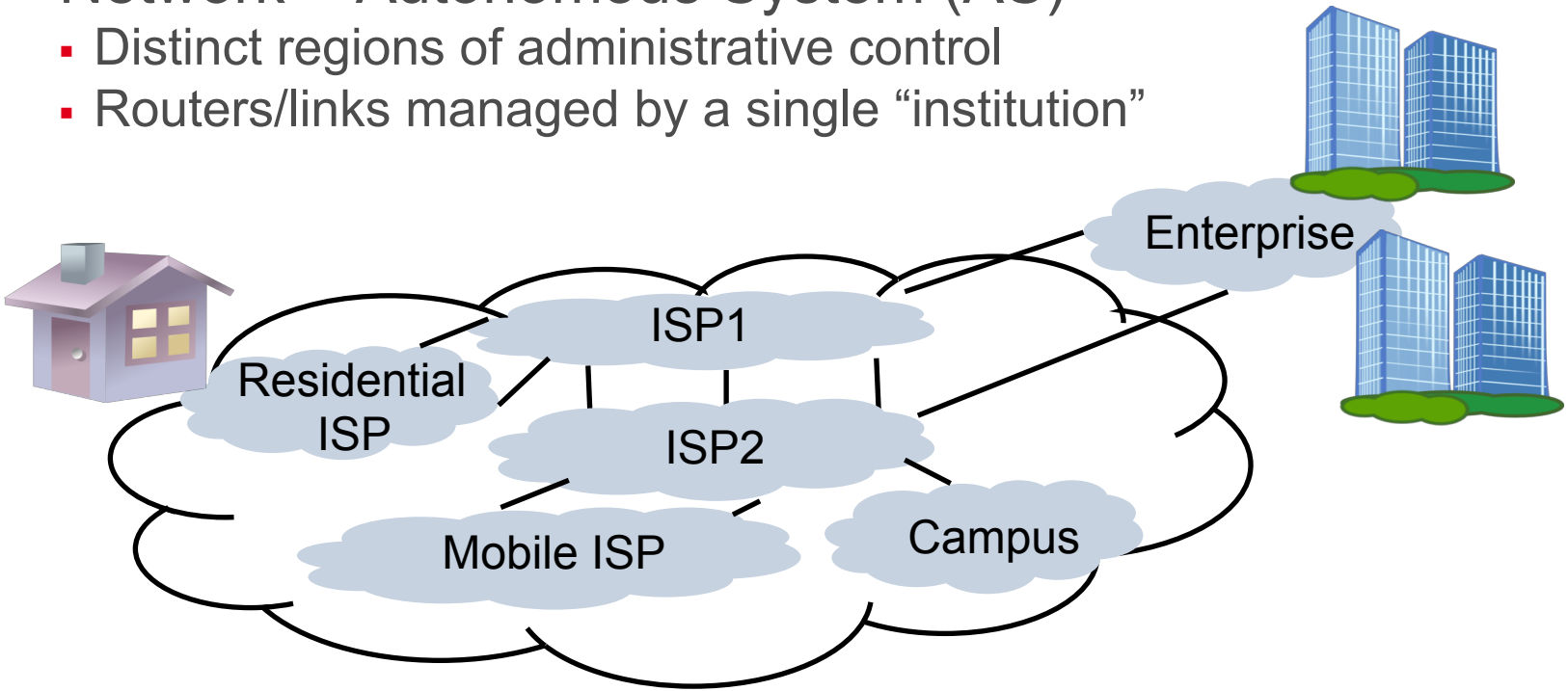
Week 1: Introduction

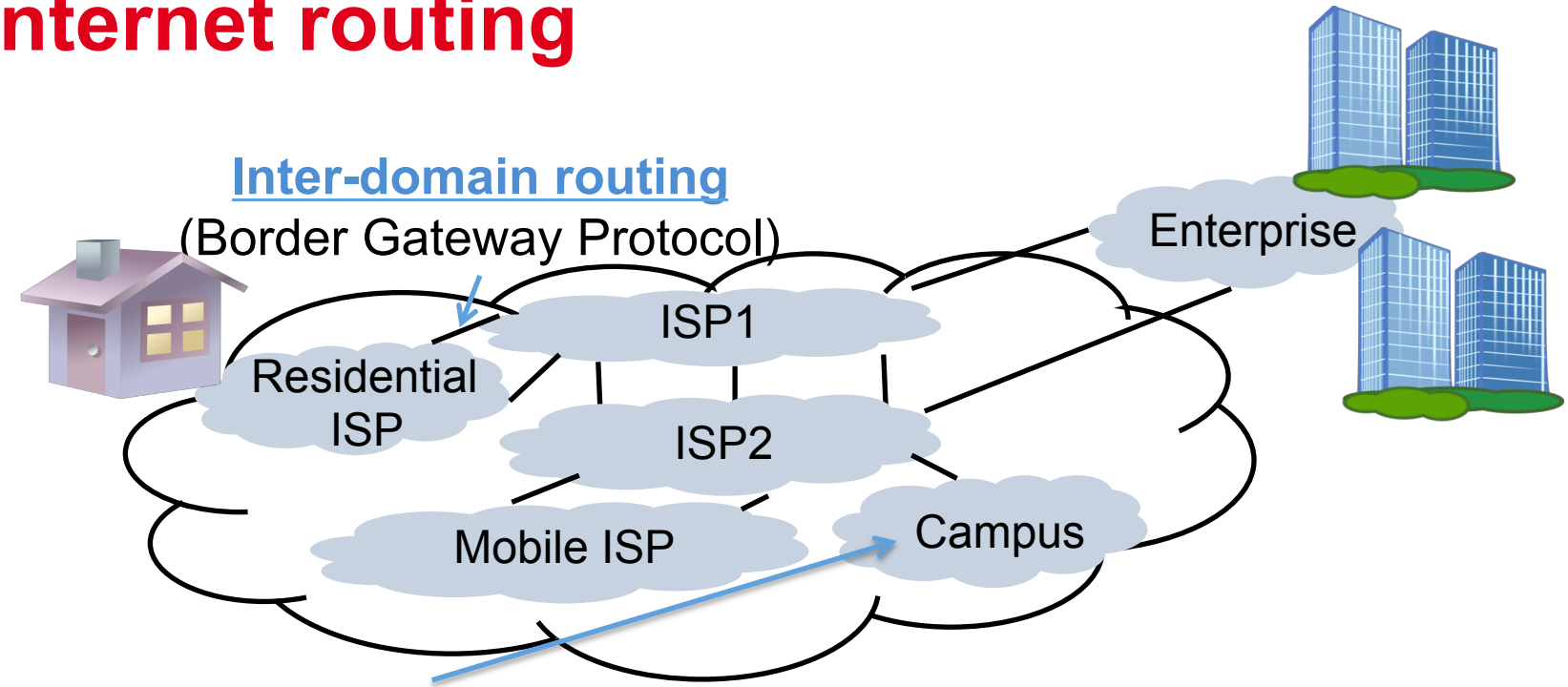
1. Course presentation
2. **Background: Internet infrastructure**
3. Types of measurements
4. Measurement platforms
5. Sound measurement practices
6. Ethical issues
7. Conclusion

