

Surviving Internet Catastrophes

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Outline

- Motivation
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- Surviving Catastrophes
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 - Heuristic Techniques
- Phoenix Recovery Service
- Conclusion

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Motivation



- There's a lot virulent Internet pathogens these days such as worms, email viruses.
- Internet catastrophe: results in extensive wide spread damage costing billions of \$
- Zero-day worm exploit very soon after patches were released
- Defenses are necessary but not sufficient
- A new system design to survive the Internet catastrophes is required

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Introduction



- Informed Replication
- Phoenix Recovery Service
- Heuristic Techniques to compute cores

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