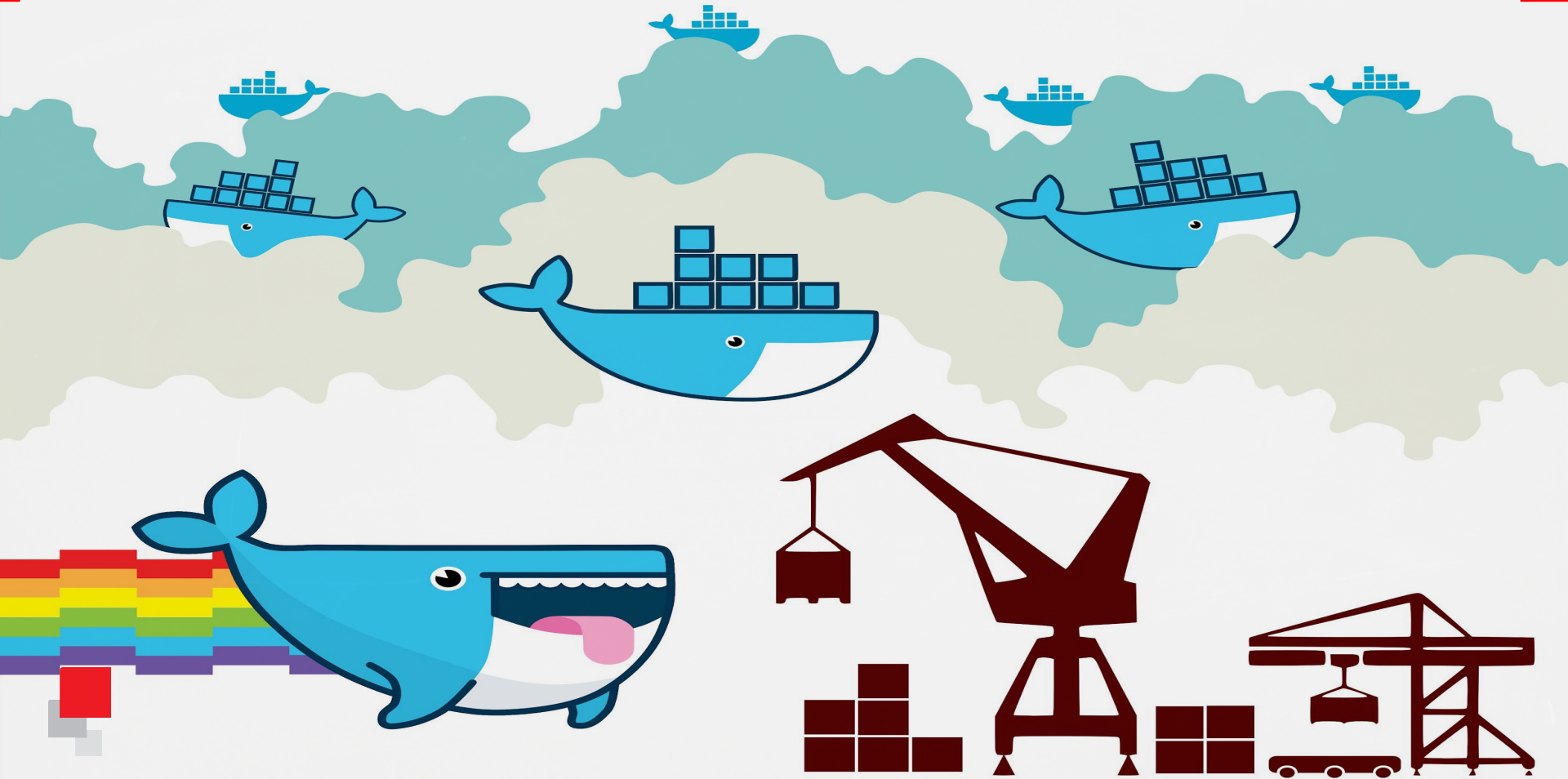


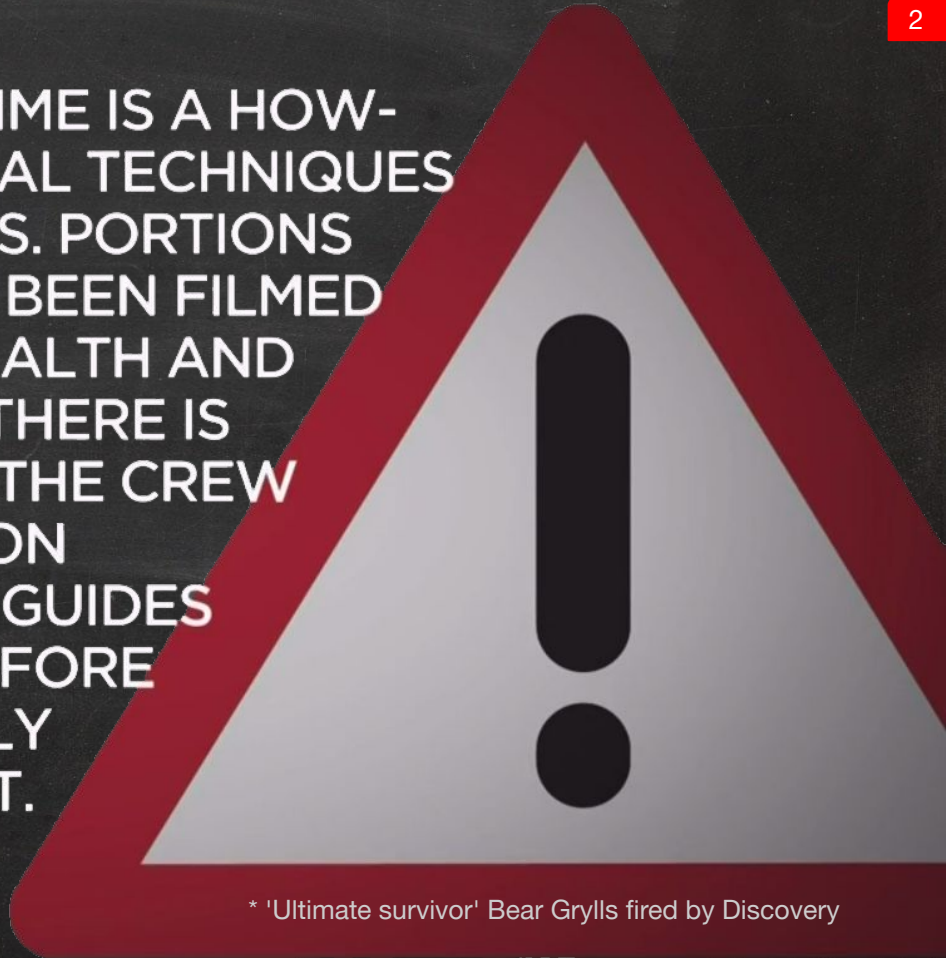
Delex 2020

DevOps in outsource... Really!?

