AGENDA

• Introducing the Speaker
• Thin Client vs Rich Client
• The Rich Client
• Two P4V user profiles
• The command line
• Demo
• The Rich Client Framework
• Wait! There is more
• Q&A
INTRODUCING THE SPEAKER

• Looking back
• Thick Client, Fat Client, Rich Client
• The lone gunman
INTRODUCING THE SPEAKER

• Today
• The lonely gunman?
THIN CLIENT VS RICH CLIENT

- PC
- Mobile
- Database
- Remote Server
- Internet
- Mini-Note
- Notebook
- Remote Desktop
- Rich Client
- Content Server
THE RICH CLIENT

• Often a complete solution in one package
• Application logic minimizes server requests
• Provides a rich user experience with a native look and feel
• Often provides means to work offline
TWO P4V USER PROFILES

• Our 'current' user-profile:
  – Starts up P4V in the morning
  – Leaves it up, and running
  – Uses P4V for every possible Perforce task

• The 'other' user-profile:
  – Only uses certain P4V components
  – Starts up P4V for these components
  – Exits
  – Does it again
THE OTHER USER
WOULDN’T IT BE NICE….

- If you could launch only the component you are interested in
- If it would be like executing p4 commands
- If you would still get P4V scaleability
P4V ships with a command-line utility named 'p4vc'.

Its options, arguments, and behavior match p4.

Commands use p4v terminology.

All commands launch a GUI component.
THE COMMAND LINE

- p4vc [options] command [arguments]

- Noteworthy commands:
  - revgraph
  - timelapse
  - diffagainst
  - resolve
  - streamgraph
p4vc [options] command [arguments]
THE RICH CLIENT FRAMEWORK

Requirements:

- Any platform that P4V ships on has to support the Rich Client Framework
- No configuration required
- One instance serves many components
THE RICH CLIENT FRAMEWORK

Consumer 1 ➔ Request 1 ➔ Rich Client Framework

Consumer 2 ➔ Request 2 ➔ Rich Client Framework

Consumer 3 ➔ Request 3 ➔ Rich Client Framework

Revgraph
Component 1

Folder Diff
Component 2

Diff Dialog

Component 3 CLOSED

Perforce Software
2011 Perforce User Conference
Applications calling P4V components use the Rich Client Framework
  - P4Win
  - P4Exp
  - P4Eclipse

No longer will you get a separate P4V instance for every request