



Jenkins 2.0!

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JENKINS



20

Hudson



[ENABLE AUTO REFRESH](#)

- [New Job](#)
- [Configure](#)

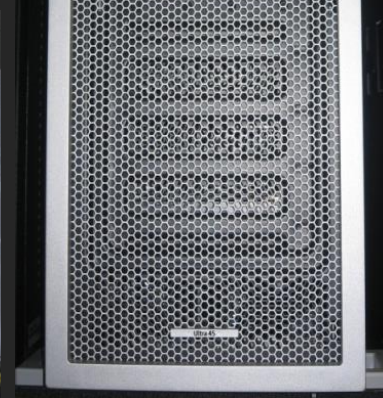
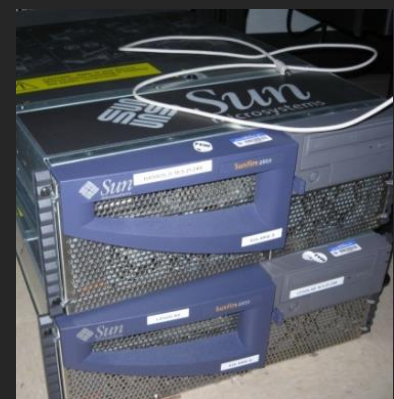
Build Queue	
jax-fast	
jax-fast-2.0	
jaxb-ri	

Build Executor Status	
No.	Status
1	Building jaxb-ri #397

Job	Last Success	Last Failure	Last Duration
java.net cvs keep-alive	25 minutes (#389)	N/A	1 seconds
java.net log processor (daily)	8 hours (#4)	N/A	1 minutes
java.net log processor (weekly)	4 days (#1)	N/A	4 minutes
java.net mail automation	2 hours (#20)	N/A	0 seconds
java.net version check	20 minutes (#319)	6 days (#160)	3 seconds
javadoc	10 hours (#19)	1 days (#18)	11 minutes
jax-fast	30 minutes (#354)	1 days (#335)	9 minutes
jax-fast-2.0	1 hours (#134)	36 minutes (#135)	8 minutes
jaxb-ri	43 minutes (#396)	1 hours (#393)	6 minutes
msv nightly	19 hours (#9)	N/A	15 minutes
stapler	7 days (#39)	9 days (#38)	17 seconds
txw	7 days (#9)	7 days (#6)	44 seconds
xsom	10 days (#6)	N/A	1 minutes

[for all](#) [for failures](#)