**:iTechArt**



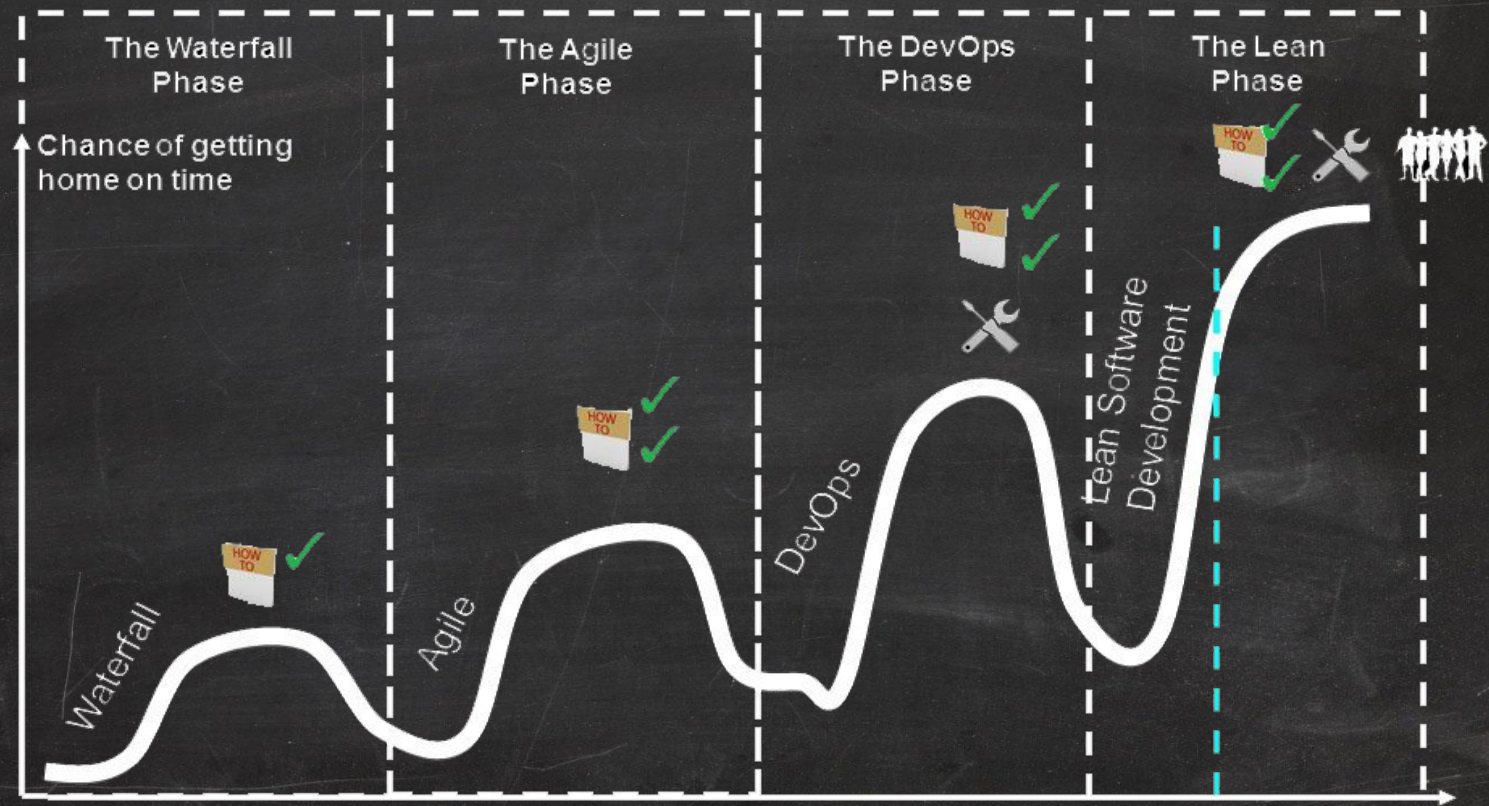
THE FOLLOWING PROGRAMME IS A HOW-TO GUIDE TO BASIC SURVIVAL TECHNIQUES IN EXTREME ENVIRONMENTS. PORTIONS OF THE PROGRAMME HAVE BEEN FILMED OUT OF SEQUENCE. FOR HEALTH AND SAFETY CONSIDERATIONS THERE IS SOME DIRECT SUPPORT TO THE CREW AND HOST WHILE FILMING ON LOCATION. PROFESSIONAL GUIDES SHOULD BE CONSULTED BEFORE ENTERING ANY POTENTIALLY DANGEROUS ENVIRONMENT.



