Shrink: Greening CDN Datacenters

1. Introduction
   1. Why saving CDN energy is important?
   2. What are the limitations of prior work?
   3. What do we seek to accomplish?
2. Background
   1. Comparison to server shutdown work
   2. Comparison to network shutdown work
   3. Comparison to work showing advantages of placement
3. Research goals:
   1. Energy
   2. Performance & availability
4. Research outline
   1. Algorithm design
      1. Load balancing
         1. Load balancer will place content so that despite server shutdown, most content is available.
         2. Responsiveness to server shutdown policies.
      2. Server power management
      3. Traffic engineering
   2. Implementation
   3. Datasets
   4. Evaluation outline