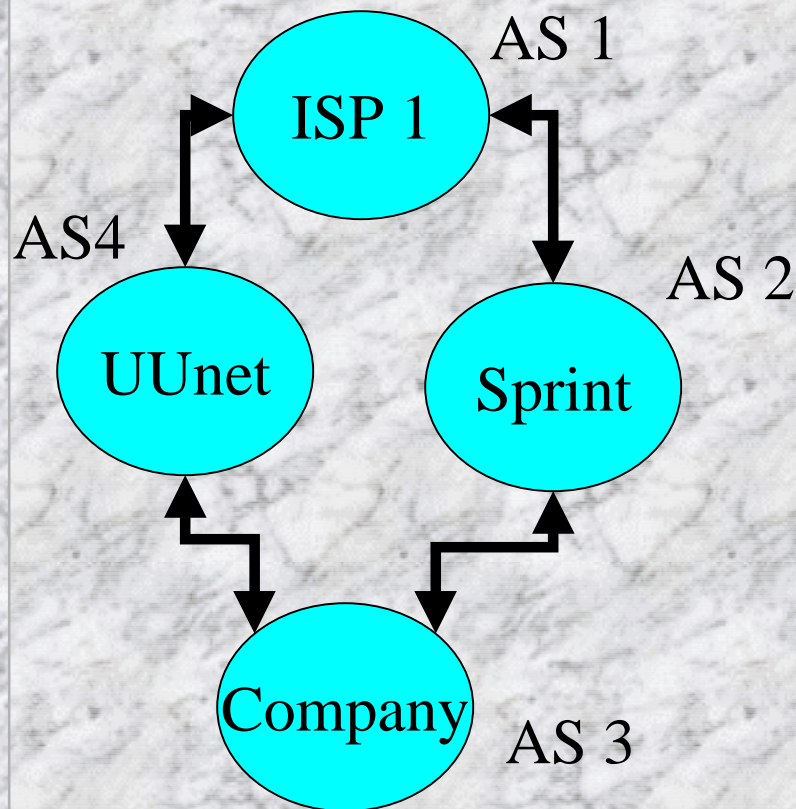


Session 4:
Securing the Internet's
Exterior Routing Infrastructure

Exterior Routing in the Internet



- Inter-Domain Routing
 - Connects ISPs, NSPs, company's
- BGP-4 is the Inter-Domain Routing Protocol
- BGP Infrastructure is policy routing in use

Securing Inter-Domain Routing

- Securing involves identifying
 - Vulnerabilities of BGP
 - Whether attacks or errors cause problems to the infrastructure
 - Countermeasures
 - Whether we have threats at this time?

Panelists

- Dr. Sandy Murphy (TIS Labs)
 - BGP Vulnerabilities and Possible Solutions
- Curtis Villamizer (ANS)
 - Improving Internet Routing Robustness
- Dr. Tony Li (Juniper)
 - BGP Origin Authentication
- Dr. Charles Lynn (BBN)
 - Secure Border Gateway Protocol (S-BGP)