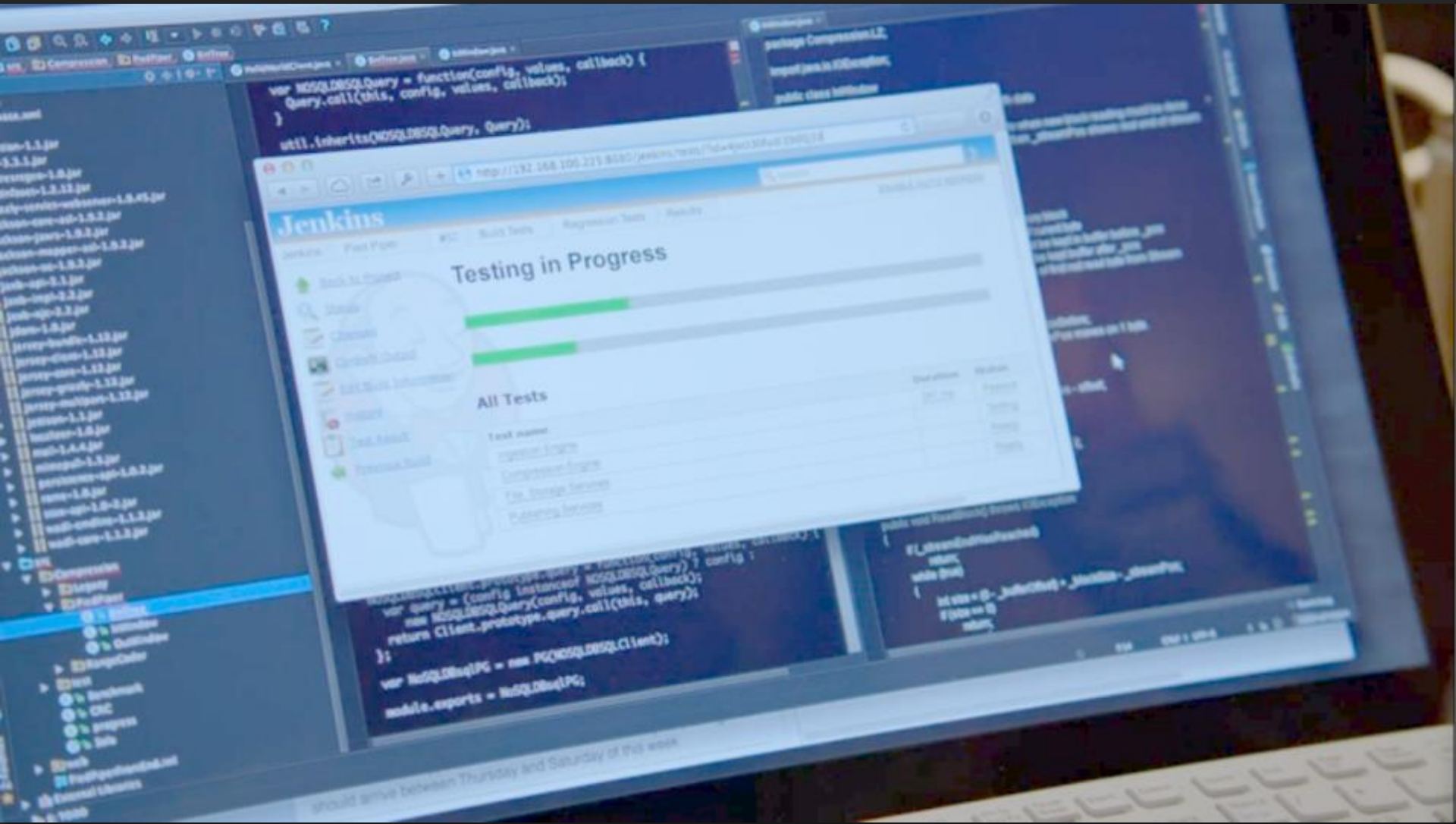


of build slaves as of 2016 Feb

400,000





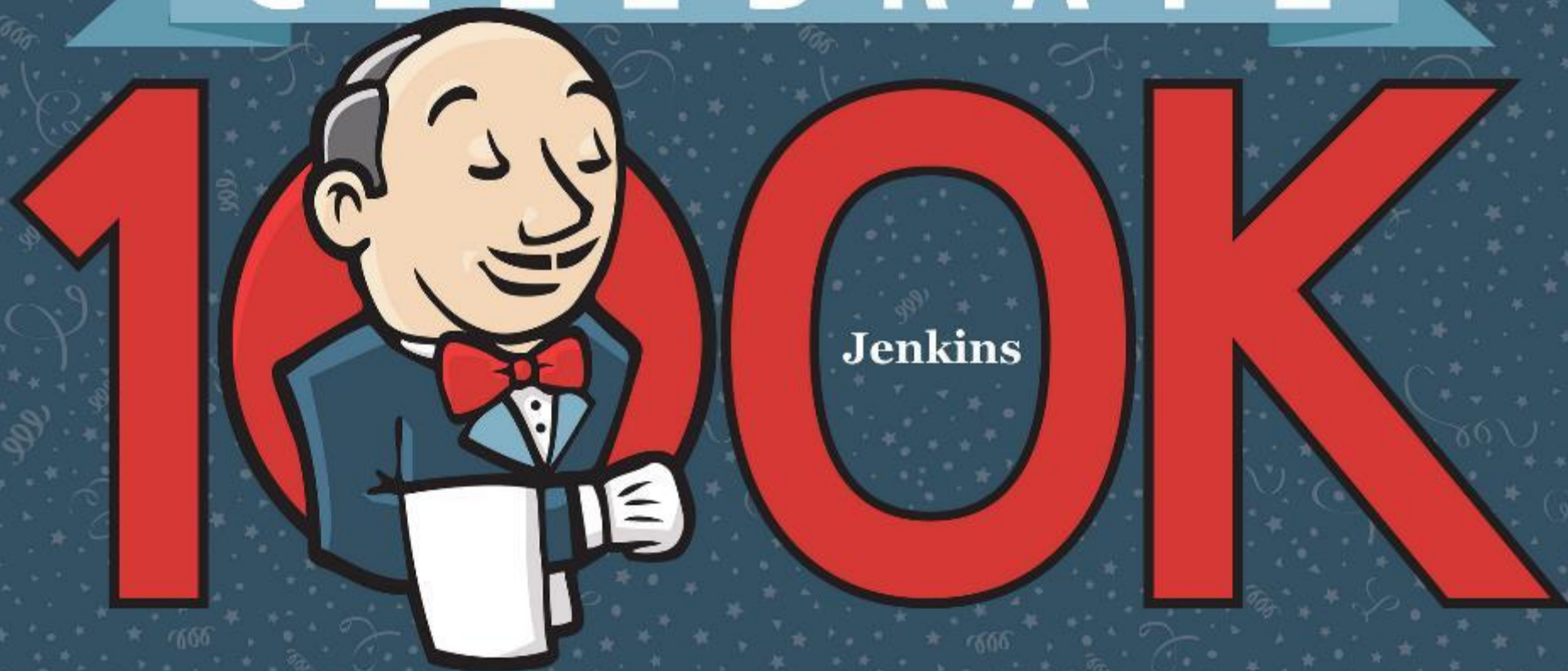




LOOK HOW JENKINS HAS GROWN IN 10 YEARS

