

# DevOps Consulting Proposal

Bringing Operational Efficiency to Technology Stacks





## Overview

Thinvent helps SaaS companies deliver their products in an efficient, reliable and cost effective manner.

We achieve this by delivering DevOps, Ops, NOC and Tools as a service to our customers.



# System Operations is a People Problem

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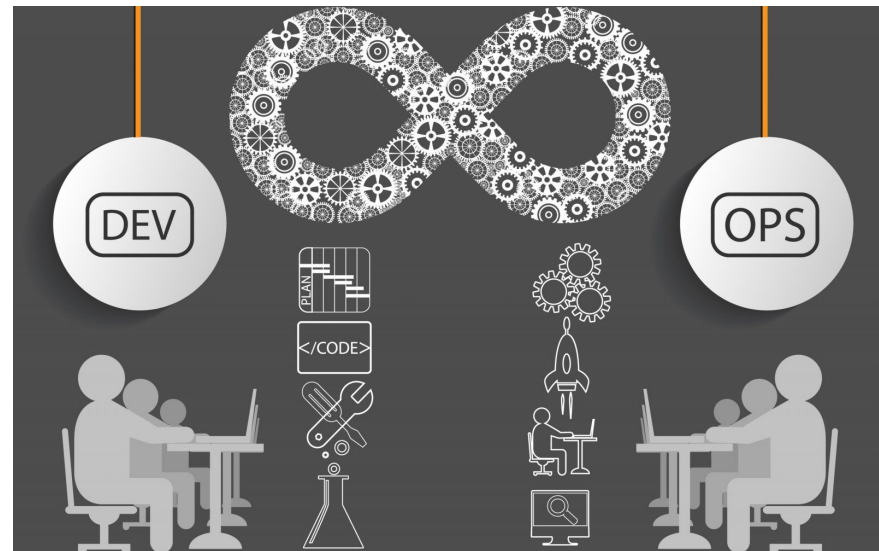
20% of the team strength at any SaaS company comprises of DevOps engineers. Over and above this, operations and NOC teams are required to ensure 24x7 smooth and secure operation of sites.



# System Operations is a People Problem

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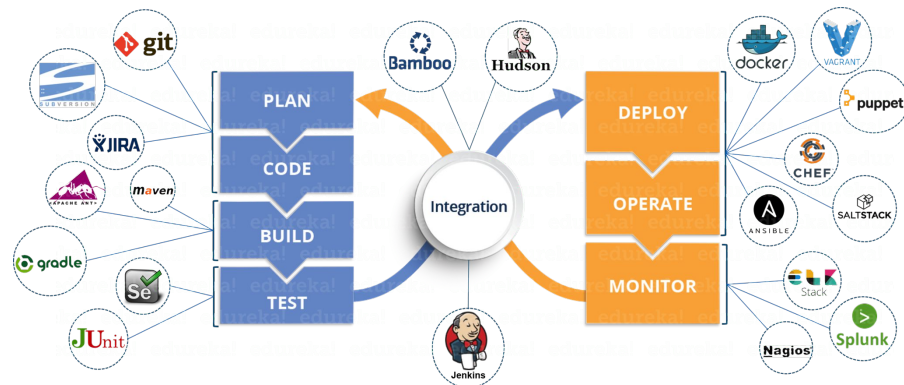
Technology leaders that are great at creating products, are usually not as adept at delivering them over the cloud.



