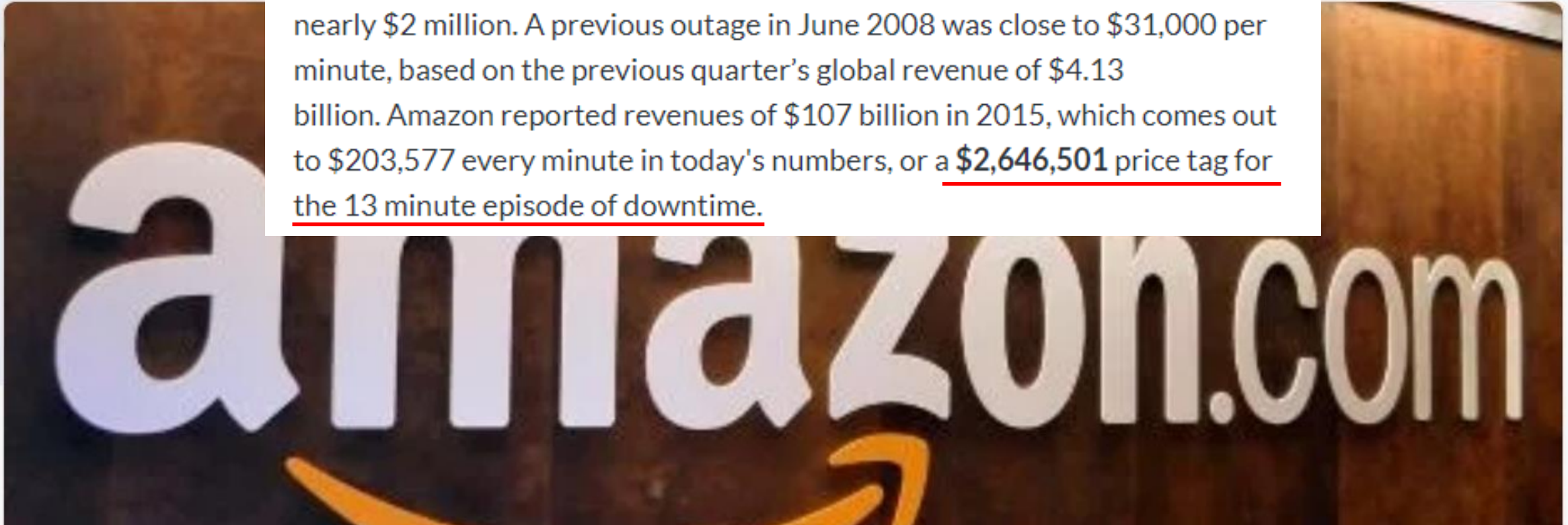# Monitoring

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The Cost of Downtime At The World's Biggest Online Retailer

How much did that misconfiguration or software bug actually cost the world's #1 online retailer? In 2013, Forbes famously calculated the cost associated with the eTailer's most critical outage that year. Based on Amazon's 2012 net sales, it was determined that outage cost Amazon $66,240 per minute—or nearly $2 million. A previous outage in June 2008 was close to $31,000 per minute, based on the previous quarter's global revenue of $4.13 billion. Amazon reported revenues of $107 billion in 2015, which comes out to $203,577 every minute in today's numbers, or a **$2,646,501** price tag for the 13 minute episode of downtime.

Monitoring

- Monitoring lets you know about:

    - Problems before they occur

    - Problems After they occur

    - What's going on with your API

Importance of Monitoring

- Your clients expect the API to always work

- Without monitoring – it won't happen

What To Monitor?

Requests / Sec	# of Failures	Latency	CPU
# of Users	# of Sessions	Geographic Distribution	RAM

Monitoring Example

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