\* 'Ultimate survivor' Bear Grylls fired by Discovery

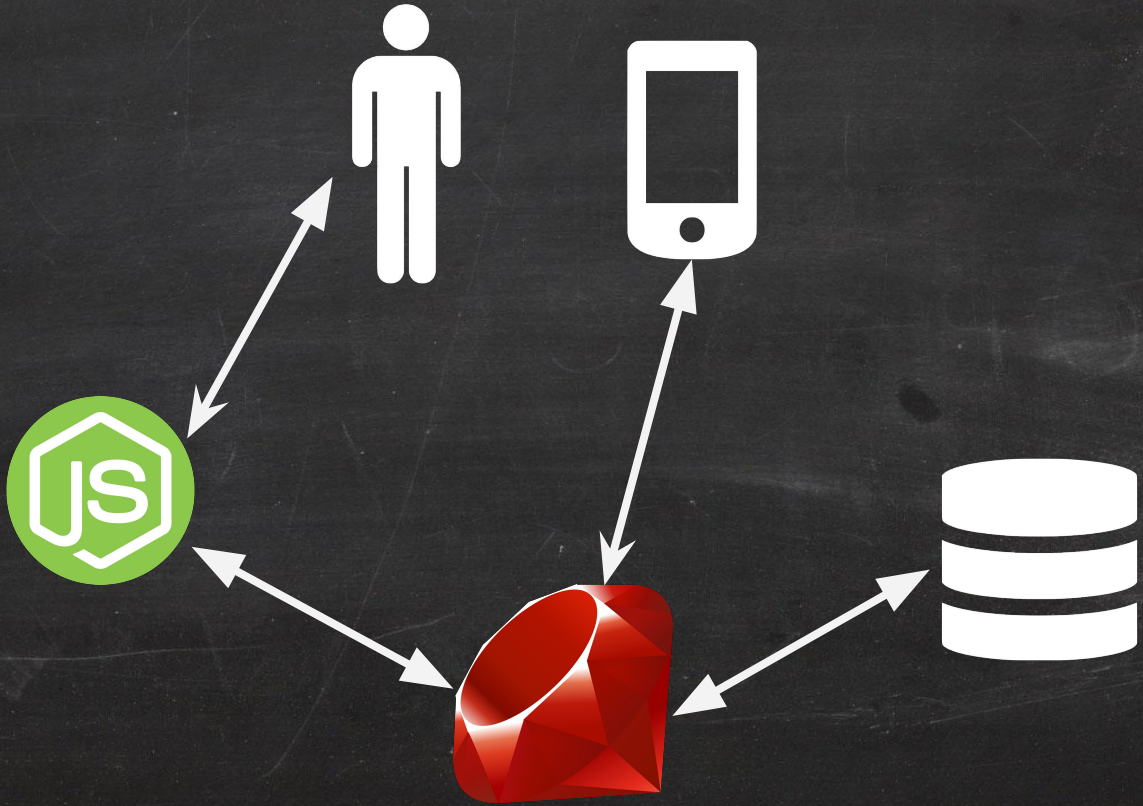




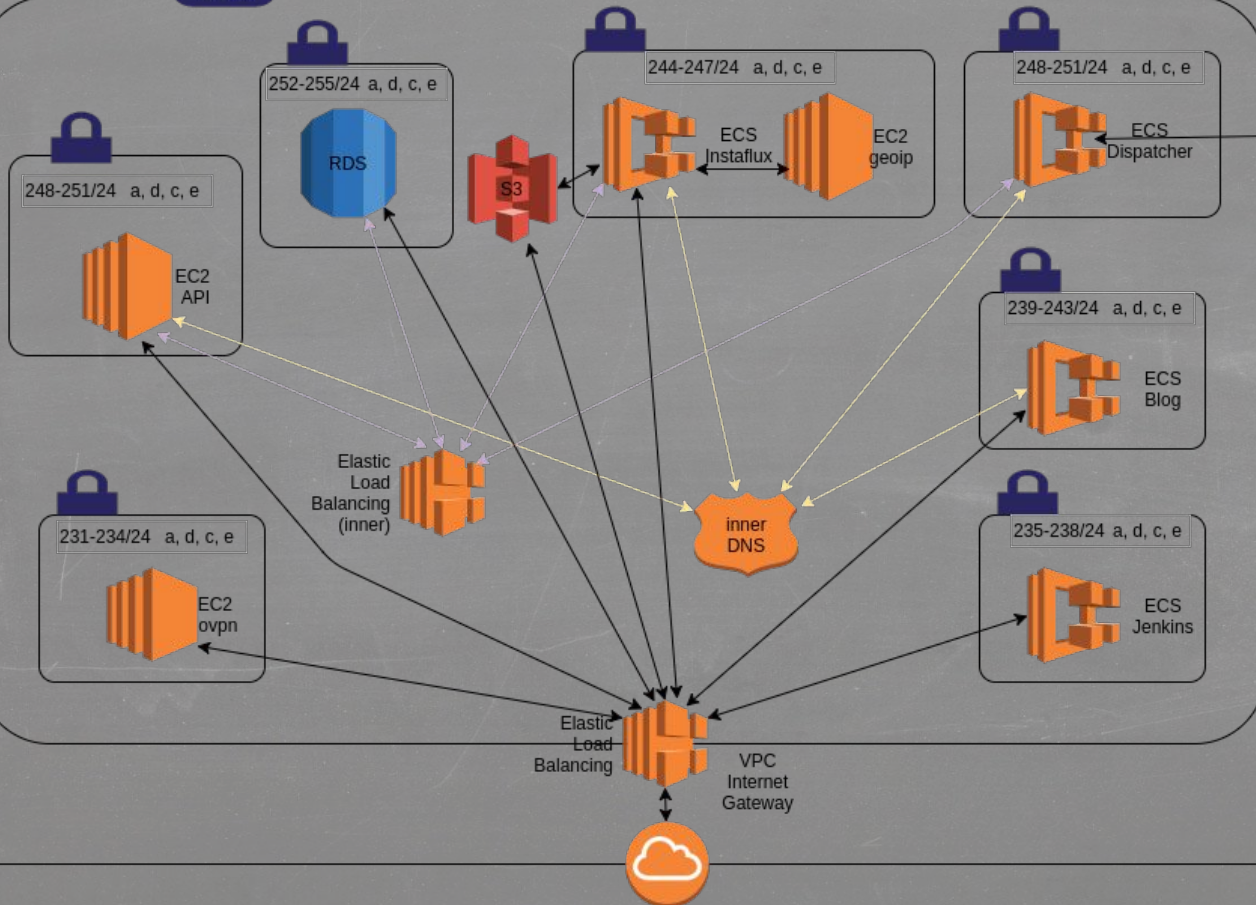


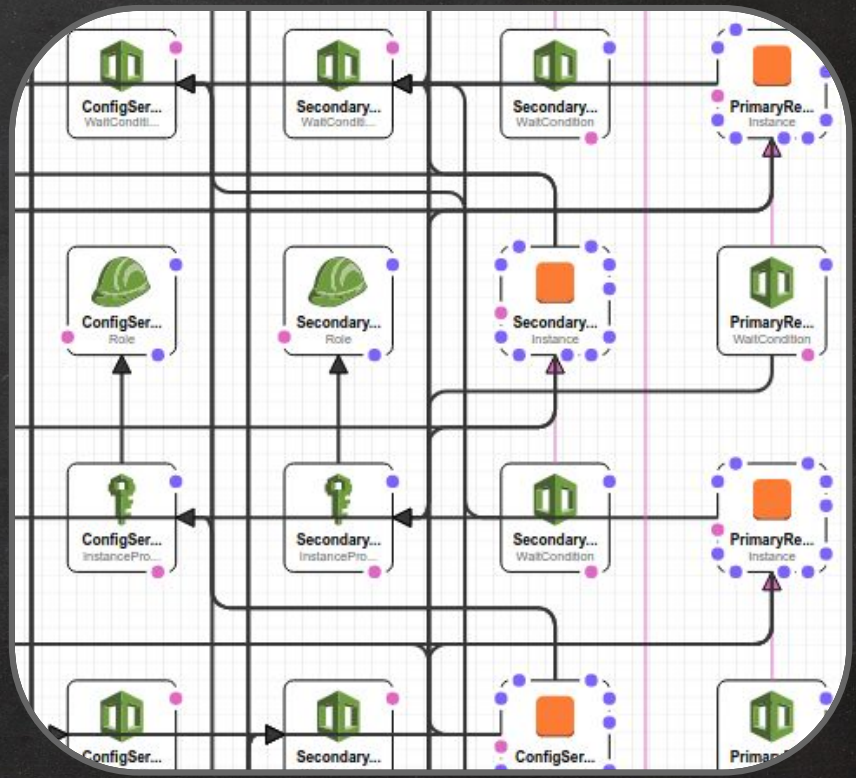
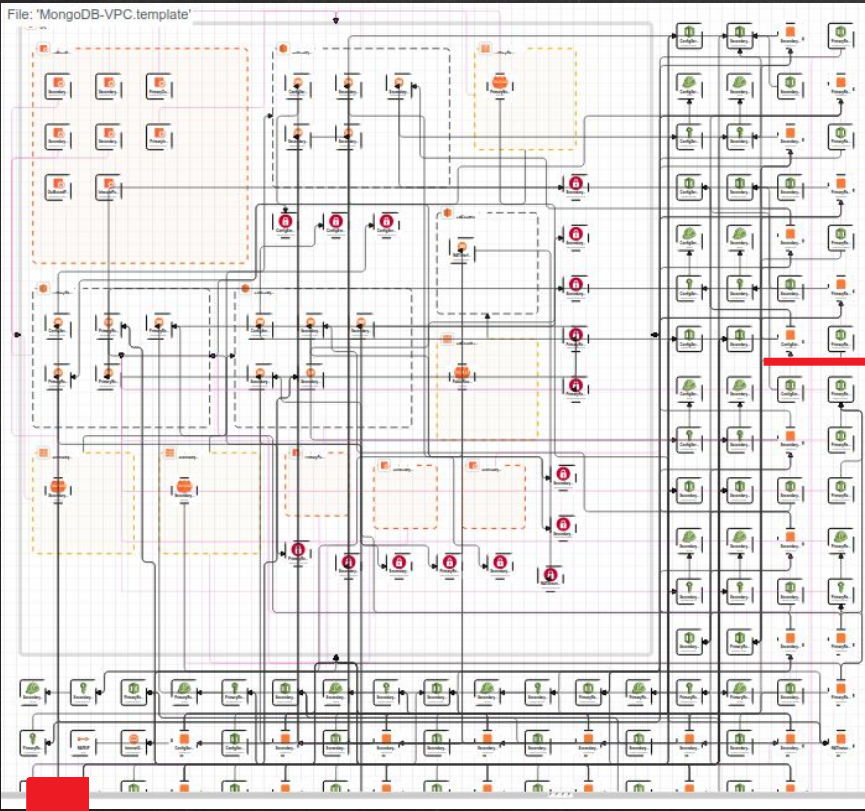
|                   |       |                  |                     |
|-------------------|-------|------------------|---------------------|
| Waterfall         | Agile | DevOps Practices | DevOps Culture      |
| Methods & Process |       | DevOps Tools     | People              |
| Defined Process   |       | Enforced Process | Guided by Principle |





VPC 172.31.0.0/16







```
8965         "Ref": "VPC"
8966     }
8967 ]
8968 ],
8969 },
8970     ">> config.sh\n",
8971     "echo ",
8972     {
8973         "Fn::Join": [
8974             [
8975                 "export MongoDBVersion=",
8976                 {
8977                     "Ref": "MongoDBVersion"
8978                 }
8979             ]
8980         ]
8981     },
8982     ">> config.sh\n",
8983     "./init.sh > install.log 2>&1 \n",
8984     "# Cleanup \n",
8985     "#rm -rf *\n",
8986     "# All is well so signal success\n",
8987     "/opt/aws/bin/cfn-signal -e 0 -r \"MongoDB"
8988     {
8989         "Ref": "ConfigServer2WaitForNodeInstall"
8990     },
8991     "\n"
8992 ],
8993 ]
8994 }
8995 },
8996 ],
8997     "InstanceType": {
8998         "Ref": "ConfigServerInstanceType"
8999     }
9000 },
9001     "Condition": "CreateMinOneShard"
9002 }
```