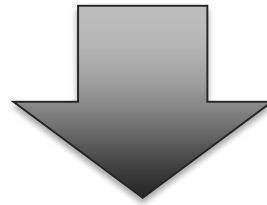


CELEBRATE



Next 10 years





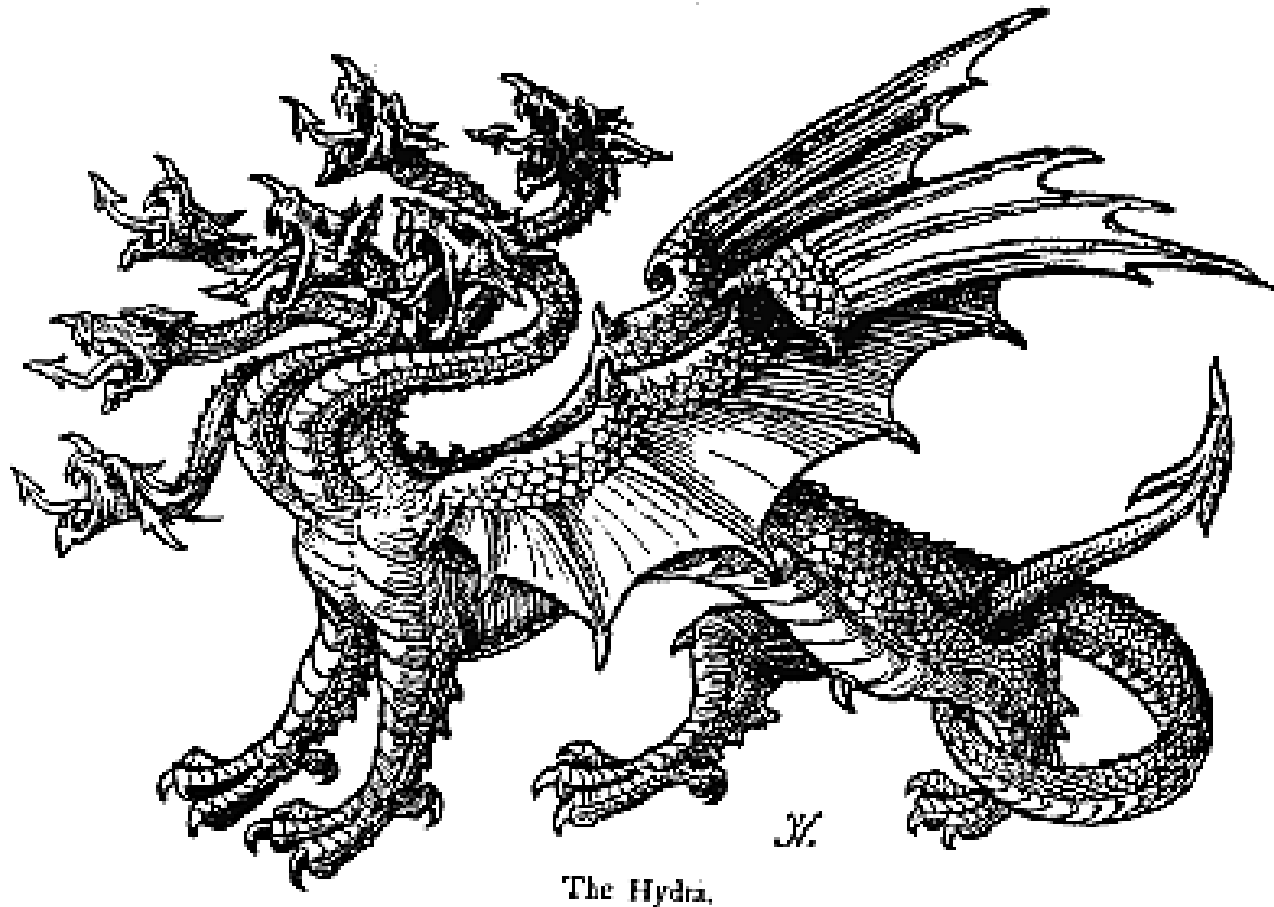


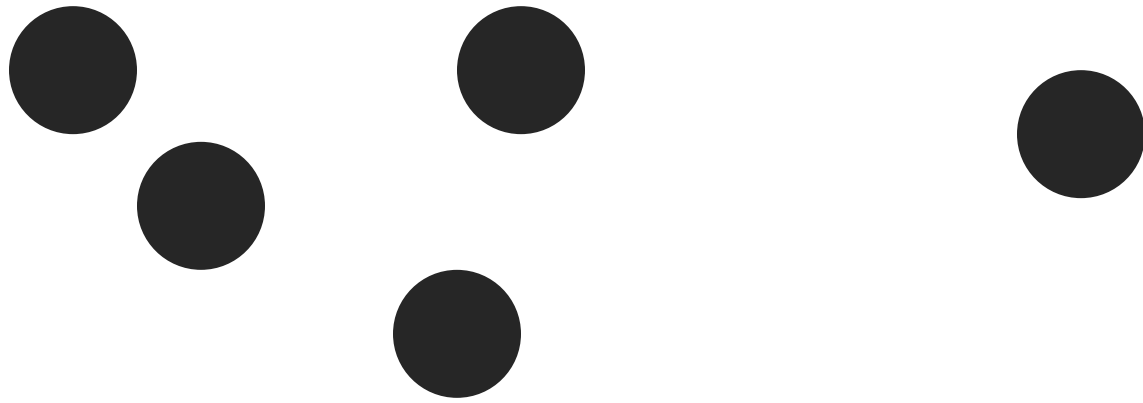
J.

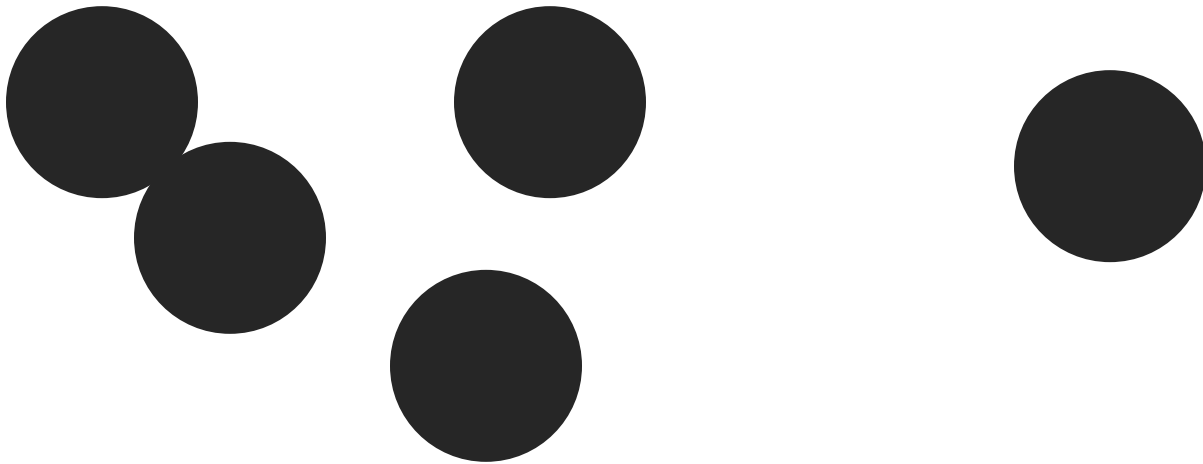
The Hydra.

