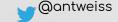
MANY CHANGES, LITTLE FUN

Time to Measure the Value of DevOps



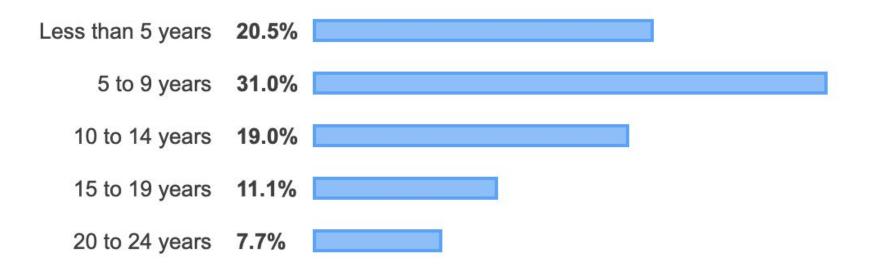




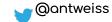
WHOAMI: ANTON (ANT) WEISS antweiss



EXPERIENCE MATTERS

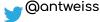






Devs Get Themselves Stuck in a Toilet, Ops Help Them Get Out





THE MAGIC OF DEVOPS

IT Not Working?

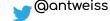
Just Sprinkle Some DevOps On It!





How Bad Was It Before DevOps?

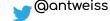




How Bad Was It Before DevOps?

Does DevOps Really Work?



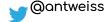


How Bad Was It Before DevOps?

Does DevOps Really Work?

How Do We Make DevOps Work?





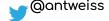
How Bad Was It Before DevOps?

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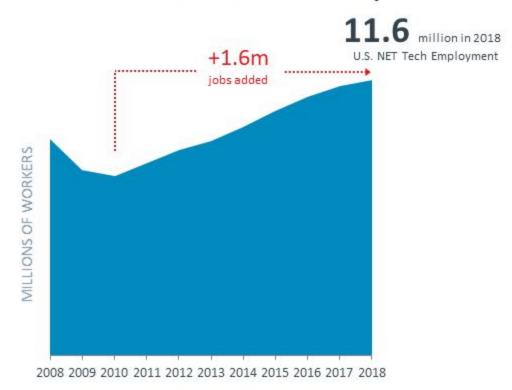
How Do We Make DevOps Work?

Was All This Worth The Hype?



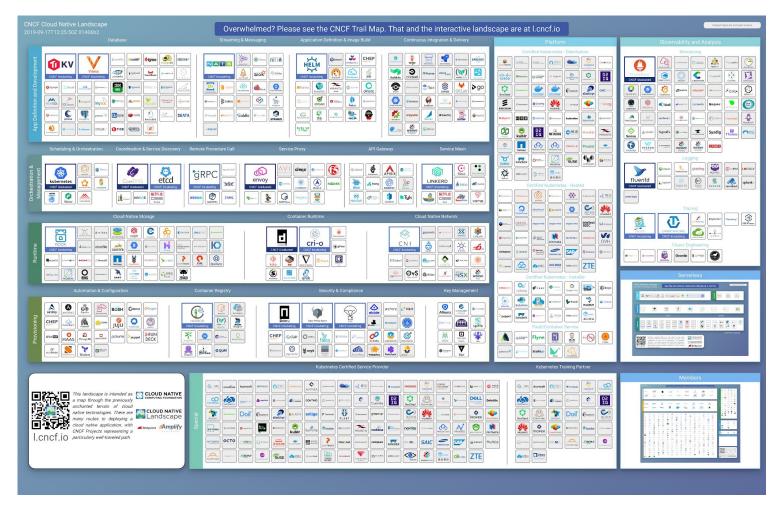


Tech Employment: a Major Contributor to Job Growth in the U.S. Economy

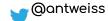






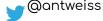






We don't build things to last, we build them to change...

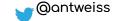




- Culture
- Automation
- Lean Practices
- Measurement
- Sharing

CALMS acronym coined by J. Willis and D. Edwards and expanded by J. Humble

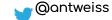




- Culture
- Automation
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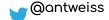
- Culture
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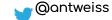
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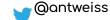
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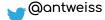




- Culture
- Automation
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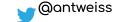