8999

9000

9001

9002

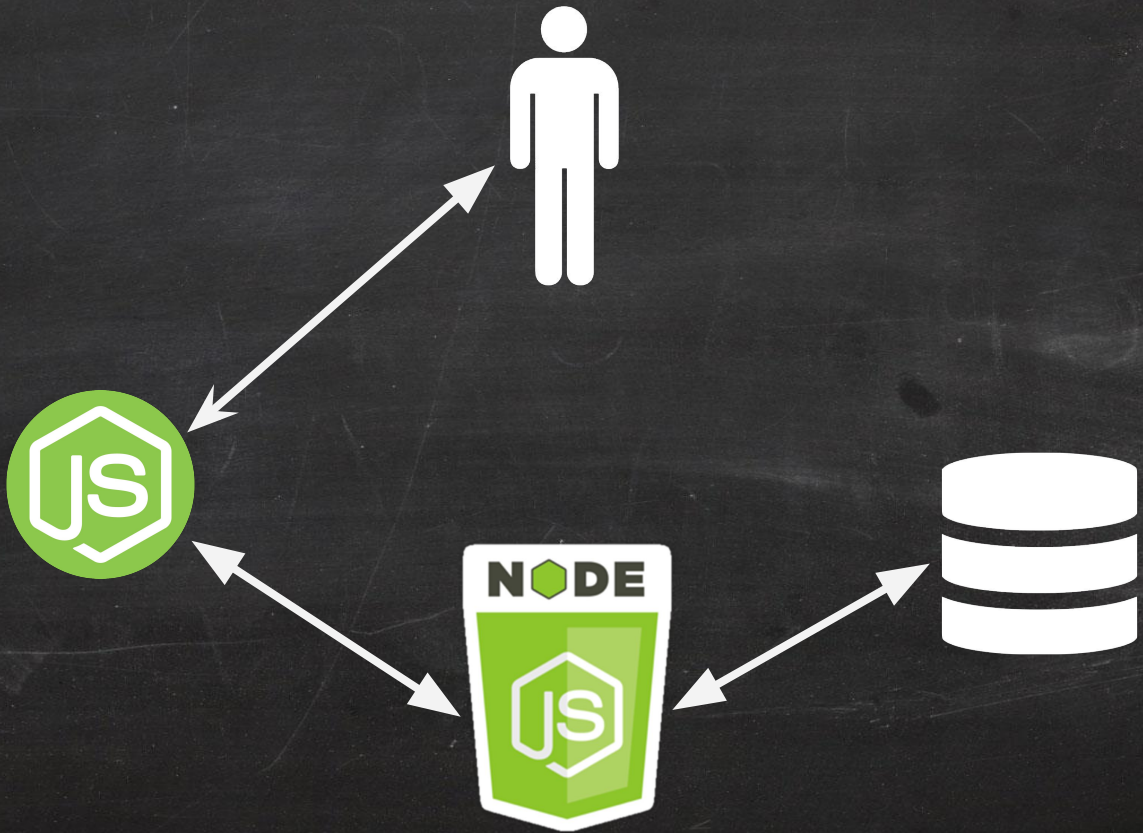
9003

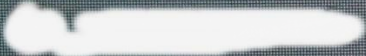

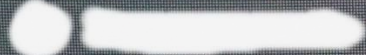
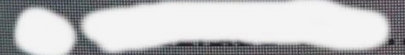
},  
"Con




}

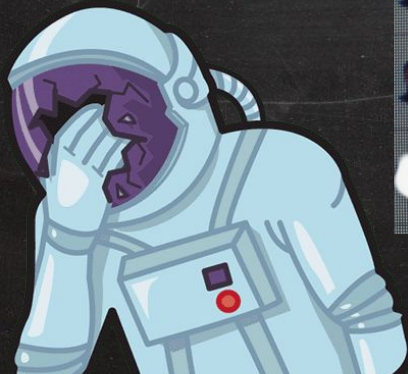
}





|   |                         |   |
|---|-------------------------|---|
|   | <a href="#">8fbf14d</a> | refactored                              |
|  | <a href="#">a415d27</a> | add bugs                                |
|  | <a href="#">08c949f</a> | Ensure only one new job message is sent |
|  | <a href="#">e4d3e67</a> | add functions ^_^                       |

| Author   | Commit                  | Message                         |
|--|-------------------------|---------------------------------|
|  Alex Burym | <a href="#">6d93db3</a> | Add ECS deploy scripts          |
|  Alex Burym | <a href="#">63e558f</a> | Add files for dockerized deploy |
|             | <a href="#">db41c52</a> | vse peredelal ia tebe otvechau  |



T2.large ~70\$



T2.large ~70\$



T2.large ~250\$



T2.large ~70\$



T2.large ~70\$



M4.large ~490\$



T2.large ~70\$



T2.large ~70\$



2 x T2.micro ~18\$

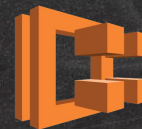
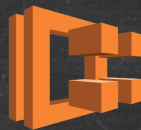
2 x T2.micro ~18\$

2 x T2.nano ~8,6\$

T2.nano ~4,3\$

T2.nano ~4,3\$

T2.medium ~34\$

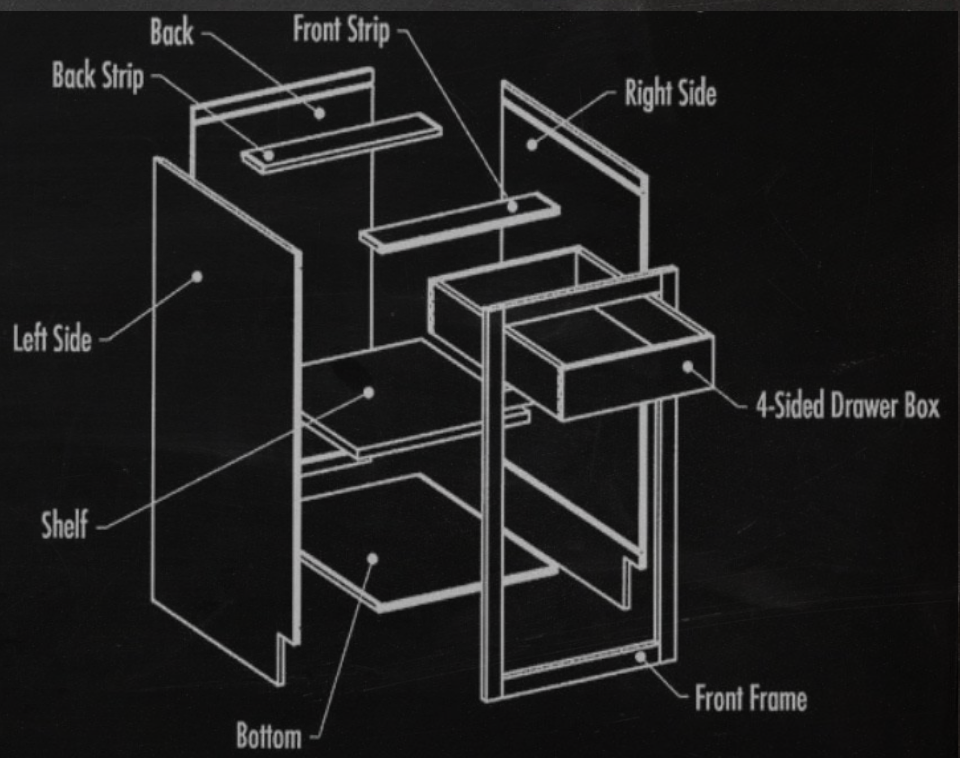
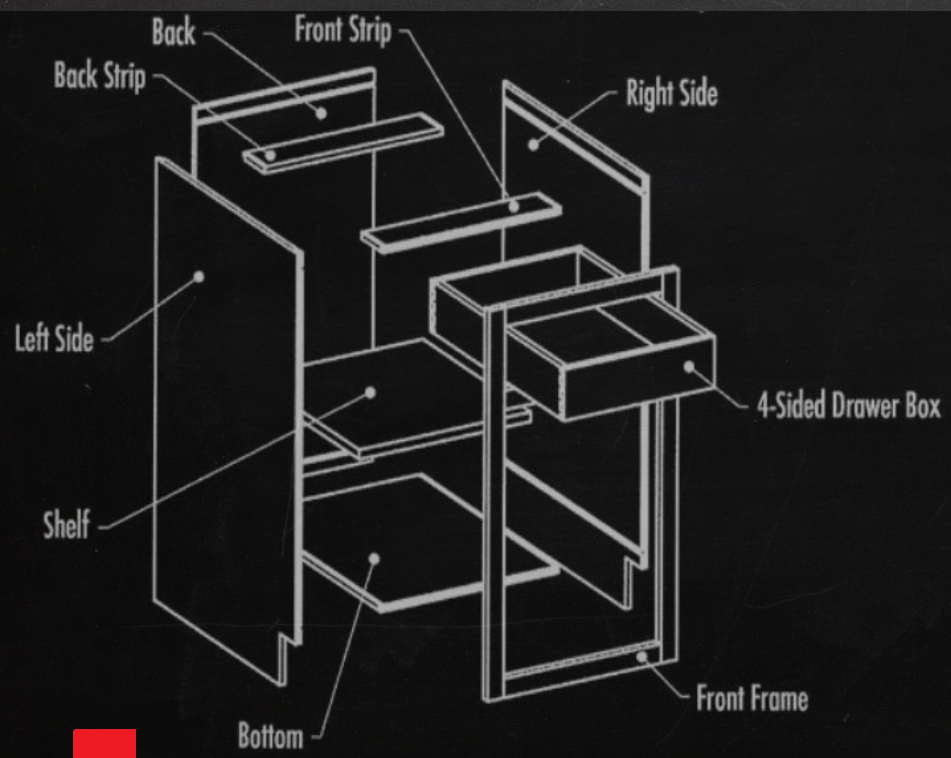


