

# Avoiding the DevOps pit of misery: Tips from the trenches



Jason Hibbets, Senior Community Architect Opensource.com, Red Hat  
Was: Chris Short, Senior DevOps Advocate, SJ Technologies

# Dilly, Dilly



Image credits: <http://ow.ly/O1aF30ig12B> (Attributed to Adweek, Bud Light)

# What is the DevOps pit of misery?

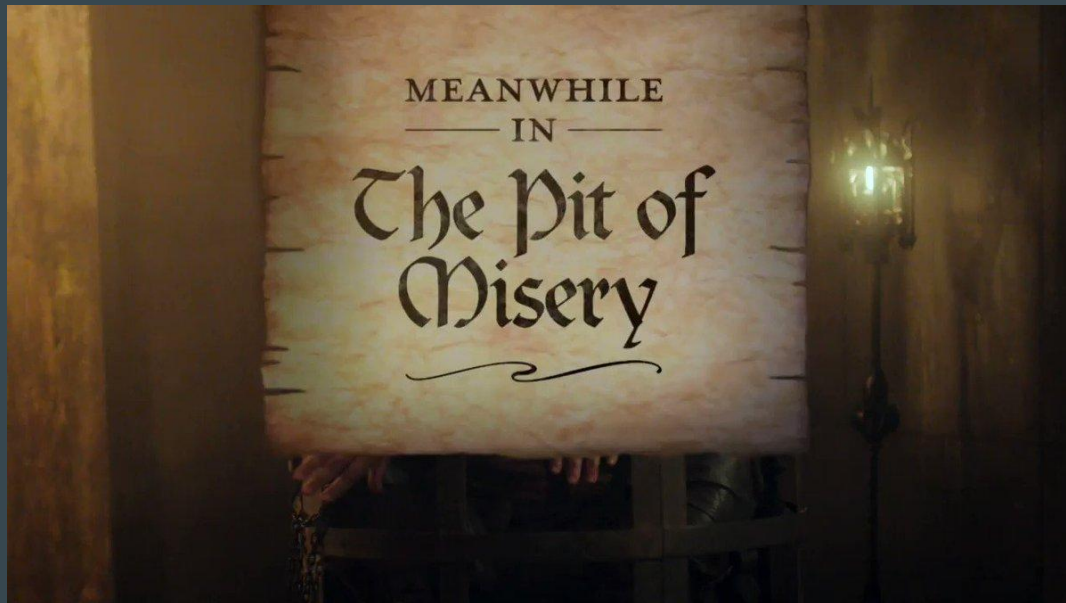


Image credits: <https://twitter.com/budlight/status/934851751655636993> (Attributed to Bud Light)

# What is DevOps?



Image credits: <https://opensource.com/article/18/2/devops-delivers-cool-apps-users> (Opensource.com)

# What DevOps is not



Image credits: <https://opensource.com/article/17/10/dear-devops> (Opensource.com)

# What is the purpose of DevOps?

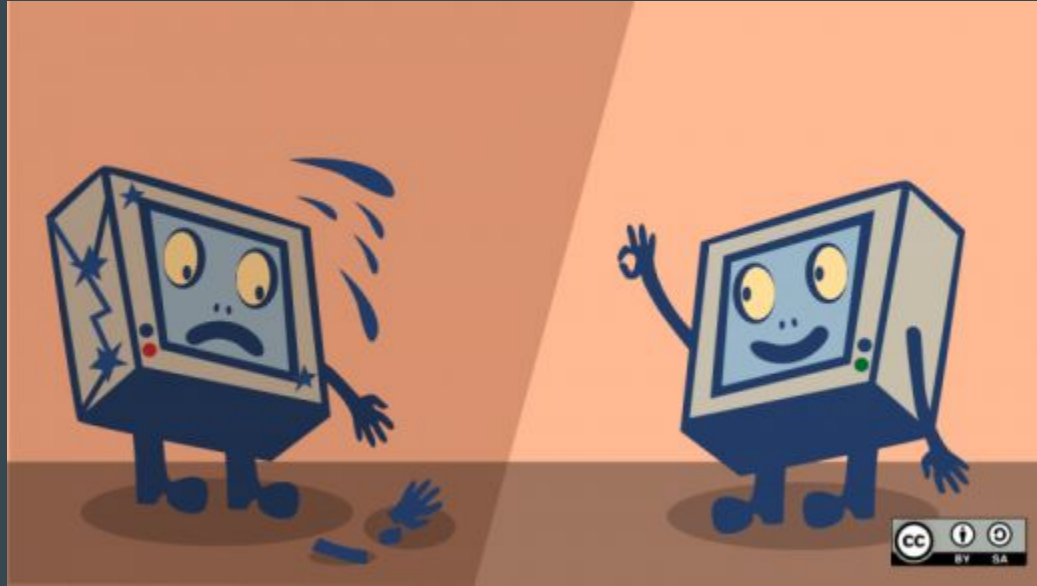


Image credits: <https://opensource.com/article/17/7/state-systems-administration> (Opensource.com)