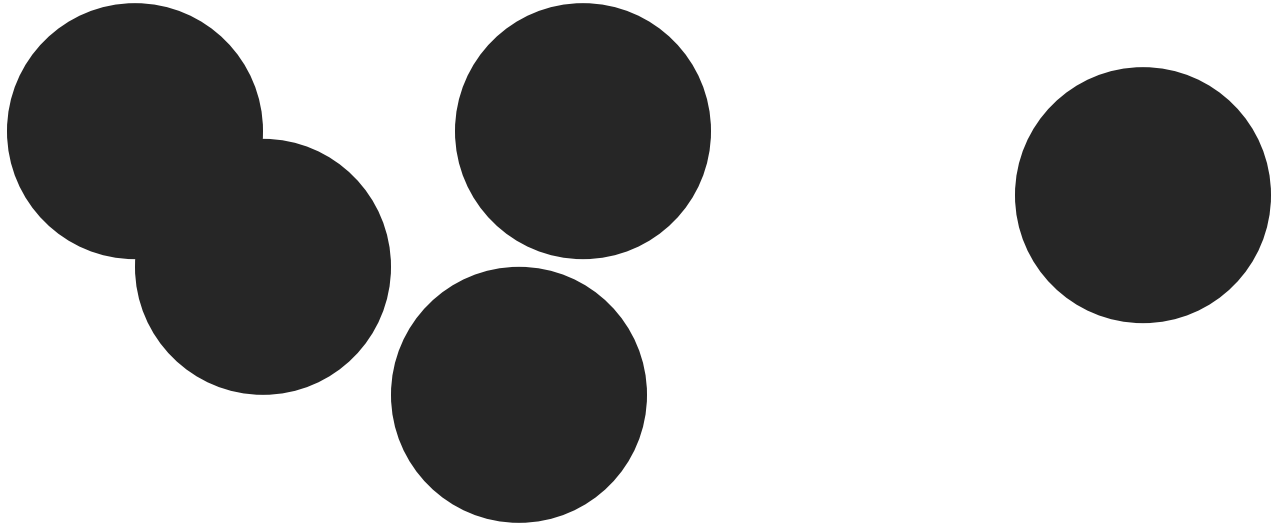


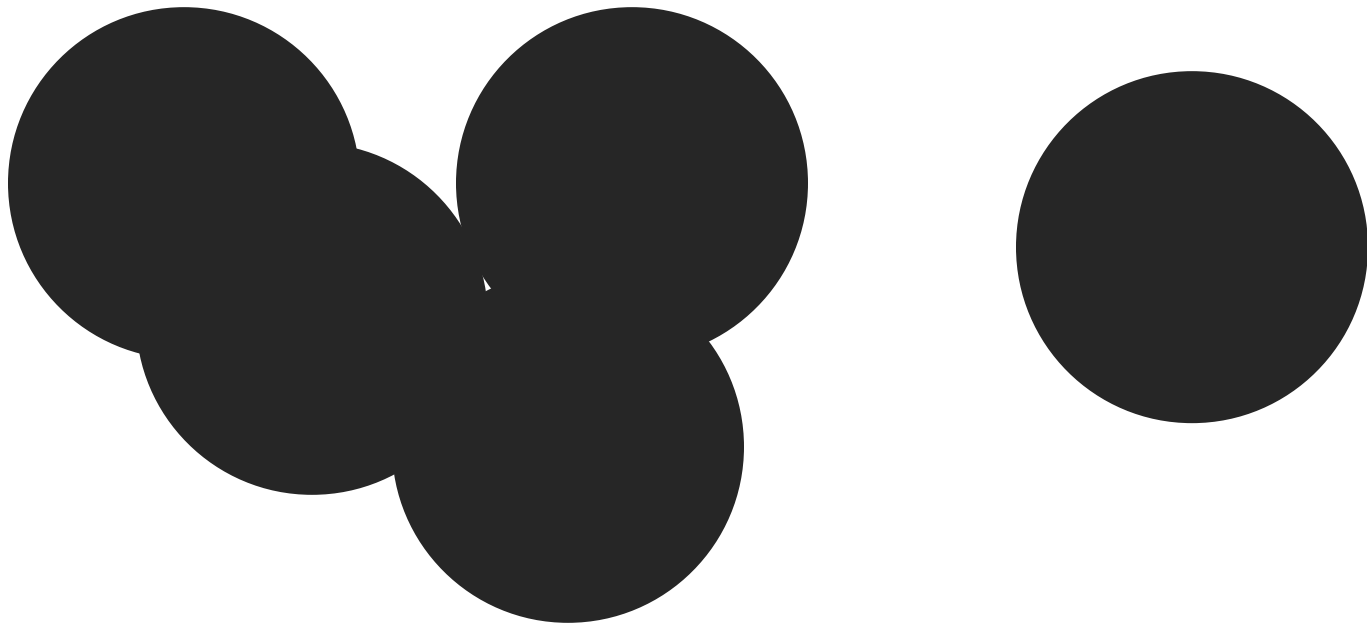
#1: Ever expanding automation

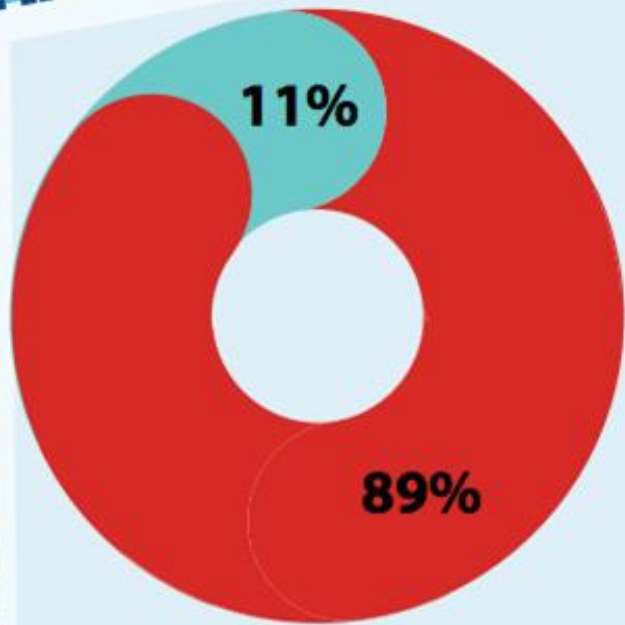












Has your company's use of Jenkins increased over the past year?

- Increased 89%
- No Change 11%
- Decreased 0%



Is Jenkins mission critical?

2013 Survey

83%

2015 Survey

92%

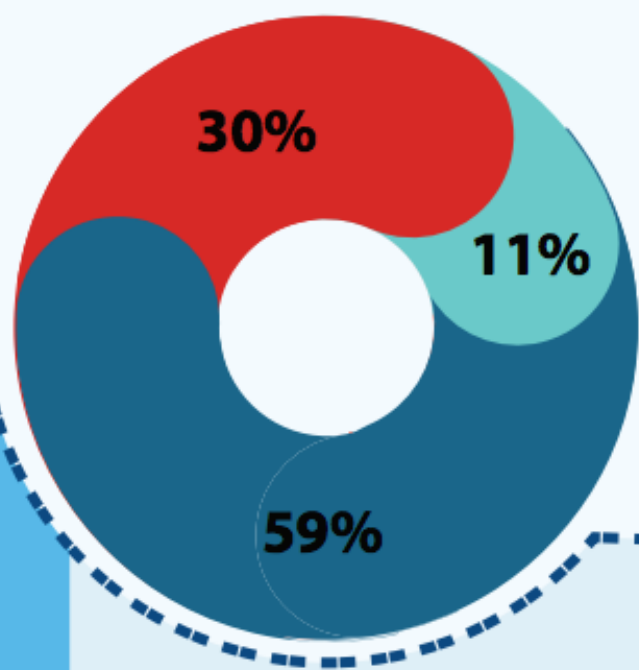


What types of tasks do you use Jenkins for?

