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Responding to a Denial of Service Attack

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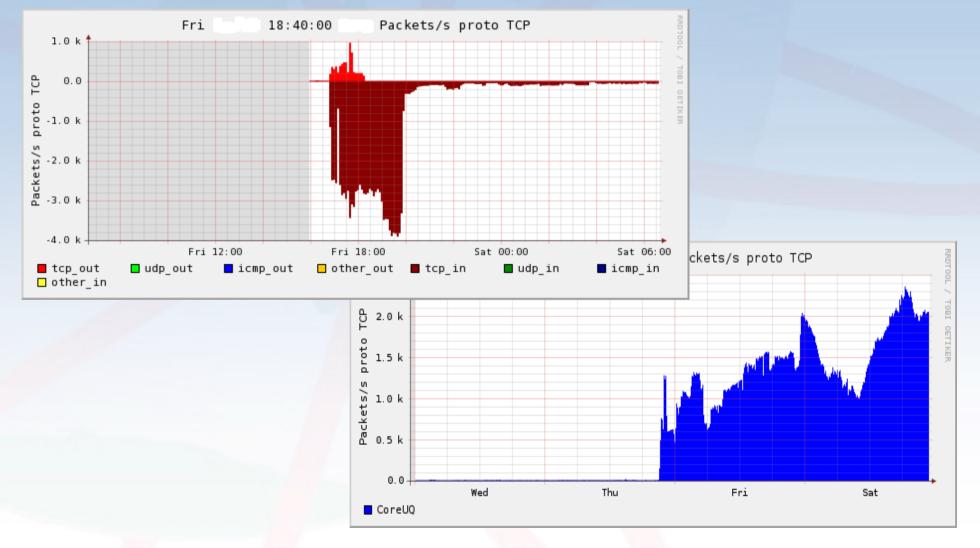
The impact on a networked society can be severe; a **DDoS** attack can disrupt an entire economy...



Image courtesy of the University of Texas Libraries, The University of Texas at Austin.



AusCERT targeted...





Develop standard operating procedures

Keep an up-to-date contact list

Understand your 'normal'







... not a mis-configuration or power outage

... not the 'Slashdot Effect' or self-promotion

So... what type of attack is it?





Follow the plan you developed earlier

Begin recording your actions

Communicate...





Implement upgrades or workarounds

Look for patterns

Switch over to standby systems

Disable services

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...CERTs

...your peer organisations

...your up-stream provider

seeking assistance







Logging can be overwhelmed

Other services may be targeted

Disabled services don't produce logs





Inform any involved parties

Reverse any configuration changes

Review and lessons learned

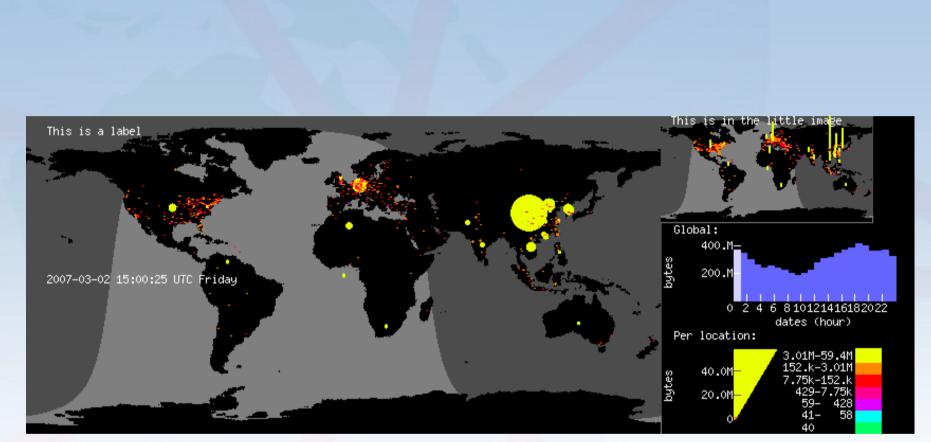




- Monitoring and providing advice about threats and vulnerabilities
- Incident response and mitigation assistance for ongoing attacks
- Performing analysis of malware to understand the nature of the threat
- Aggregation and collation of data in order to develop metrics on how the threat is changing

Questions?





Graphic representation of DDoS attack against AusCERT in March 2007