# Why DevOps?



Image credits: <https://opensource.com/article/16/12/yearbook-linux-test-driving-distros> (Opensource.com)

# 46x

46 times more frequent code deployments

Source: [2017 State of DevOps Report](#) (Puppet Labs)



# 440x

440 times faster lead time from commit to deploy

Source: [2017 State of DevOps Report](#) (Puppet Labs)

# 5x

5 times lower change failure rate (changes are 1/5 as likely to fail)

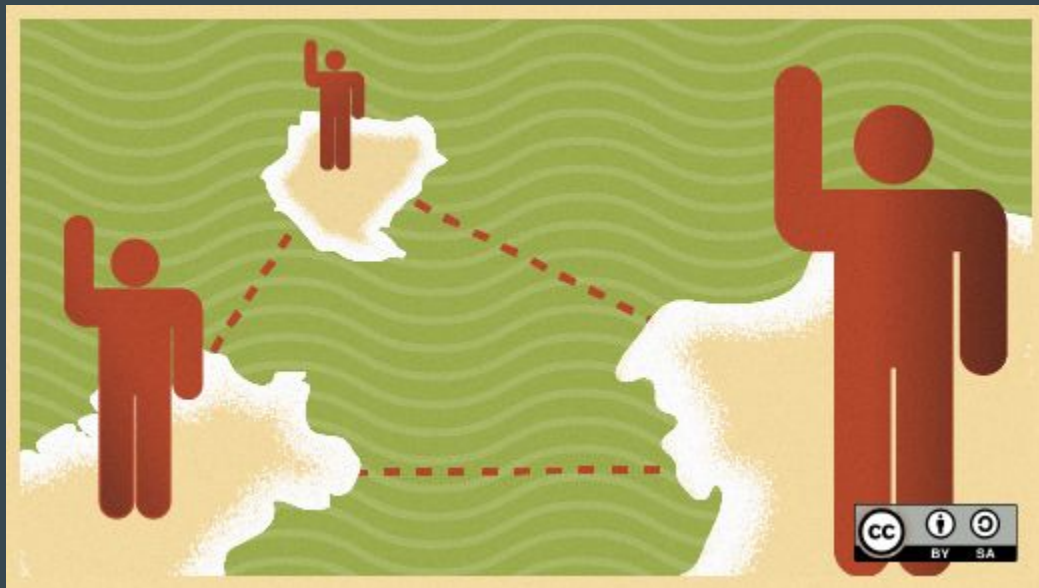
Source: [2017 State of DevOps Report](#) (Puppet Labs)

# 96x

96 times faster mean time to recover from downtime

Source: [2017 State of DevOps Report](#) (Puppet Labs)

# DevOps: The three ways



- The First Way: Systems thinking
- The Second Way: Amplify feedback loops
- The Third Way: Culture of continual experimentation and learning

Source: [IT Revolution](#)

Image credits: <https://opensource.com/article/18/2/essential-roles-devops-culture-success> (Opensource.com)

# Who drives culture in DevOps?



“Writing a few bullet points and printing them on colorful posters is not leadership.” -- Chris Short

Image credits: <https://opensource.com/article/17/12/who-drives-culture-devops> (Opensource.com)

# Why is change so hard?



“The primary need is not overcoming resistance but enabling and supporting people to adapt.” -- Dr. Alison Eyring

[CMO.com](https://cmo.com)

Image credits: <https://opensource.com/article/18/2/essential-roles-devops-culture-success> (Opensource.com)

# 54%

54% of C-suite executives polled by management consultancy A.T. Kearney said that **having a corporate culture unable to embrace digital technologies was one of their biggest barriers.** Source: [CMO.com](https://www.cmo.com)



# Diversity on your team



Image credits: <https://opensource.com/life/16/3/creating-welcoming-and-inclusive-open-source-space> (Opensource.com)

# Diversity & DevOps outcomes



Image credits: <https://opensource.com/life/16/3/creating-welcoming-and-inclusive-open-source-space> (Opensource.com)

# 35%

“Analysis of the data from the group of 366 companies indicates racially/ethnic diverse organizations were 35 percent more likely **to have financial returns above their national industry median**”

Source: [McKinsey & Company Why Diversity Matters](#)

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# Fail early, fail often



Image credits: <https://opensource.com/open-organization/17/4/accountability-by-design> (Opensource.com)