1160\$ VS 87,2\$



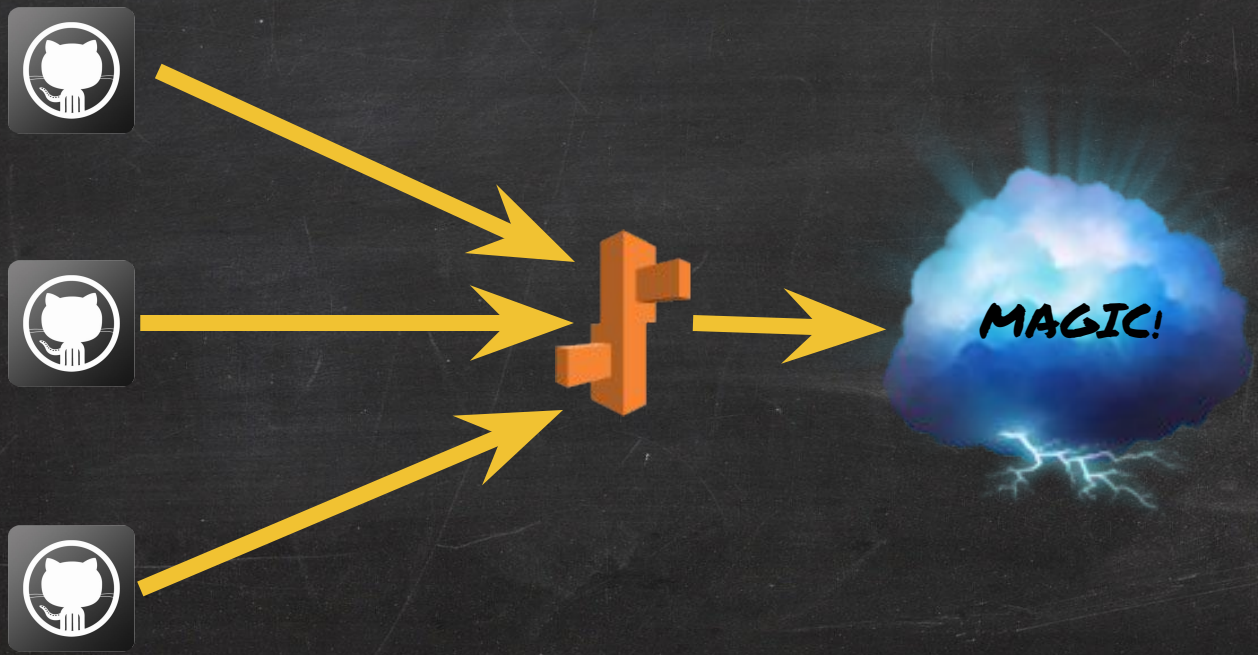








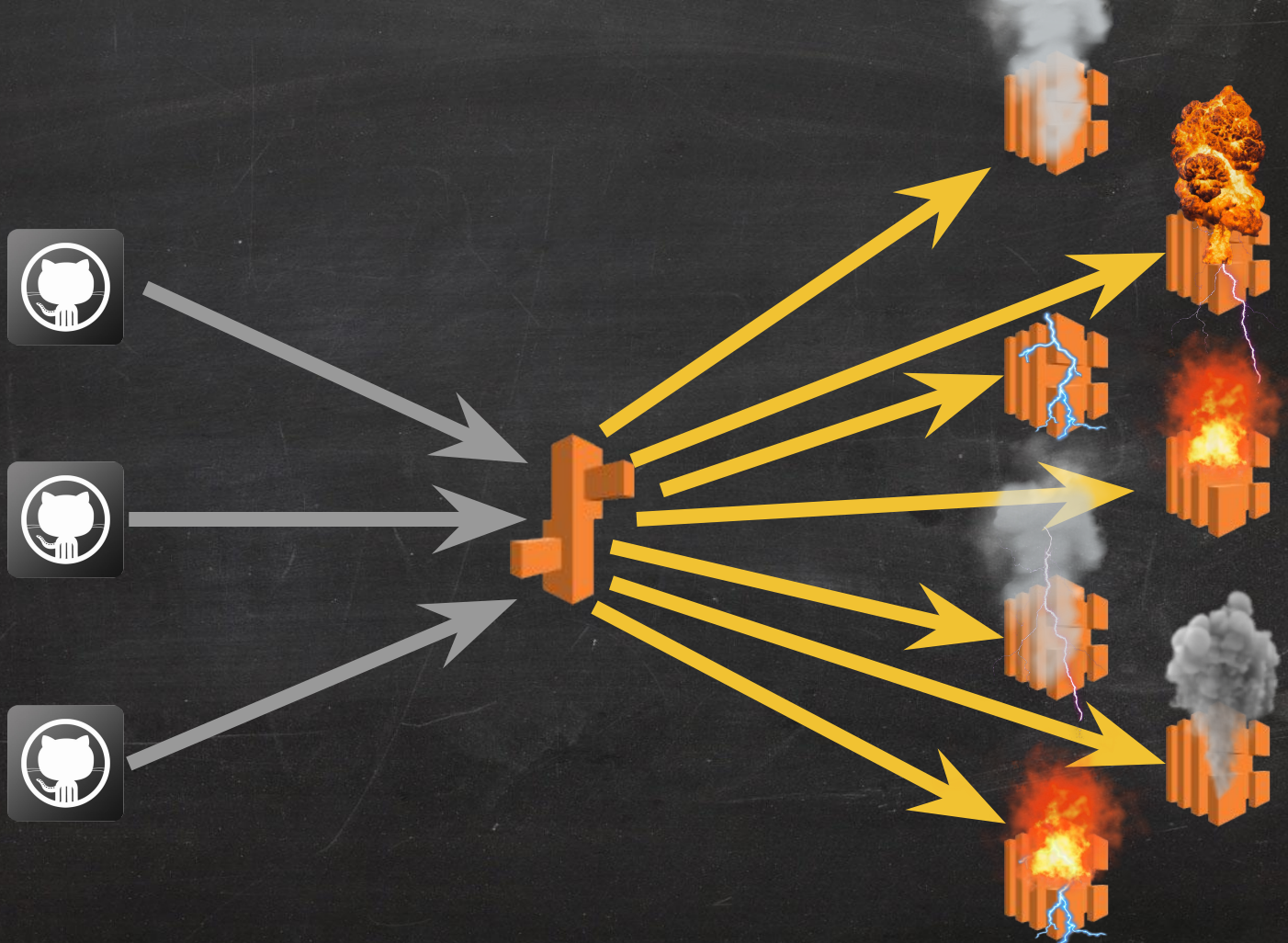