Internet: a network of networks

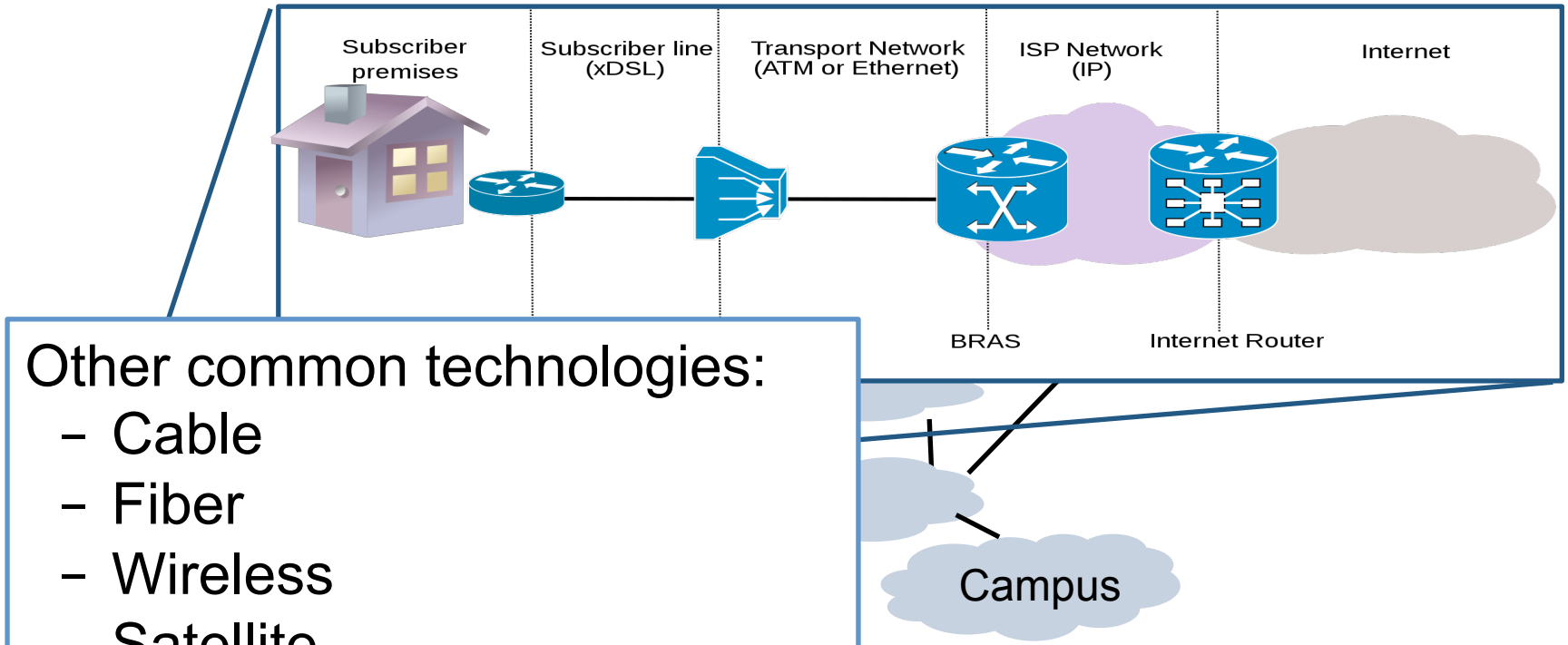
- Network = Autonomous System (AS)
  - Distinct regions of administrative control
  - Routers/links managed by a single “institution”



