Infostations

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Background and Motivation

- High data rate
- Low power
- Automatic access
In isolated coverage areas to
- Non-urgent information
- Particularly suited to pushing
  - Popular
  - Location-dependent
Inforamtion

Infostation = 802.11 AP + PC + software

Mobile users with laptops, PDAs
Current Status

- Initial prototype
  - Data carousel
  - Infostation multicasts index and data items + receives requests
  - Client software analyzes index, subscribes to multicast groups for items of interest (based on prior subscriptions), and issues requests for items/fragments that are not already scheduled
- Application for distributing course material
- Analysis of how to allocate bandwidth between popular and unpopular items

Workplan

- Enhance existing prototype
- Develop new applications
- Integrate with
  - 7DS (w/ Schulzrinne, Ross)
  - zDelta, zSynch (w/Suel)
  - Cellular network