

Ray Johnson

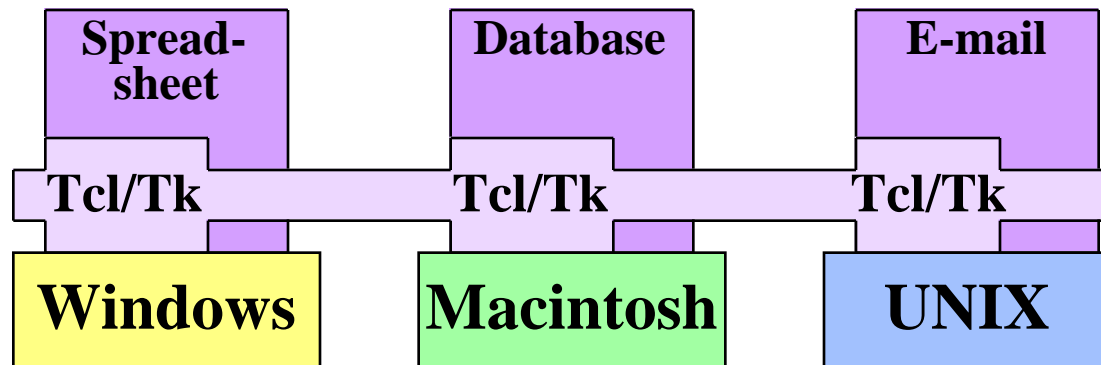
Sun Microsystems Laboratories
The Tcl/Tk Project





Internet Scripting

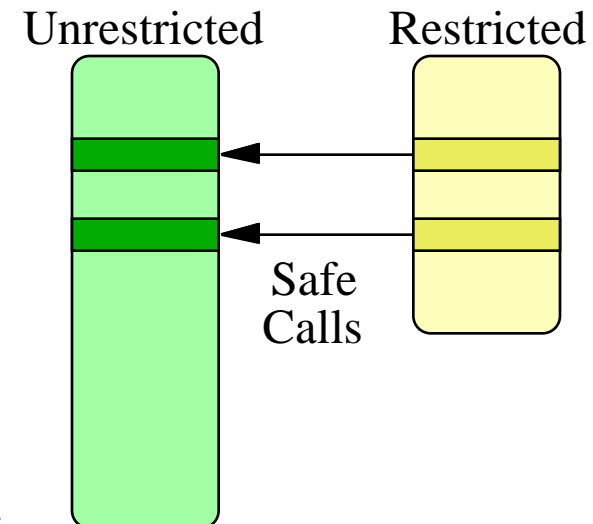
- ◆ **Use scripts to Glue the world together.**
 - Interapplication communication, scripting desktop.
- ◆ **Mobile scripts for Agents or Executable Content.**
 - Active Email, Web Pages, etc.





Protecting The Environment In Tcl

- ◆ **Dual interpreters** (like kernel/user space).
- ◆ **Unrestricted interpreter** (like kernel space) for user and receiving application.
- ◆ **Incoming Tcl script executes in restricted interpreter** (like user space): no dangerous commands.
- ◆ **Safe calls** from restricted interpreter back to unrestricted interpreter (like kernel calls).





What's next?

- ◆ **Finishing the Plugin**

- More flexible security policies
- Authentication & Encryption
- Powerful communication schemes

- ◆ **Tcl in bed with embedding.**

- ActiveX components, OpenDoc parts.

- ◆ **Tcl as the container.**

- ActiveX, OpenDoc.
- Java Beans - the cross platform component system.



Software Agents Mailing List

- ◆ **Mailing list for the topic of agents.**
 - Discussions relating (however loosely) to agents.
 - First started in early 1994.
 - Membership has grown to over 1300.
- ◆ **How to subscribe.**
 - Send message to listserv@sunlabs.sun.com.
 - In the **body** of the message put:
subscribe agents John Doe

(replace John Doe with your real name)