# System Operations is a People Problem

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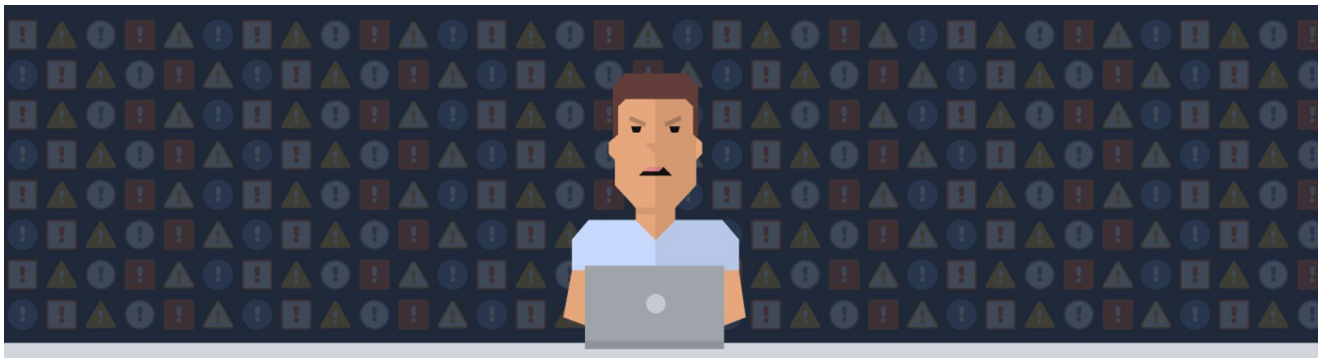
Domains like security, scalability and reliability require extensive industry knowledge and interaction. It is hard for a early stage companies to acquire and retain people with these skills at their scale of operations.



# System Operations is a People Problem

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Maintaining a 24x7 vigil is necessary to ensure customer satisfaction. However, being always available to fix site issues takes its toll on dev team morale.





# What a well run site needs

The stacks, tools and processes that power  
successful, scalable websites

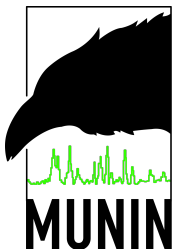
## Monitoring

### Client Impact:

Internal monitoring of all systems, resources and stacks.  
External monitoring of the site - uptime and response times.

### Developer Impact:

Graphical visibility into all aspects of the site. Graphically view the impact of any changes you make to the site.





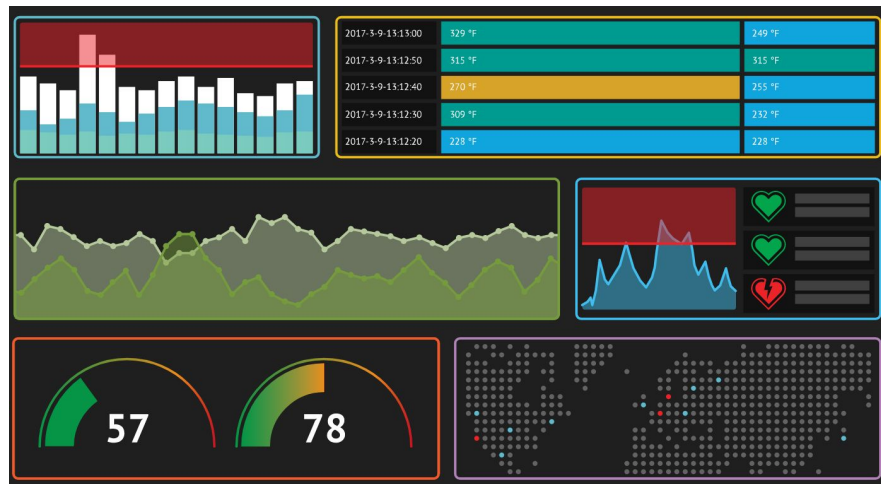
# Metrics, Analytics, Logs

## Client Impact:

Real time metrics help monitor system health and application performance.

## Developer Impact:

Create a verification trail and visualise application logs.  
Identify issues and resolve problems faster.





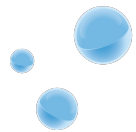
## Containers

Escape dependency hell when deploying code using containers. Save money on your cloud infrastructure bills. Scale faster with greater predictability.



## Performance

Website performance is critical to your success. We enable CDN, caching, in memory databases, image optimisation, DNS migration, pipelining and connection pooling on your site to improve performance and Google ranking.



**VARNISH**  
CACHE



## Security

Cloud security is a vast field. It requires continuous effort and alertness to stay on top of security threats. We implement a number of processes and tools so you can stay ahead of attackers.

External security audit and test agencies provide detailed reports of security threats on your site. We provide you with the expertise and manpower required to action out their recommendations and secure your site.