Internet routing



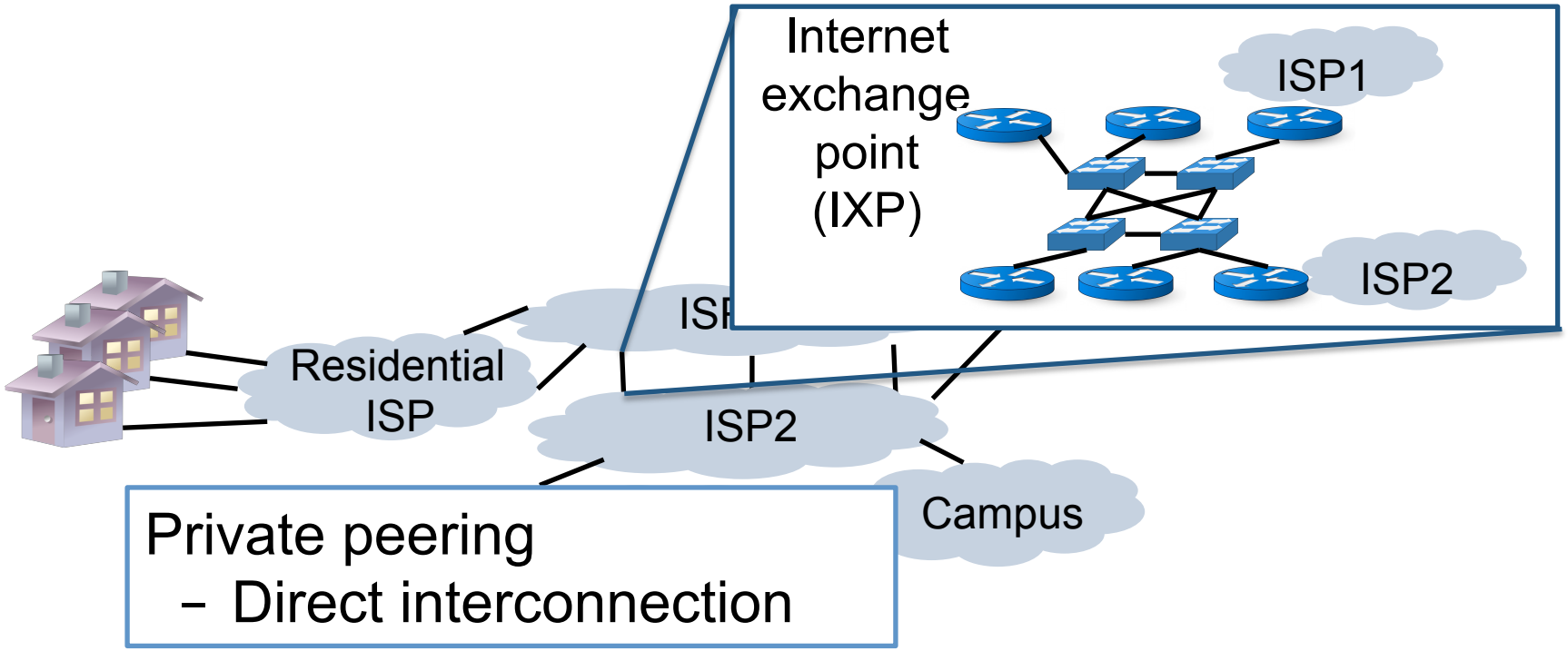
Internet technologies: Access



Other common technologies:

- Cable
- Fiber
- Wireless
- Satellite

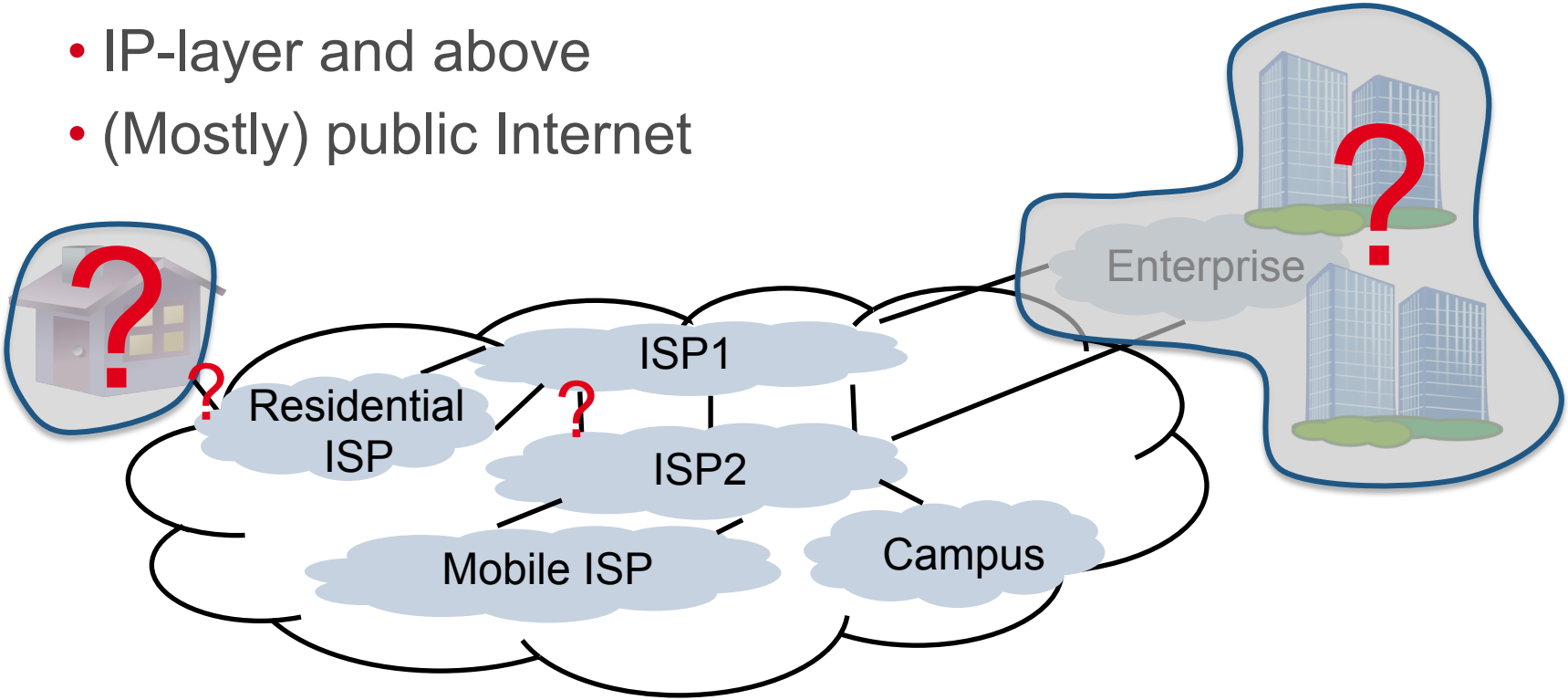
Internet technologies: Inter-domain links



Private peering
- Direct interconnection

Class scope

- IP-layer and above
- (Mostly) public Internet



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