SRE ASIA CON PACIFIC

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How to Champion SRE investment to Different Levels of Leadership

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This Session Advanced Intermediate Basic

Stages of SRE Adoption

CEO / CTO
SLOs &
Error Budgets

VP / Director
Automated Metrics &
Continuous Learning

Manager / Lead
Incident Management



Pre-SRE Commitment

Stages of SRE Adoption

Per stage:

- Definition
- Case Study
- Incentive
- Resistance
 - Counters
 - Action

CEO / CTO SLOs & Error Budgets

VP / Director
Automated Metrics &
Continuous Learning

Manager / Lead
Incident Management



Pre-SRE Commitment

The Art of Persuasion

Inception: You vs. Them



The Art of Persuasion

LED

- Logic
- Emotions
- Data





Incident Management includes:

- Incident Response Playbooks
- Measuring Time to Detection/Assemble/ Investigate/Resolution
- Integrations with Monitoring Systems and Ticketing Workflow

Case Study: MasterClass (Celebrity MOOC)



Your Perspective	Manager's Perspective
"I don't want to get paged at 2am"	"You don't want your boss to call you at 5am"
"Automation will reduce context switching for me"	Incidents will get resolved faster
"Playbook will keep me organized and thorough"	You'll get a more dependable process
"I want to measure TTR"	You'll get data to show off how much your team efficiency improved

Resistance to Adoption: **OSAGE** syndrome



Resistance to Adoption: OSAGE syndrome

Our Systems Are Good Enough

Overcoming OSAGE - "Our systems are good enough"

- Our systems are good (acknowledge ego) BUT others are doing it better (FOMO)
- [Action] Create a service catalog on the number of services/ micro-services, and their dependencies - [Action] Roll out a solution in one team, track the trends of TTE and TTR. Decrease in time can lead to rollout to more teams

Common Trap

Do not stop at incident management! It is only a piece of SRE. Otherwise, you reach a local maxima that will fall short long term.



This phase of SRE adoption includes:

- Automated reporting on incident specific metrics (MTTR, customers impacted. etc.)
- Customized dashboards
- Blameless Postmortem / Learnings

Case Study: Procore (Construction SaaS)



Incentives for adoption:

- Removes silos and promotes collaboration
- Reporting to executives and stakeholders is toil
- Preventing future incidents through deep analysis
- Training exercises accelerate engineers' growth and maintain org-wide reliability maturity

Resistance to adoption:

- Incident management is enough
- Reliability is not a priority issue



 Post-mortems are take too much time to write and tedious to review

Resistance: Incident Management is enough

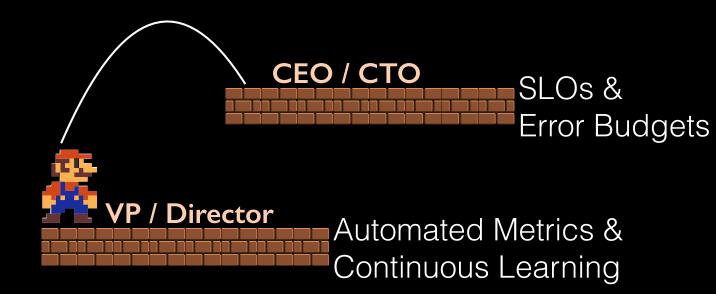
- Without post-mortems, you're not improving. Default path is worse reliability over time.
 - [Action] Do postmortem on the 5-10 past incidents
 - [Action] Generate work items for detection, mitigation and prevention

Resistance: Reliability is not a priority

- Reliability is all existing features combined
- Sum of all features > 1 new feature

Resistance: Post-mortems take too much time to write and tedious to review

- [Action] Find a tool that automates postmortem generation
- [Action] Create metadata schema to automatically generate reports/data (eg. services impacted, customers impacted, contributing factors



This phase of SRE adoption includes:

- User journeys mapped
- · SLOs, SLIs
- Negotiated error budget responses

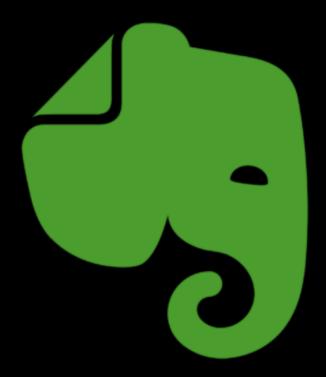
Incentives for adoption:



Incentives for adoption:

- Long-term competitive advantage
- Reliability is feature #1 for customer experience
- Opportunity to drain technical debt and avoid monthslong feature freeze
- Reduce spend on maintenance
- Drive up the right areas of reliability over time

Case Study: Evernote



Resistance: Don't see the connection to business and why SRE should be a company level priority

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Counters	LED
Customer impact	 Expensive Lose brand and customer trust Catch things before SLAs get triggered [Action] Quantify cost of downtime [Action] Quantify brand value and customer sentiment (NPS) vs. reliability
Competitive advantage	- We look worse when competitors resolve incidents faster, or has fewer incidents

Common Trap

Don't expect to have 100 SLOs right away.



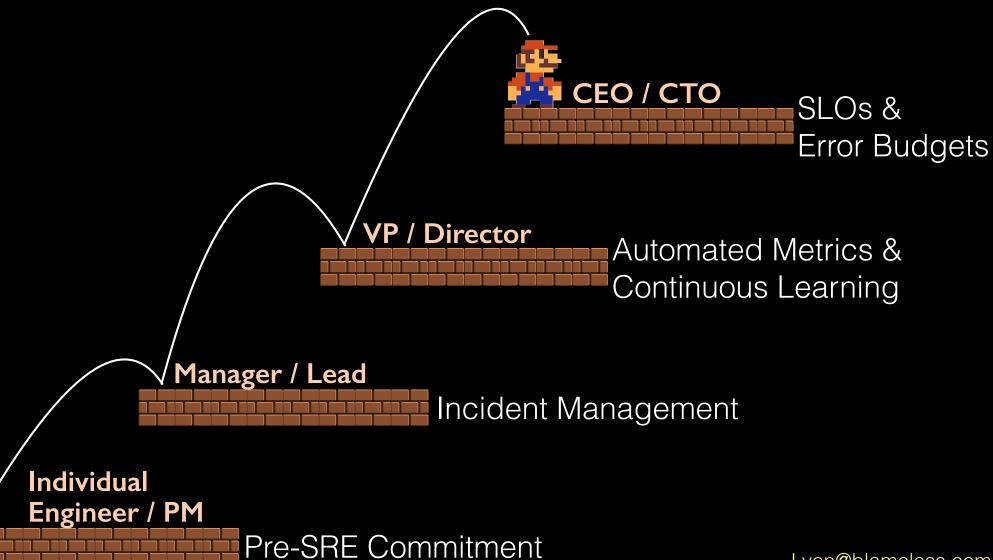
How to Champion SRE Investment to Different Levels of Leadership

- Persuasion always from the other's perspective
 - Logic, Emotion, Data
 - · Higher in management, more robust your argument needs to be
- Incident Management -> Manager/Lead (Masterclass)
 - Overcome OSAGE with LED
 - Don't stop at Incident Management
- Automated Metrics & Continuous Learning -> VP/Director (Procore)
 - Prevention is possible.
 - Default is worse reliability over time.
 - Sum of all features > 1 new feature
- SLOs & Error Budgets -> CEO/CTO (Evernote)
 - Competitive Advantage
 - Drain technical Debt and avoid code freeze
 - Don't expect to have 100 SLOs right away



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Feedback: https://tinyurl.com/SREConPersuasion



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