# Why is “failure” so hard?

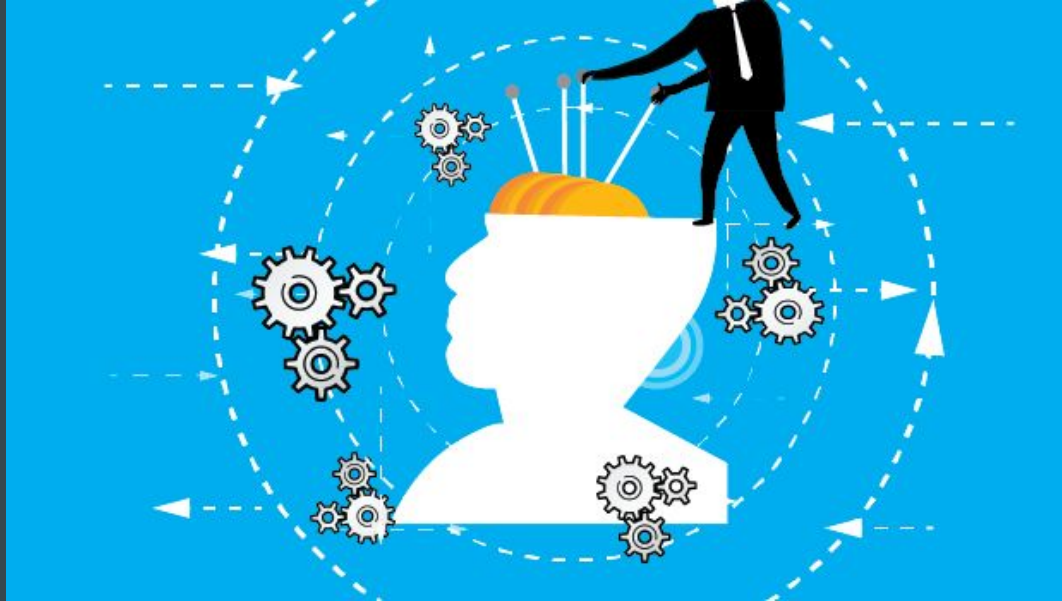


Image credits: <https://enterprisersproject.com/article/2017/10/why-agile-leaders-must-move-beyond-talking-about-failure>  
(Enterprisers Project)

# Tips from the trenches: Avoiding the pit of misery

# Identify your stakeholders

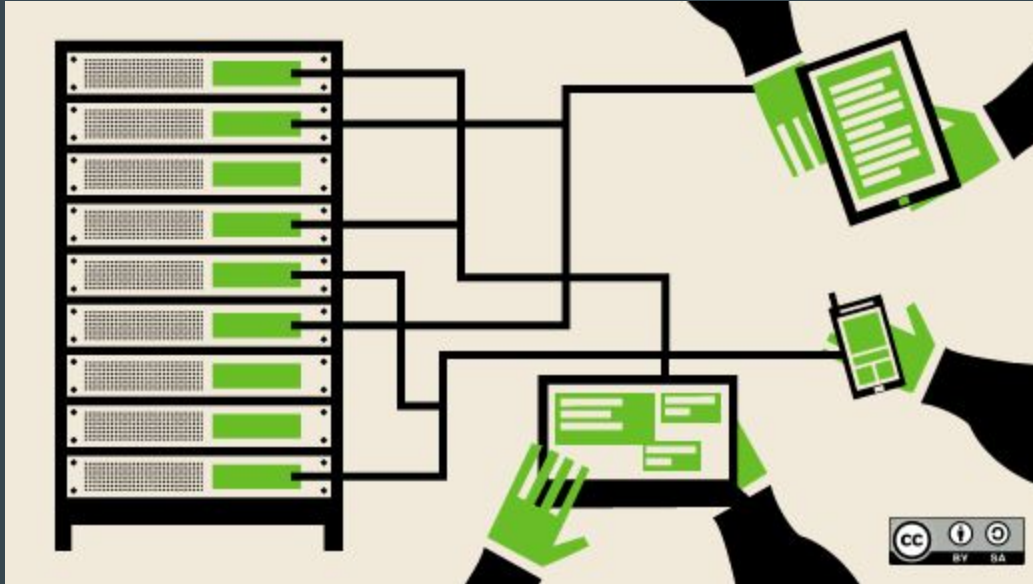


Image credits: <https://opensource.com/open-organization/16/11/exploring-cultures-agility-and-blamelessness> (Opensource.com)



# Set goals \*AND\* measure them



Image credits: <https://opensource.com/open-organization/16/9/culture-trumps-tools-every-time> (Opensource.com)