	2013	2015
Build	95%	97%
Test	86%	90%
Deployment	48%	58%
Operations	15%	24%

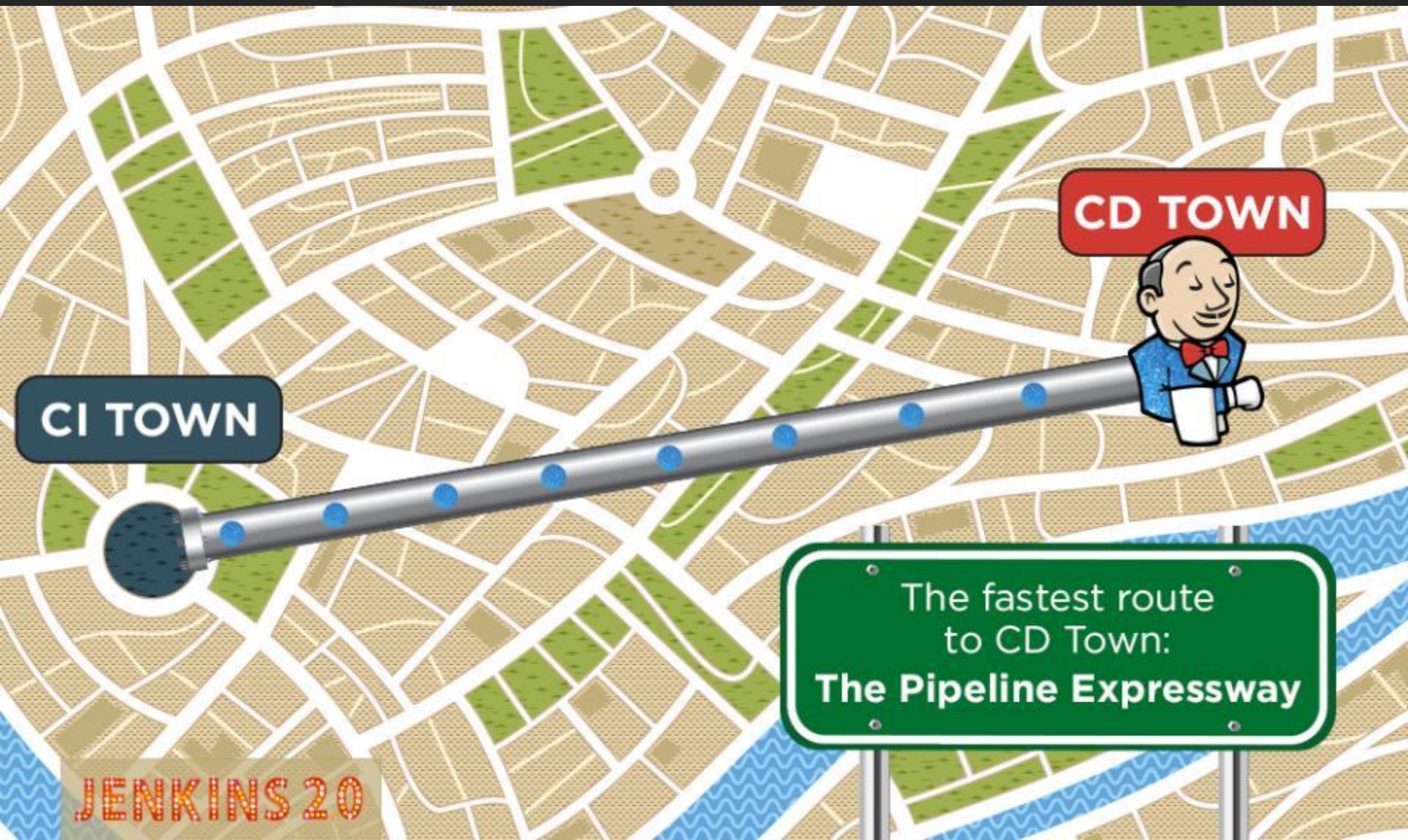


What level of automation have you implemented with Jenkins?



- Continuous integration only
- Continuous delivery with manual deployment to production
- Continuous delivery with fully automated deployment to production





