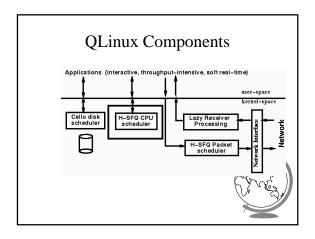
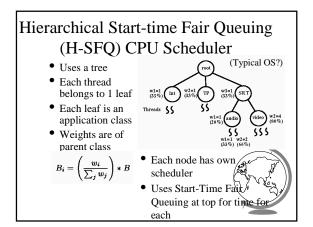
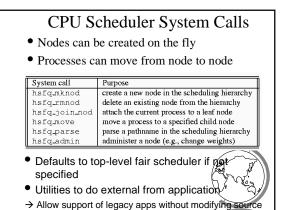


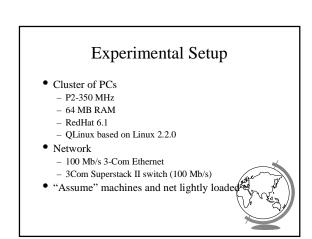


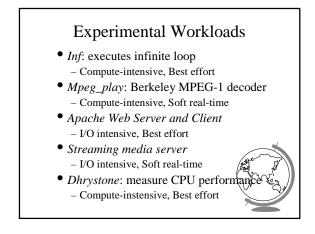
- Support binaries of all existing applications (no special system calls required)
- No worse performance (but may be better)







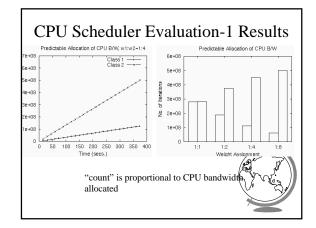




CPU Scheduler Evaluation-1

- Two classes, run Inf for each
- Assign weights to each (ex: 1:1, 1:2, 1:4)
- Count the number of loops

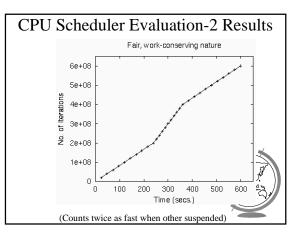




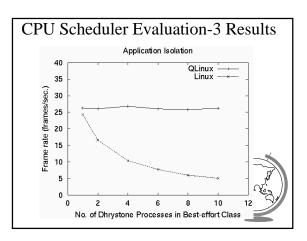
CPU Scheduler Evaluation-2

- Two classes, equal weights (1:1)
- Run two Inf
- Suspend one at t=250 seconds
- Restart at t=330 seconds
- Note count





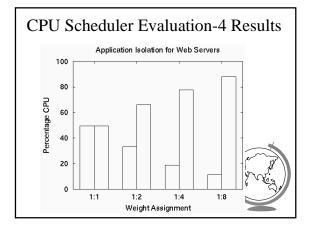
CPU Scheduler Evaluation-3 Two classes: soft real-time & best effort (1:1) Run: MPEG_PLAY in real-time (1.49 Mbps) Dhrystone in best effort Increase Dhrystone's from 1 to 2 to 3 ... Note MPEG bandwidth Re-run experiment with Vanilla Linux



CPU Scheduler Evaluation-4

- Explore another best-effort case
- Run two *Web servers* (representing, say 2 different domains)
- Have clients generate many requests
- See if CPU bandwidth allocation is proportional





CPU Scheduler Overhead Evaluation

- Scheduler takes some overhead since recursively called
- Run *Inf* at increasing depth in scheduler hierarchy tree
- Record count for 300 seconds



