



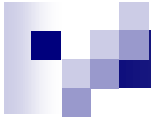
Grid Network Infrastructure



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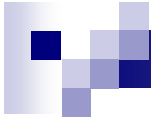
Two Network Models

■ Black Box

- ☐ Can Only Probe from the Outside
- ☐ No Control or Requests
- ☐ Unexpected Changes May Occur at Any Time

■ Managed Network

- ☐ Network Will Report It's State
- ☐ Changed Bandwidth/Topology on Request
- ☐ Notification of Schedules and Changes



Network Control

Should we address network control?

- Quality of Service

- ☐ RSVP, Diffserv, Packet Shaping, MPLS

- Bandwidth Management

- ☐ Link Establishment

- ☐ Scheduling

- ☐ Dynamic Bandwidth Allocation

- ☐ Firewall Control