# Title: DevOps - Q1 2019 Aspirations

|  |
| --- |
| **Aspirations - January 2019** Freshsales 22 Jan 2019 |
| Mission: Scale Freshsales ensuring high availability and reliability in cost effective manner |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Email** | **Git home (if applicable)** |
| **Tech Lead** | Sivakumar | [sivakumar.muthuchamy@freshworks.com](mailto:sivakumar.muthuchamy@freshworks.com) | <https://github.com/orgs/freshdesk/people/sivakumar07> |
|  | Madhava Reddy SV | [madhava.sanikommu@freshworks.com](mailto:madhava.sanikommu@freshworks.com) | <https://github.com/venkatamadhavareddysanikommu> |

## **Success metric trend (over the past 3 months)**

|  |  |  |
| --- | --- | --- |
| Metric | December | January |
| Deployments per month(60 per month) | 15 | 5 |
| Uptime(99.99%) | 100% | 99.94% |
| Response time : Average(<90ms) | 130 ms | 129 ms |
| Apdex(0.99) | 0.97 | 0.97 |
| Infra cost | 186.18k | 28.6(k) |

## **Previous Aspirations Link:**

[Devops - Q4 2018 Aspirations](https://confluence.freshworks.com/pages/viewpage.action?pageId=202540769)

## **Results: How did we do since last Aspirations? (Planned vs Delivered - Summarise the results and provide applicable links)**

|  |  |  |
| --- | --- | --- |
| Goal (from previous Aspirations) | Results | Deliverables |
| Australia Stack creation [Sivakumar Muthuchamy](https://confluence.freshworks.com/display/~sivakumar.muthuchamy) | Done |  |
| Staging Stack Creation [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done |  |
| Migrating services to redis labs [Sivakumar Muthuchamy](https://confluence.freshworks.com/display/~sivakumar.muthuchamy) | Done | Unable to render Jira issues macro, execution error. |
| Introducing IAM groups and roles for staging [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | Unable to render Jira issues macro, execution error. |
| Account Setting caching [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | Unable to render Jira issues macro, execution error. |
| Stop Cloudwatch logs in prod stacks [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | Unable to render Jira issues macro, execution error. Unable to render Jira issues macro, execution error. |
| Docker usage documentation [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | Unable to render Jira issues macro, execution error. |
| Recipe's generalization (storage, elb) [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | Unable to render Jira issues macro, execution error. |
| Redundant aws resources cleaning [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | Unable to render Jira issues macro, execution error. |
|  |  |  |
| MySQL upgrade 5.7.23 (DevOps) [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) [Sivakumar Muthuchamy](https://confluence.freshworks.com/display/~sivakumar.muthuchamy) | In Staging | Unable to render Jira issues macro, execution error. |
| Sidekiq redesign processes for each instance type | In Review | Unable to render Jira issues macro, execution error. |
| Bootstrap make every ID column to be bigint unsigned | In Review | Unable to render Jira issues macro, execution error. |

## **Top Issues (faced since last Aspirations)**

|  |  |  |
| --- | --- | --- |
| Issue | Root cause | Recurring |
|  |  |  |

## **Plan for next month (or) Aspirations**

|  |  |
| --- | --- |
| Goal | Deliverables |
| Admin Console Roles | Unable to render Jira issues macro, execution error. |
| Fsbot output attachments move them from email attachments | Unable to render Jira issues macro, execution error. |
| Creating shard specific accounts for NOC monitoring | Unable to render Jira issues macro, execution error. |
| Rails version upgrade to at least Rails 4 | Unable to render Jira issues macro, execution error. |
| Ruby version upgrade to 2.3.7 | Unable to render Jira issues macro, execution error. |
| Sidekiq redesign according to queue priorities |  |
| Migrating to freshping |  |

|  |  |
| --- | --- |
| Stretch goal | Deliverables |
| Parallelise the database migrations for shards | Unable to render Jira issues macro, execution error. |
| Mysql use respective users while accessing db from app | Unable to render Jira issues macro, execution error. |
| Revisiting production layers | Unable to render Jira issues macro, execution error. |

## **Identified risks**

|  |  |  |
| --- | --- | --- |
| Risk | Mitigation strategy | Recurring |
|  |  |  |
|  |  |  |

## **Do you have any specific asks? (any help needed to address constraints, unblocking, ...)**

**(Please keep this list engineering related - this section is optional)**

|  |  |  |
| --- | --- | --- |
| Ask | Impact | Recurring |
|  |  |  |

## **Peer appreciation**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Appreciated by | Impact | In their own words |
|  |  |  |  |

## **Plan/Roadmap/Vision - that extends beyond one month (or) next Aspirations**

Cost optimisation

Rotating deployment keys