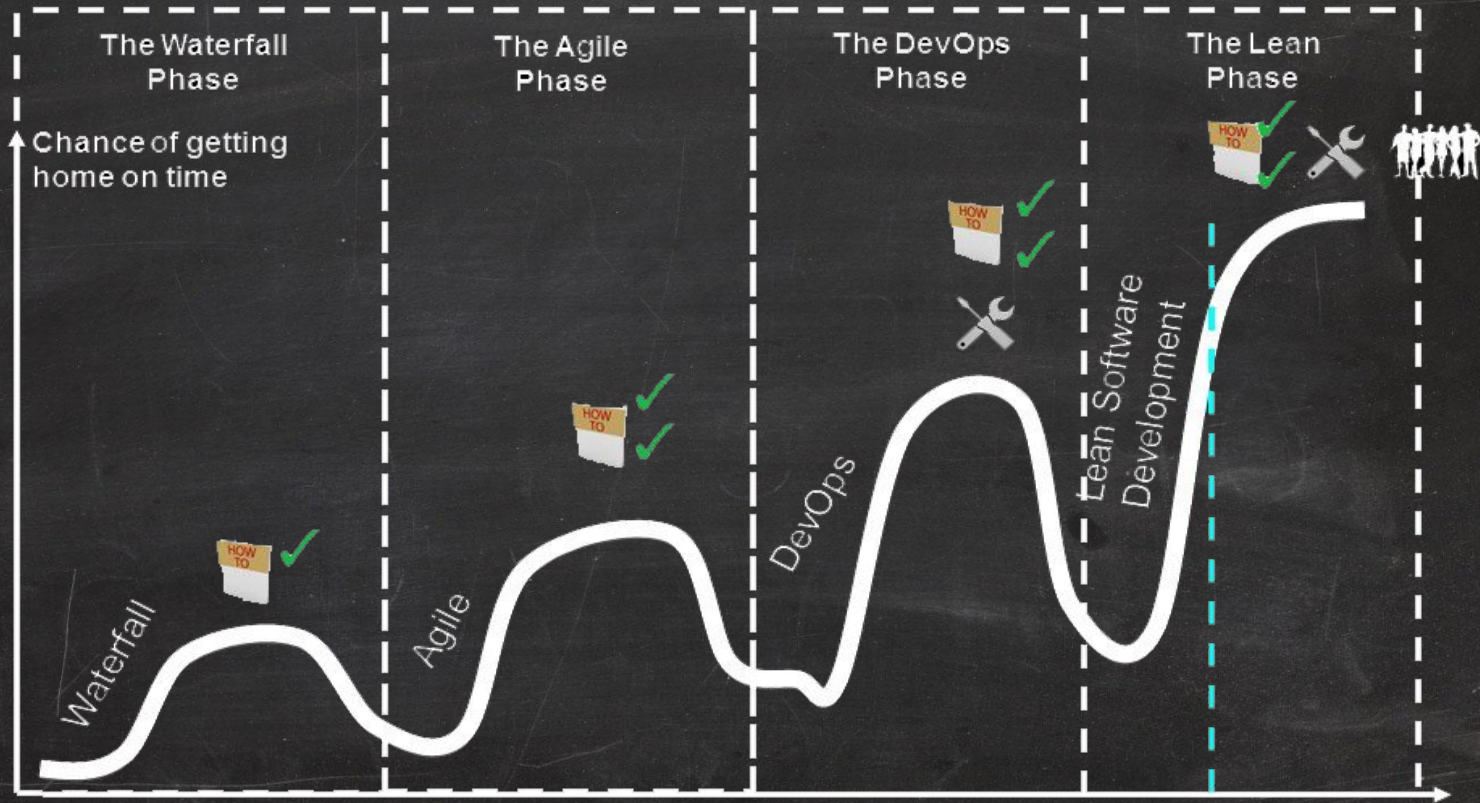
ТРЕБУЕТСЯ  
ШАШКИЗНИК  
И  
МУЗЫКАНТ

Тел:





