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How Chrome Monitors CT Logs

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Recap of Chrome's CT Policy

- 99% Availability
  - Endpoints must be healthy and public
  - Also applies to Static CT Log tiles
- 100% Correctness
  - Log contents must be consistent
  - Log must not violate MMD
  - Valid proofs
- 101% Communication
  - Incident reports
  - Maintenance, downtime

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Chrome's CT Compliance Monitor: Monologue

- An evolution of a v1 monitor
- Has near real-time and periodic checks for:
  - Availability
  - Cert inclusion
  - Tree consistency
- Availability numbers published daily

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Incidents

- Handled by Chrome Security engineers on rotation
- Goal is to respond within 24 hours
- Weekly triage of open incidents
- Incidents can come from other sources such as SCT Auditing

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Incident Response

- Internal investigation by incident commander
  - Check log correctness, availability
  - Check for potential issues with monitoring
  - Escalate
- Incident commander may reach out to log operator
- Public discussion on ct-policy@
- May eventually need to retire the log
  - Check potential impact of removal

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