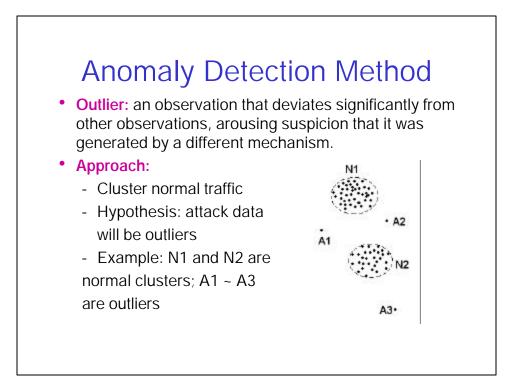
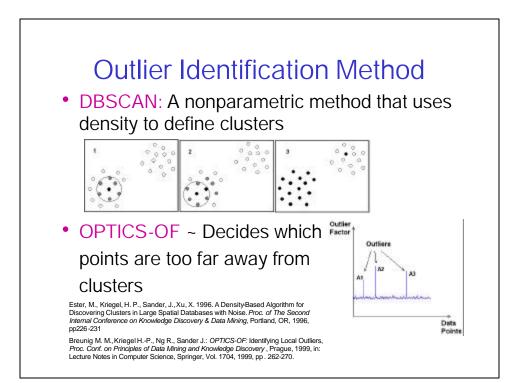
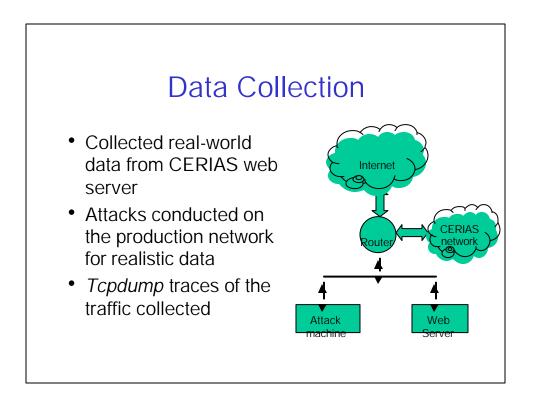


Goal: Automatic Detection

- Problem:
 - No reliable DoS detection mechanism
- Current methods:
 - · Limited signature based detection
 - Manual scanning of huge logs looking for a needle in a haystack
- Proposed method: Anomaly detection deviations from normal patterns might potentially signal DoS







Traffic Features Collected

- Mean and standard deviation of the inter-arrival time over various window sizes
- IP features
 - source IP address
 - destination IP address
 - protocol
 - fragmentation offset
 - checksum

Higher layer features

- ports
- TCP flags
- proportion of protocols in traffic