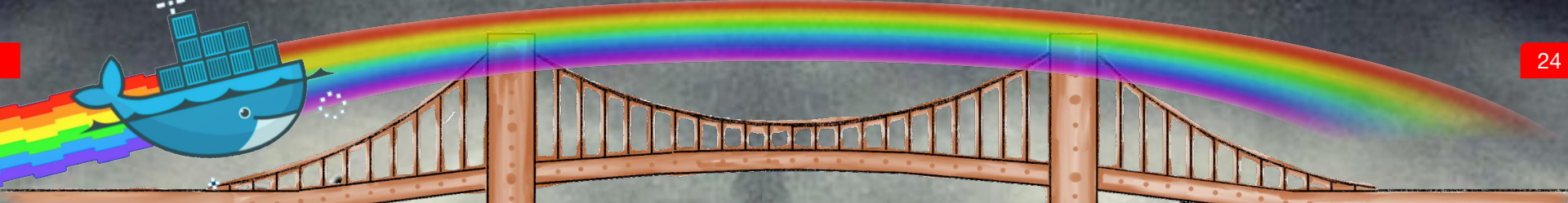




|                   |       |                  |                     |
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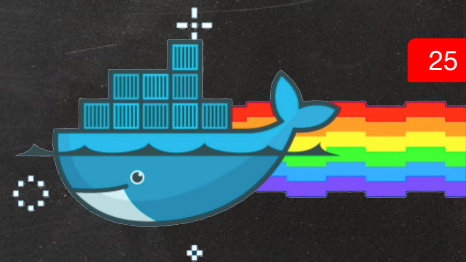
|  |  |  |  |  |   |   |
|--|--|--|--|--|---|---|
| <h3>Build</h3> <p><b>SCM &amp; VCS</b></p> <ul style="list-style-type: none"> <li>git, Bitbucket, GitHub, mercurial</li> </ul> <p><b>Continuous Integration</b></p> <ul style="list-style-type: none"> <li>circleci, Jenkins, Bamboo, Travis CI, CODESHIP, TeamCity</li> </ul> | <h3>Test</h3> <p><b>Browser</b></p> <ul style="list-style-type: none"> <li>press, ARMA, Selenium, WebDriver, Cypress, Sauce Labs, BrowserStack</li> </ul> <p><b>Load / Performance</b></p> <ul style="list-style-type: none"> <li>JMeter, SOASTA, BlazeMeter, LOCUST, Gatling, LOADIMPACT</li> </ul> | <h3>Deploy</h3> <p><b>Configuration Management</b></p> <ul style="list-style-type: none"> <li>puppet, CHEF, SALTSTACK, Ansible, PowerShell, CFEngine</li> </ul> <p><b>Continuous Delivery</b></p> <ul style="list-style-type: none"> <li>urban (code), Xebial Labs, harness, Automic, Spinnaker, Digo, Octopus Deploy, Electric Cloud</li> </ul> | <h3>Run</h3> <p><b>Containers</b></p> <ul style="list-style-type: none"> <li>docker, rkt</li> </ul> <p><b>Orchestration</b></p> <ul style="list-style-type: none"> <li>RANCHER, AWS, Kubernetes, Nomad</li> </ul> <p><b>Compute</b></p> <ul style="list-style-type: none"> <li>Azure, AWS, Google Cloud</li> </ul>   | <h3>Monitor</h3> <p><b>Time-Series Metrics</b></p> <ul style="list-style-type: none"> <li>Synthetic / Availability: pingdom, cakepoint, gtm32, Apica, ipynope</li> <li>Tracing: LIGHTSTEP, ELK, ELK</li> <li>Big Data: unraid, Apsolot</li> <li>Application (APM): AWS X-Ray, INSTANA, dynatrace, New Relic, APPDYNAMICS</li> <li>Cloud Infrastructure: StackS, DATADOG, ELDT, WAVEFRONT, signal fx, Grafana, honeycomb, Prometheus, Graficube, CloudWatch</li> <li>Traditional Infrastructure: elastic, Librato, zenoss, Solaris, Solarwinds</li> </ul> <p><b>Unstructured Data</b></p> <p><b>Errors</b></p> <ul style="list-style-type: none"> <li>SENTRY, Rollbar, Stackify, Airbrake.io, OverOps, RAYGUN</li> </ul> <p><b>Logs Mgmt</b></p> <ul style="list-style-type: none"> <li>splunk, sumologic, LOGGLY, logz.io</li> </ul> | <h3>Manage</h3> <p><b>Events &amp; Alerts</b></p> <ul style="list-style-type: none"> <li>Moogsoft, signifai, servicenow, bigpanda</li> </ul> <p><b>Service Desk</b></p> <ul style="list-style-type: none"> <li>servicenow, bmc, JIRA</li> </ul> <p><b>Project Management</b></p> <ul style="list-style-type: none"> <li>asana, JIRA, Trello</li> </ul> <p><b>CRM Helpdesk</b></p> <ul style="list-style-type: none"> <li>servicenow, freshdesk</li> </ul> | <h3>Notify</h3> <p><b>Escalate</b></p> <ul style="list-style-type: none"> <li>pagerduty, matters, serverbridge, VictorOps, OpsGenie</li> </ul> <p><b>Collaboration</b></p> <ul style="list-style-type: none"> <li>slack, HipChat, Microsoft Teams, box, twilio</li> </ul> |
| <p><b>Build</b></p> <ul style="list-style-type: none"> <li>sbt, Gradle, Maven, Packer, Ansible, Dockerfile</li> </ul> <p><b>Repositories</b></p> <ul style="list-style-type: none"> <li>GitHub, Bitbucket, Docker Hub, Artifactory, Nexus, JFrog</li> </ul>                    | <p><b>Configuration</b></p> <ul style="list-style-type: none"> <li>SERVERSPEC</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>OpenSCAP, CERTIFY</li> </ul> <p><b>Code</b></p> <ul style="list-style-type: none"> <li>Scrutinizer, xUnit.net, pytest, Coveralls</li> </ul>   | <p><b>Infrastructure Provisioning</b></p> <ul style="list-style-type: none"> <li>Terraform</li> </ul> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>OpenSCAP, CERTIFY</li> </ul>   | <p><b>Serverless</b></p> <ul style="list-style-type: none"> <li>Azure, AWS, Google Cloud</li> </ul> <p><b>Run-Time</b></p> <ul style="list-style-type: none"> <li>Java, Python, Node, .NET</li> </ul> <p><b>OS</b></p> <ul style="list-style-type: none"> <li>Ubuntu, CentOS, Red Hat</li> </ul> <p><b>CDN</b></p> <ul style="list-style-type: none"> <li>CloudFlare, Fastly, Akamai, Amazon CloudFront</li> </ul> |  |   |   |

<https://roadmap.sh/devops>





СПАСИБО ЗА ВНИМАНИЕ



**:iTechArt**



Show notes: <https://be34.me/show-notes>

Remarkable  
people