CD TOWN

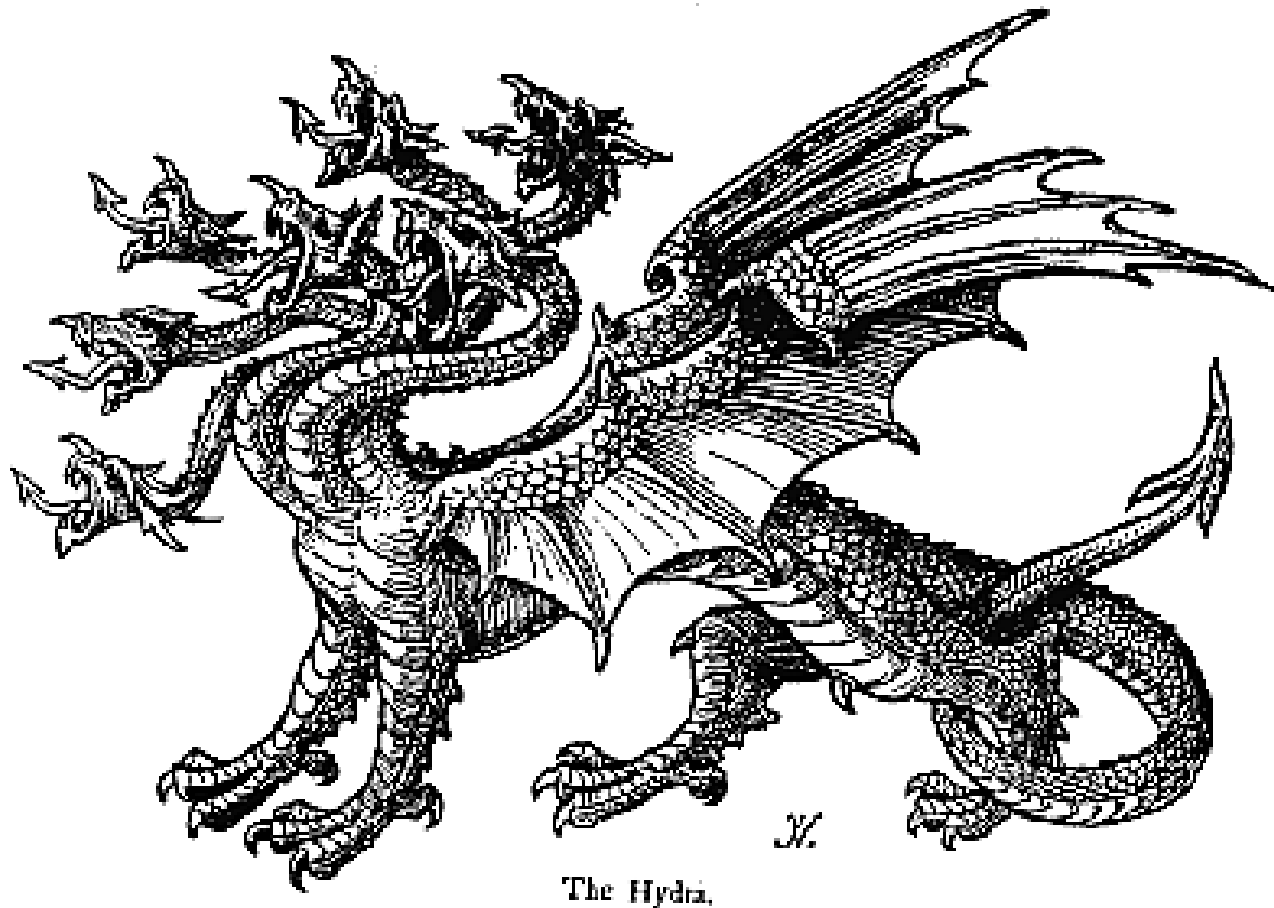
CI TOWN

The fastest route to CD Town:
The Pipeline Expressway

JENKINS 20



#2: More code, less GUI, less state



More code, less GUI, less state

- Bring transparency to changes
- Capture intent, not just outcome
- Don't repeat yourself
- Cope with large scale



Your infra, wiki, config, issues, ...



git



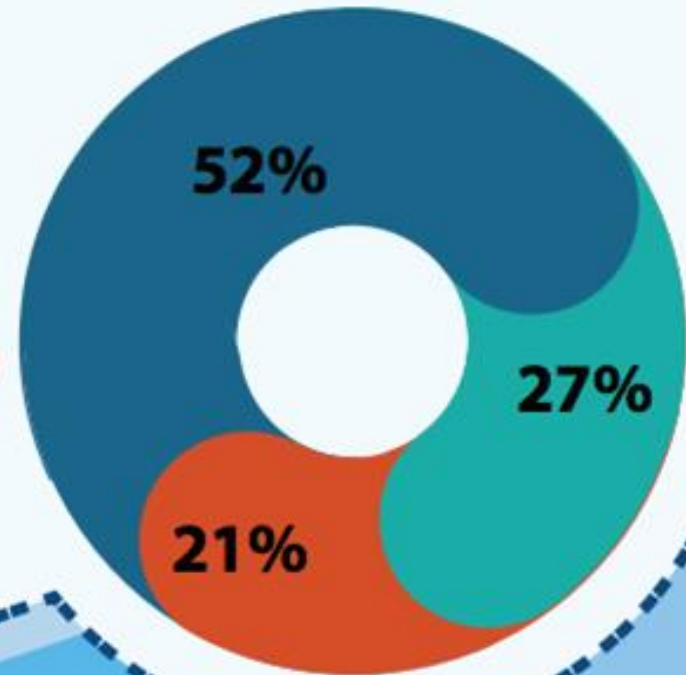


Solution: Jenkins Pipeline in Jenkins 2.0

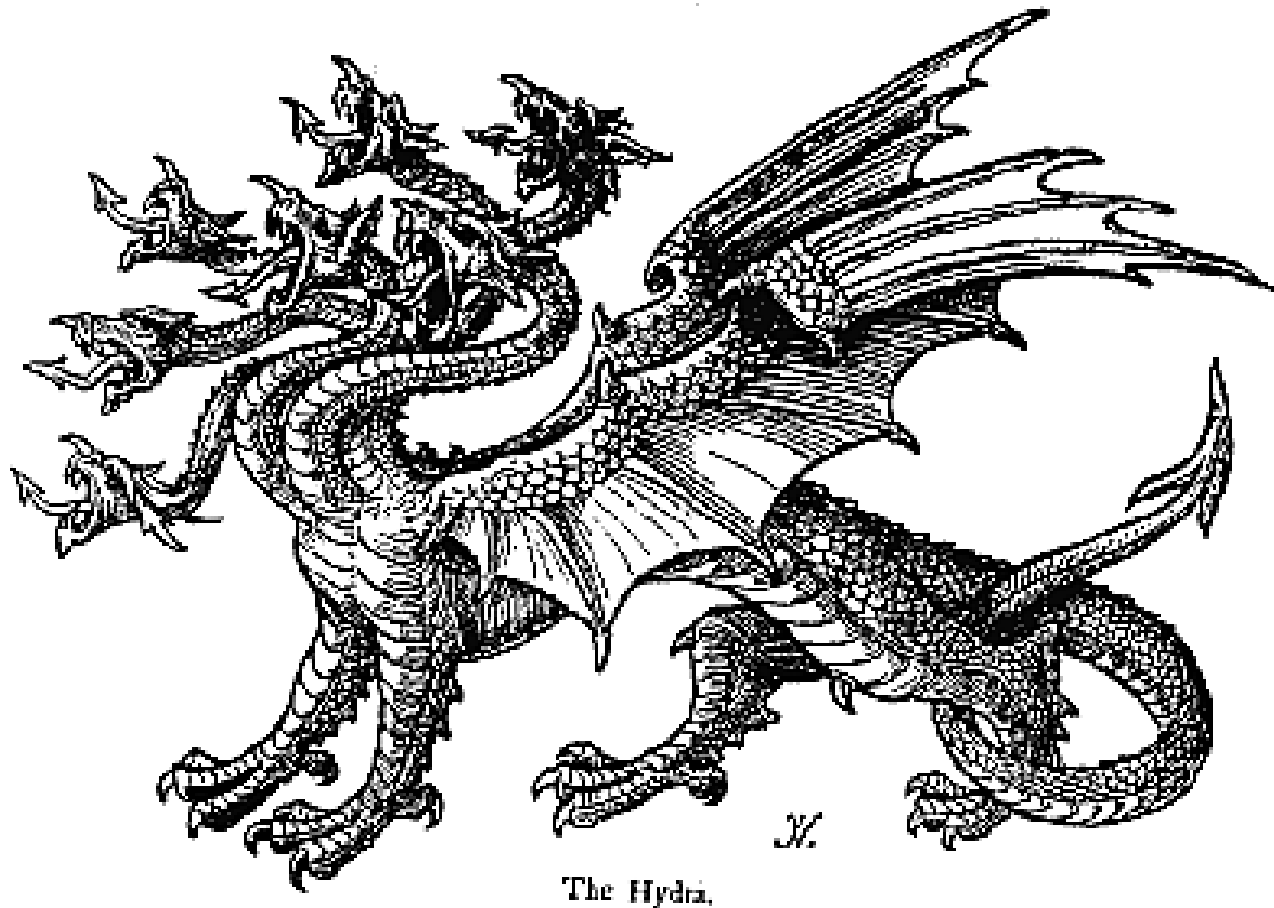
- Grow with you from simple to complex
- Text-based, in your VCS
- Handle lots of jobs without repetition
- Survive Jenkins restart
- Brings next level of reuse to Jenkins



