

Timeline (Contd.)

- Two issues made things worse
 - Primaries searching for potential replicas did not back off
 - A race condition existed in EBS code that was only triggered by high request rates: activated now, caused more node failures
- *5.30 AM: Error rates and latencies increase again*
- Re-mirroring is negotiation b/w EC2 node, EBS node, and EBS control plane (to ensure 1 primary)
 - Due to race condition, EBS nodes started to fail
 - Rate of negotiations increased
 - Caused more node failures (via race), and rinse-n-repeat
 - “Brown-out” of EBS API functionalities
- *8.20 AM: Team starts disabling all communication b/w EBS cluster in affected av. zone and EBS control plane*
 - Av. zone still down, but control plane recovering slowly