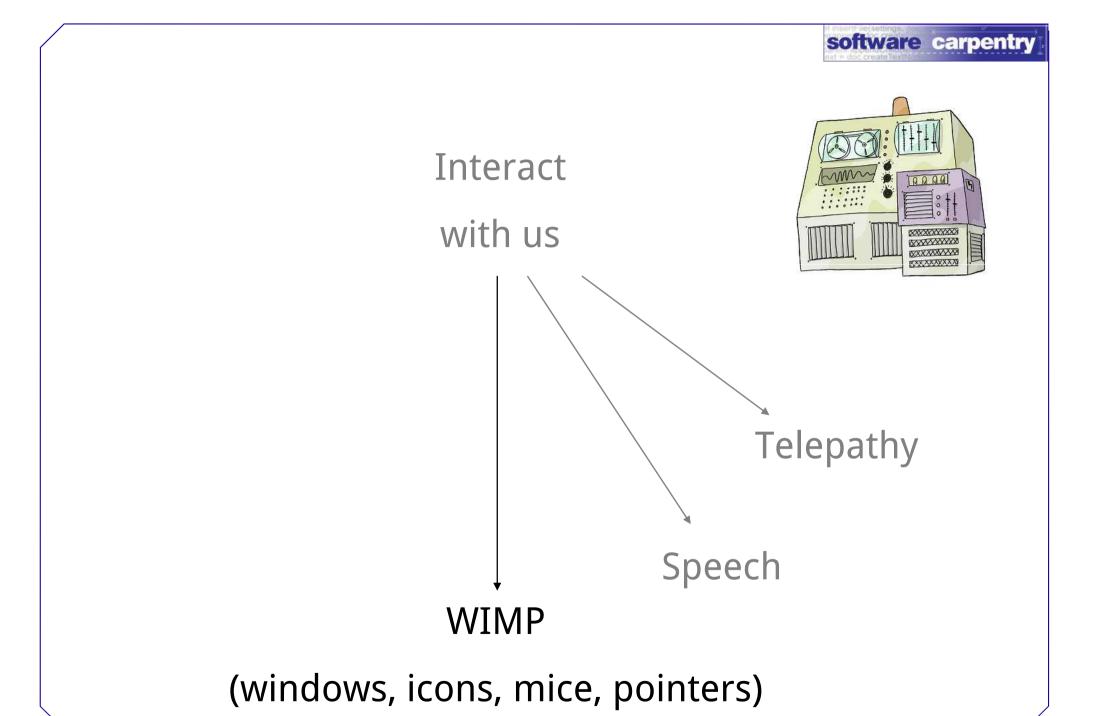


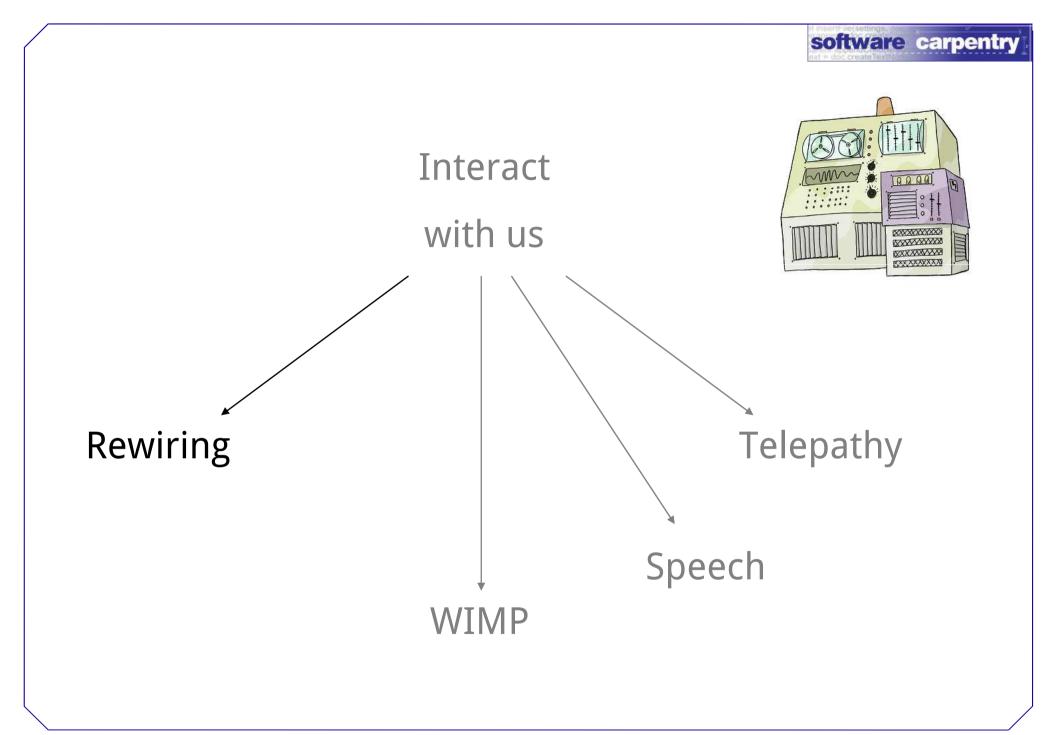


Telepathy

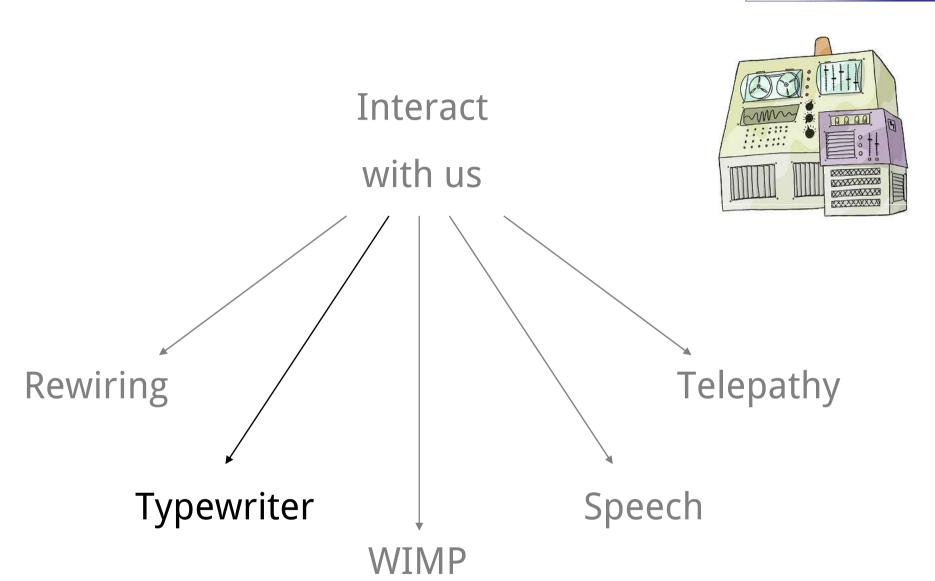








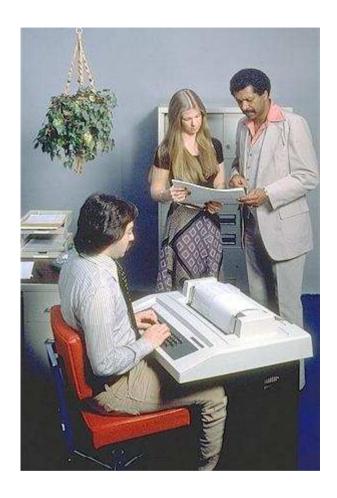






Typewriter







Line printer + keyboard



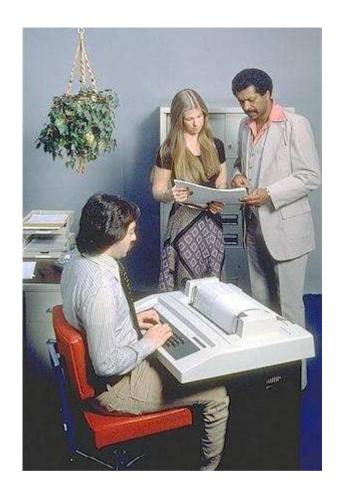




Line printer + keyboard

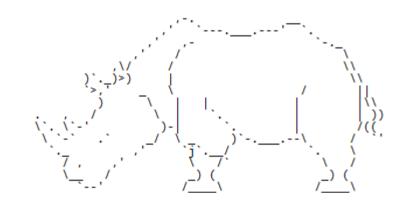
Text only



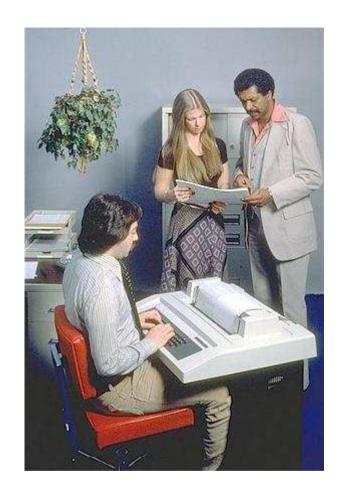




Line printer + keyboard
Text only

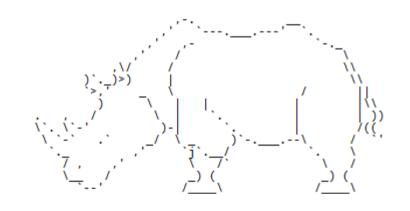








Line printer + keyboard
Text only



CLUI: command-line user interface



user logs in





user logs in
user types command





user logs in
user types command
computer executes command
 and prints output





user logs in
user types command
computer executes command
 and prints output
user types another command





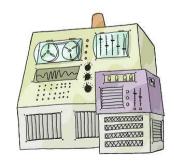










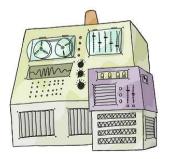






shell







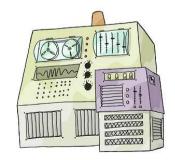




shell











Most popular is bash (the <u>Bourne again shell</u>)



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A shell is just a program that runs other programs Most popular is bash (the <u>Bourne again shell</u>)

Using it feels a lot more like programming than using windows, a mouse, etc.



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Commands are terse and often cryptic



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Use it because:

many tools only have command-line interfaces



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Using it feels a lot more like programming

than using windows, a mouse, etc.

Commands are terse and often cryptic

Use it because:

- many tools only have command-line interfaces
- allows you to combine tools in powerful new ways



created by

Greg Wilson

August 2010



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