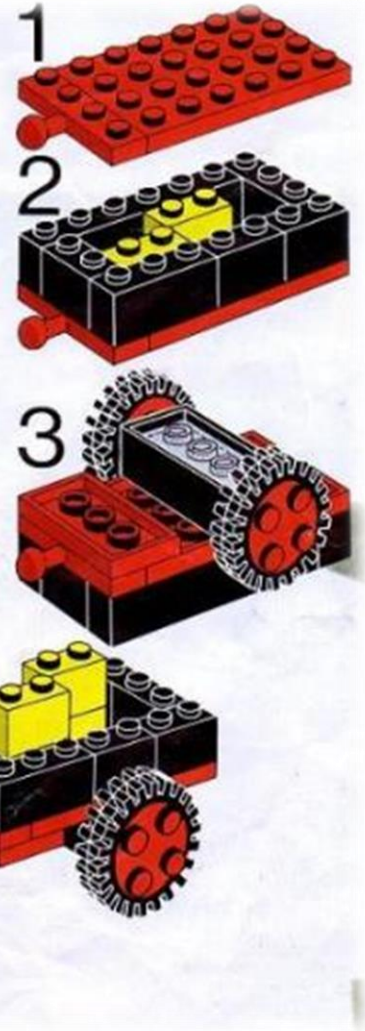
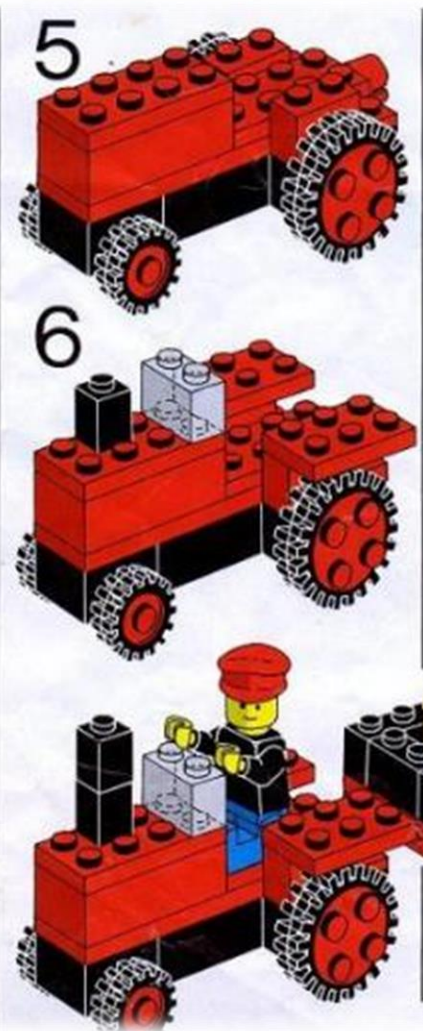
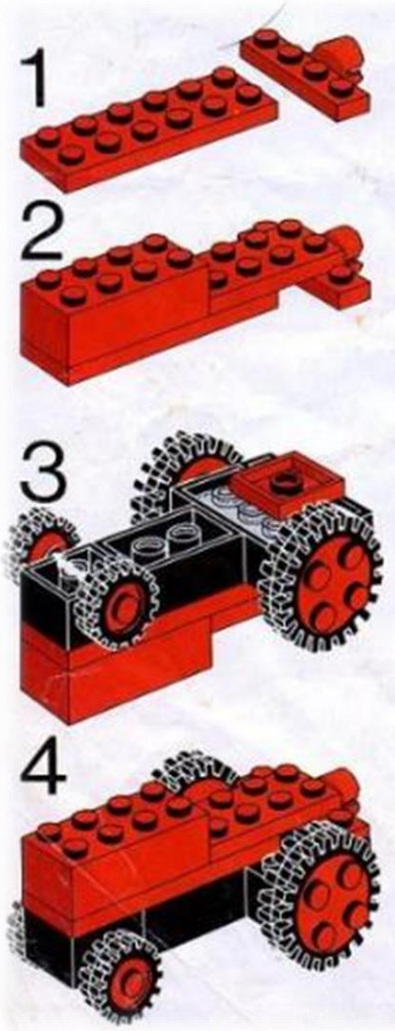
Are you planning to use the Pipeline plugin in the future?



#3: Assembly required







Solution: Jenkins 2.0

- 80% of use cases out of the box
- Guide users to best practice
- Start with recommended set of plugins

Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

Install suggested plugins

Install plugins the Jenkins community finds most useful.

