

# SPEC SFS Update

Spencer Shepler - IBM  
David Robinson - SunSoft



# Overview

- ◆ What is SPEC
- ◆ SFS Steering Committee
- ◆ SPEC Web Site
- ◆ SFS 2.0
- ◆ Does SFS Meet Vendor and Customer Needs?

# What is SPEC

- ◆ Standard Performance Evaluation Corporation
- ◆ 40 Member Companies
- ◆ Open Systems Group
  - CPU
  - SFS
  - SDM
- ◆ High Performance Group
- ◆ Graphics Performance Characterization Group

# SFS Steering Committee

- ◆ Spencer Shepler (IBM) - Chair
- ◆ David Robinson (Sun) - Vice-Chair
- ◆ Judy Piantedosi (Digital) - Recorder

Sun

HP

IBM

Digital

Auspex

Network Appliance

Open

# SPEC Web Site

- ◆ <http://www.specbench.org/>
- ◆ General SPEC Information
- ◆ Results
  - Timely Reporting (2 weeks)
  - Searchable

# SFS 2.0

- ◆ Mid-1996 Release
- ◆ NFS V2
- ◆ NFS V3
- ◆ Metrics

# NFS V2

- ◆ Updated Mix Percentages
- ◆ Multiple Directories
- ◆ Working Set Sizes
- ◆ Access Percentage and Pattern
  - Markov vs Position
- ◆ Variable File Sizes

# NFS V3

- ◆ New Operations
- ◆ Updated Mix
- ◆ TCP



# Metrics

- ◆ SPECnfs\_A93 Ops/Sec
- ◆ SPECnfs\_A93 Users
- ◆ SPECnfs96.V2 Ops/Sec
- ◆ SPECnfs96.V3 Ops/sec
- ◆ Latency Factor

# Does SFS Meet Vendor and Customer Needs?

Smaller Servers?  
More Reporting?