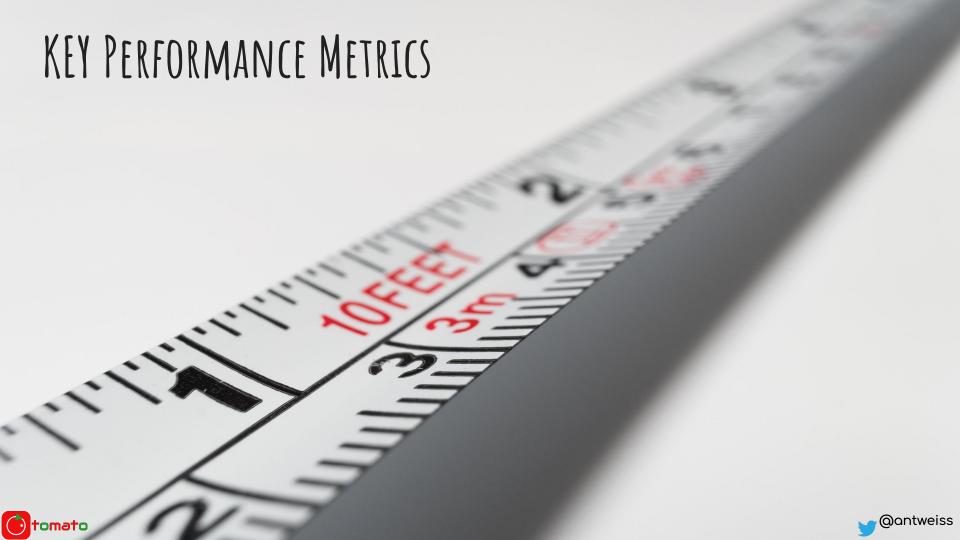


#ASODR - ACCELERATE STATE OF DEVOPS REPORT









Throughput

Stability



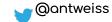


Throughput

- Lead Time for Changes
- DeploymentFrequency

Stability





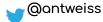
Throughput

- Lead Time for Changes
- DeploymentFrequency

Stability

- Mean time ToRestore Service
- Change Failure Rate





Throughput

- Lead Time for Changes
- DeploymentFrequency

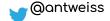
Stability

- Mean time ToRestore Service
- Change Failure Rate

<u>Operational</u>

Availability





Aspect of Software Delivery Performance*	Elite	High	Medium	Low
Deployment frequency For the primary application or service you work on, how often does your organization deploy code to production or release it to end users?	On-demand (multiple deploys per day)	Between once per day and once per week	Between once per week and once per month	Between once per month and once every six months
Lead time for changes For the primary application or service you work on, what is your lead time for changes (i.e., how long does it take to go from code committed to code successfully running in production)?	Less than one day	Between one day and one week	Between one week and one month	Between one month and six months
Time to restore service For the primary application or service you work on, how long does it generally take to restore service when a service incident or a defect that impacts users occurs (e.g., unplanned outage or service impairment)?	Less than one hour	Less than one day ^a	Less than one day ^a	Between one week and one month
Change failure rate For the primary application or service you work on, what percentage of changes to production or released to users result in degraded service (e.g., lead to service impairment or service outage) and subsequently require remediation (e.g., require a hotfix, rollback, fix forward, patch)?	0-15% ^{6,c}	0-15% ^{b,d}	0-15% ^{c,d}	46-60%
mato				@ @ar





BUDDHA ON Olly

Do not believe in anything simply because you have heard it.

Do not believe in anything simply because it is spoken and rumored by many.

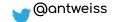
Do not believe in anything simply because it is found written in your religious books.

Do not believe in anything merely on the authority of your teachers and elders.

Do not believe in traditions because they have been handed down for many generations.

But after observation and analysis, when you find that anything agrees with reason and is conducive to the good and benefit of one and all, then accept it and live up to it.





12 DEVOPS FLOW METRICS

http://devopsflowmetrics.org



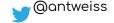


VELOCITY METRICS

- 1. MLT Mean Lead Time
- 2. DCR Daily Change Rate
- 3. MTTE Mean Time To Environment
- 4. MTTD Mean Time To Detect
- 5. MTTR Mean Time To Resolve
- 6. MTTA Mean Time To Approve

http://devopsflowmetrics.org



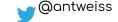


QUALITY METRICS

- 1. BFR Build Failure Rate
- 2. DFR Deployment Failure Rate
- 3. IRFR Infrastructure-Related Failure Rate
- 4. RWR ReWork Rate
- 5. ADR Automated Detection Rate
- 6. UWR Unplanned Work Rate

http://devopsflowmetrics.org





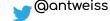
THE 3 LAYERS OF OBSERVABILITY

Business

Application

Infrastructure

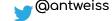




THE 3 LAYERS OF DEVOPS OBSERVABILITY

Operational Metrics **Delivery Metrics**





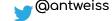
THE 3 LAYERS OF DEVOPS OBSERVABILITY

Operational Metrics

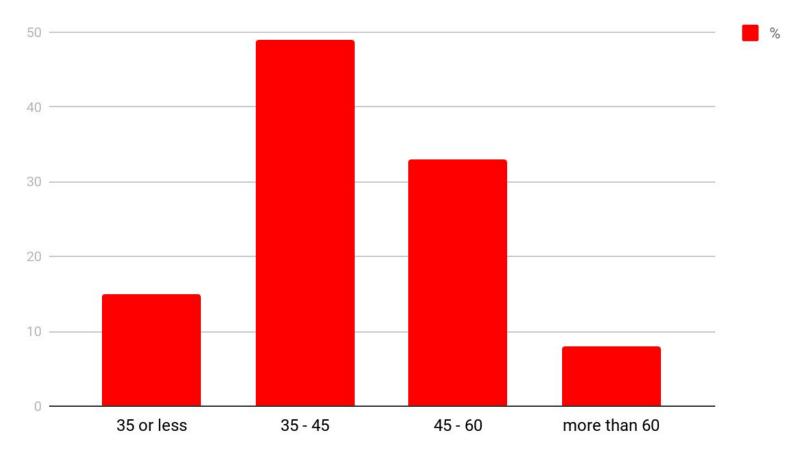
People Metrics

Delivery Metrics





Work Hours Per Week





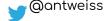


WARNING

if you can't measure it, you can't manage it

W.E.Deming





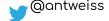
WARNING

It is wrong to suppose that if you can't measure it, you can't manage it

- a costly myth.

W.E.Deming





THANK YOU!



https://otomato.link

https://devopstrain.pro