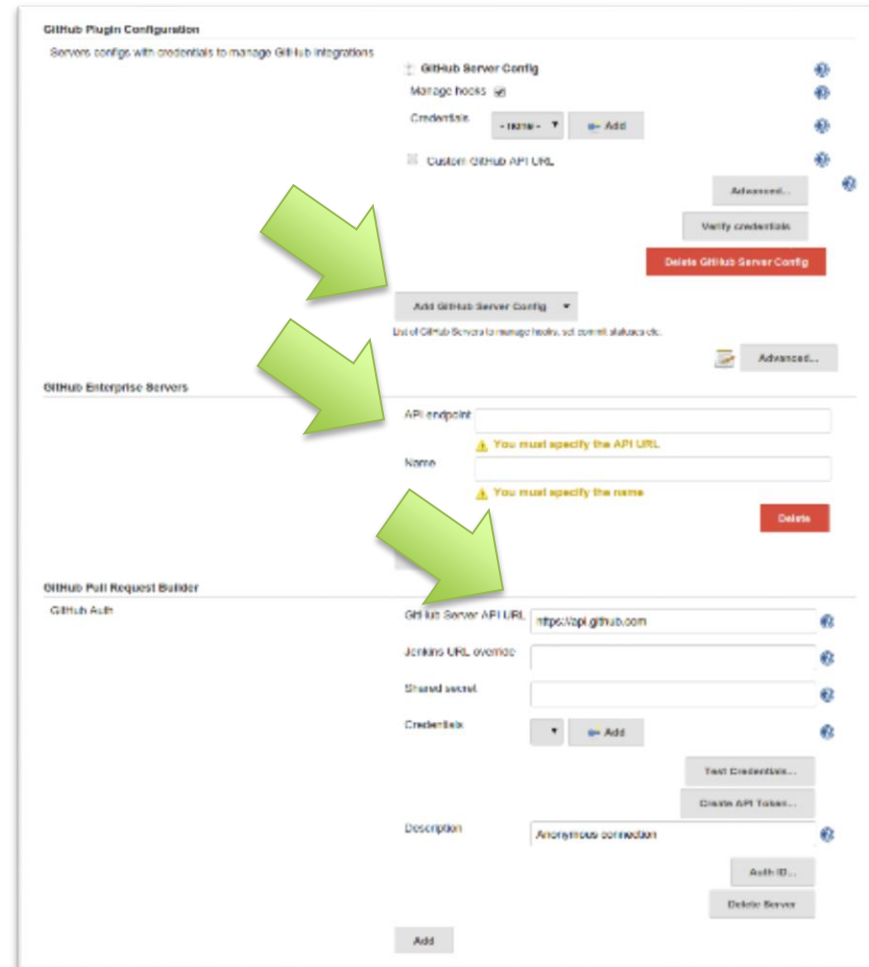
Select plugins to install

Select and install plugins most suitable for your needs.



Common set of plugins for the win

- Focused dev / QA effort
- Detect overlap & UX problems

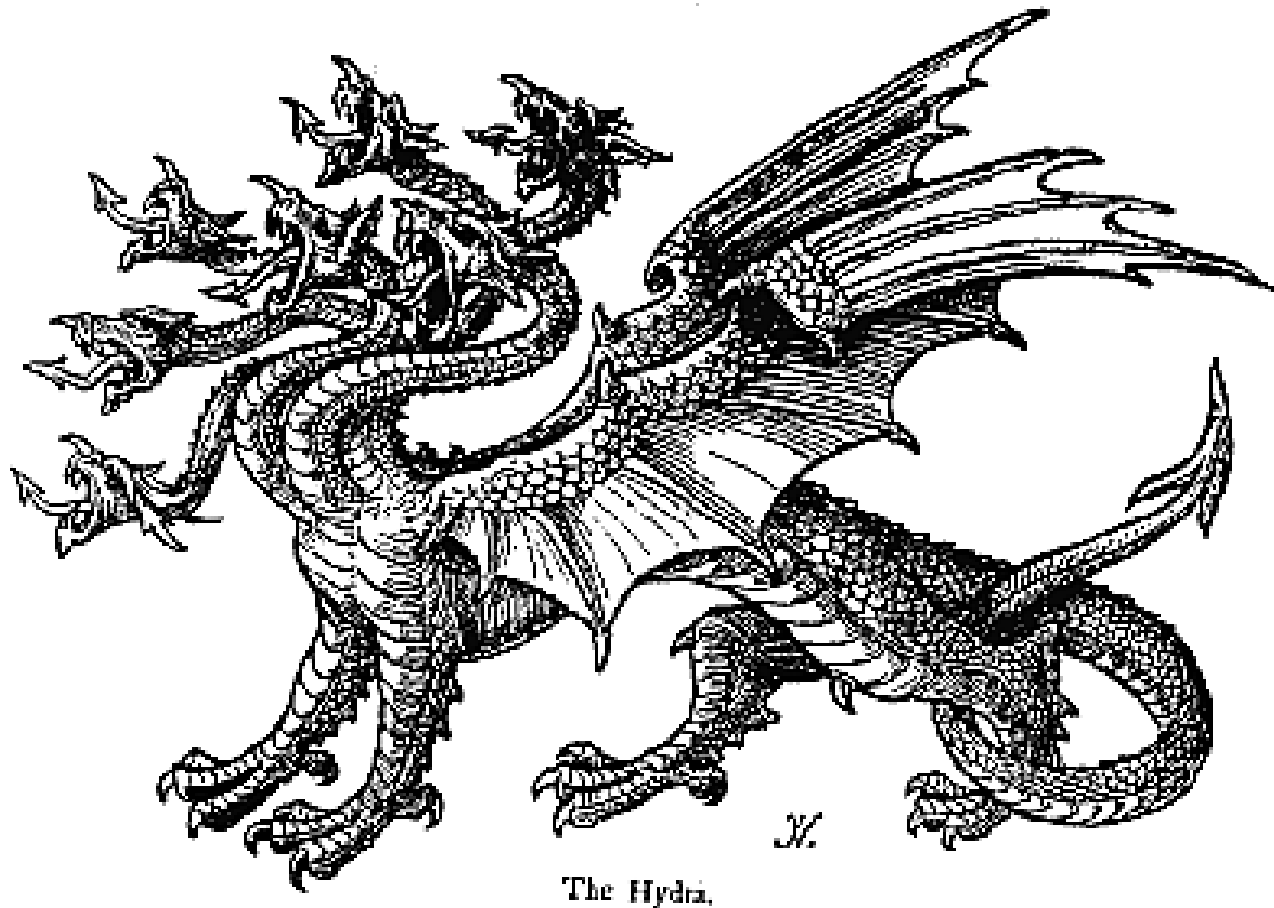




Documentation



#4: Protecting Jenkins users





We've been upping our game

- The security team
- Coordinated process b/w the security team & the release team
- Advisories & pre-announcements
- Warnings in the management UI



Solution: we'll be more proactive

- In 2.0, new installations are secure by default
- More aggressive changes to protect users
 - e.g., CSRF protection by default



Backward Compatible? Yes!

- Same core, evolved
- Same upgrade process



Summary: Jenkins 2.0

- Pipeline as Code
 - UI improvements
 - More curated experience
 - Security
-
- We are shifting focus