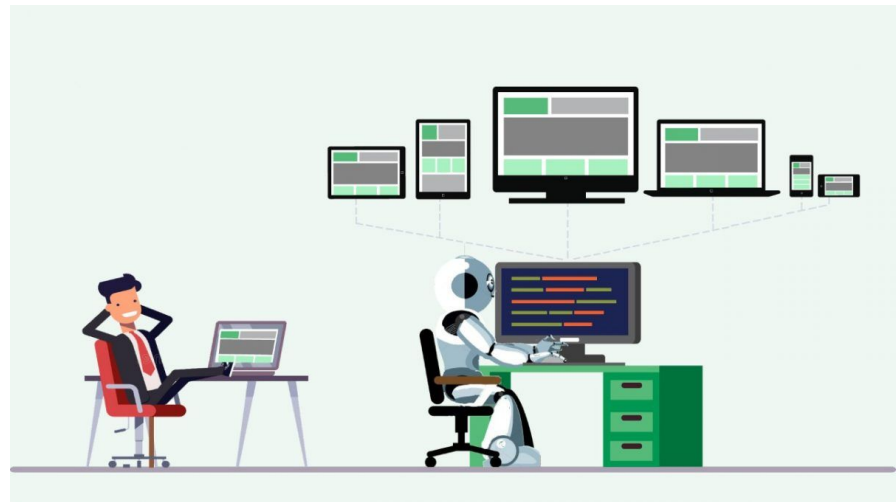
# Deployment (CI/CD)

## 01 - Automated Build and Testing

Release quicker, with greater accuracy. Eliminate uncertainties from the release process.

### Continuous Integration:

A continuous integration pipeline ensures all your commits integrate well with the rest of the system. Automated tests ensure any errors or API compatibility breakages are detected faster.



**Jenkins**



**git**

**maven**

# Deployment

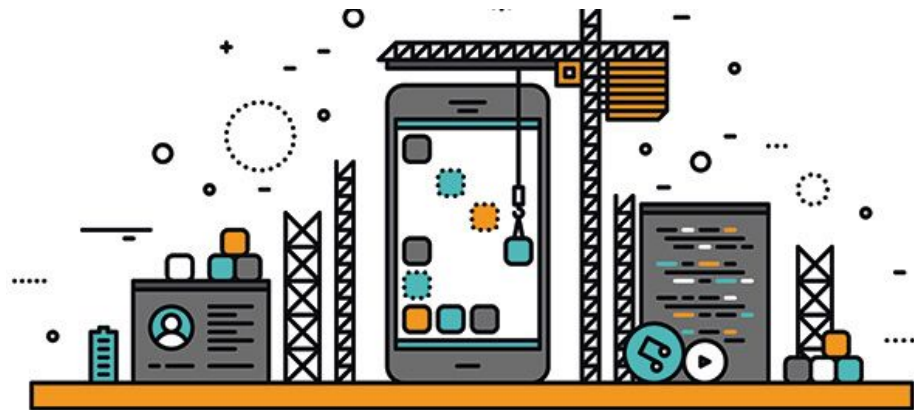
## 02 - Automated Deployment

### Continuous Delivery and Deployment:

Orchestrate your system so you can deploy any commit or release to a new or existing test, dev or staging environment at the press of a button.

### Configuration Management:

Your code cannot run without the configurations, settings and packages it needs. A CMDB captures all these settings, and the architecture of your infrastructure in git - configuration is code!



## Orchestration

### Automated Infrastructure

#### System Orchestration:

No more logging into the AWS console to create a new web server. Add the web server in the CMDB and the orchestration pipeline will launch a new instance, configure it, deploy your release, and add it to the cluster. All automatically.

Orchestration ensures all of your servers look exactly the same, without any “secret sauce” being typed in at the console to make them work.



# Cloud Computing

## A Simpler, Cheaper Paradigm

### Cloud Migration:

Say goodbye to the high cost of hardware and hosting by migrating your applications to the cloud.

Cloud services are flexible and scalable, and you pay for what you use. Migrating your application infrastructure to the cloud makes it more robust, efficient and economic. We are here to help you walk through the challenges of this migration.







Proposed solution

Thinvent will provide your engineering team with a dedicated set of DevOps and Ops engineers who will build, operate, secure and automate your infrastructure.



## Team and Customers

The Thinvent DevOps team is led by [Saurabh Jain](#), who has 20+ years of experience running Linux in complex distributed environments.





# Thank you