# Establish processes: Then test and iterate

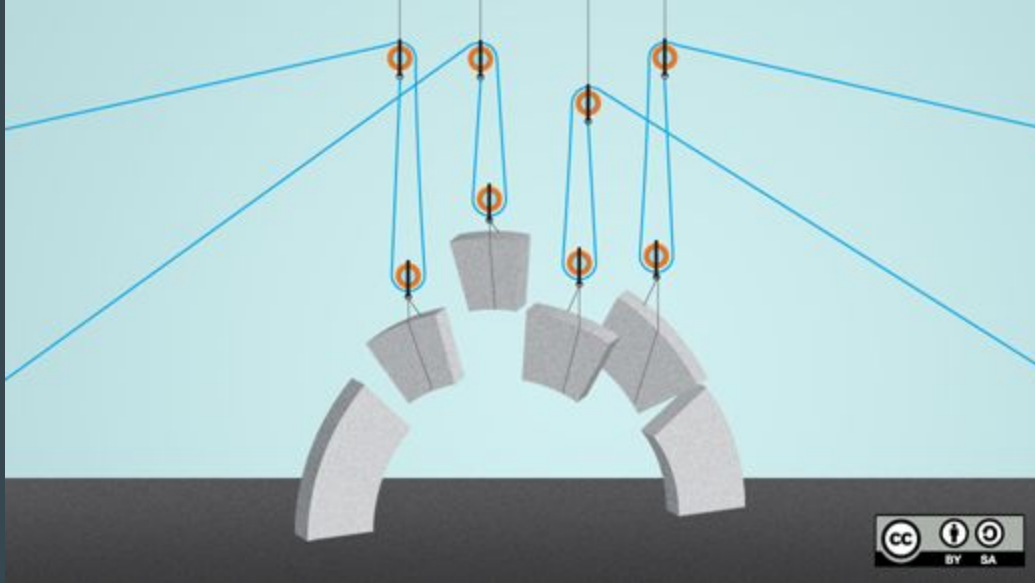


Image credits <https://opensource.com/life/15/5/constructing-open-infrastructure> (Opensource.com)

# Start your delivery

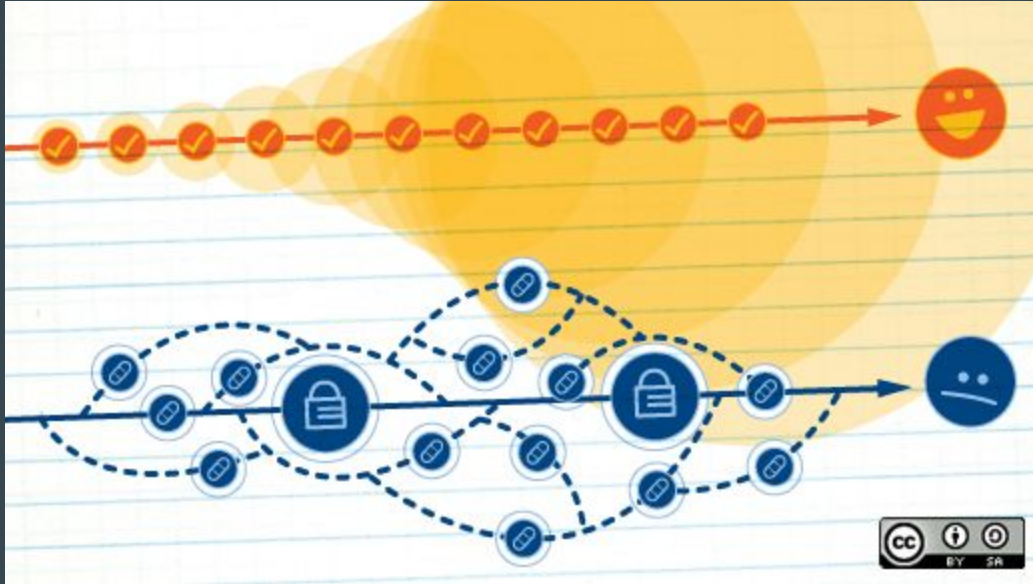


Image credits: <https://opensource.com/business/15/6/interview-jen-krieger-redhat> (Opensource.com)

# Recognition: Successes and failures



Image credits: <https://opensource.com/article/17/10/cascadia-community-builder-award> (Opensource.com)

# Attend events and grow your network



Image credits: <https://opensource.com/article/18/1/foss-tools-agile-teams> (Opensource.com)

# Must read DevOps resources



Image credits: <https://opensource.com/article/17/12/10-must-read-devops-books> (Opensource.com)

# Join the Open Source DevOps Team



<https://opensource.com/devops-team>

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# Contact



Email: [jhibbets@redhat.com](mailto:jhibbets@redhat.com)

Twitter: [@jhibbets](https://twitter.com/jhibbets)



IRC: shibby | Slack: jhibbets

Book: <http://theopensourcecity.com>



Email: [chris@chrisshort.net](mailto:chris@chrisshort.net)

Twitter: [@ChrisShort](https://twitter.com/ChrisShort)



IRC | Slack: ChrisShort

Site: <https://devopsish.com/>

Slides: <https://github.com/jhibbets/presentations>