# Title: Eagle One - Mid Q2 2019 Aspirations

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| **Aspirations - May 2019** Freshsales 21 May 2019 |
| Mission: Scale Freshsales ensuring high availability and reliability in cost effective manner |

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|  | Madhava Reddy SV | [madhava.sanikommu@freshworks.com](mailto:madhava.sanikommu@freshworks.com) | <https://github.com/venkatamadhavareddysanikommu> |

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

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| --- | --- | --- | --- | --- | --- |
| Metric | January | February | March | April | May (till now) |
| Uptime(99.99%) - Based on updates.freshsales.io | 99.94% | 100% | 100% | 100% | 100% |
| Response time : Average(<90ms) | 129 ms | 151 ms | 128 ms | 131ms | 135ms |
| Apdex(0.99) | 0.97 | 0.97 | 0.98 | 0.98 | 0.97 |
| Infra cost | 28.6(k) / 41.1? | 54.3K | 46K | 48K | 73K (redshift 38k reserved) |

## **Previous Aspirations Link:**

[DevOps - Q2 2019 Aspirations](https://confluence.freshworks.com/display/freshsales/DevOps+-+Q2+2019+Aspirations)

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

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| Goal (from previous Aspirations) | Status | Deliverables |
| Create a new stack for Freshsales Dedupe in staging and prod [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | <https://freshworks.freshrelease.com/issues/FSALES-9716> |
| Create Australia Stack [Sivakumar Muthuchamy](https://confluence.freshworks.com/display/~sivakumar.muthuchamy) | Done | [https://freshworks.freshrelease.com/issues/FSALES-8017](https://freshworks.freshrelease.com/FSALES/issues/FSALES-8017) |
| Freddy deal insights - Infra setup [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | In Progress | [https://freshworks.freshrelease.com/issues/FSALES-10579](https://freshworks.freshrelease.com/FSALES/issues/FSALES-10579) |
| VAPT test stack creation in staging [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | [https://freshworks.freshrelease.com/issues/FSALES-10676](https://freshworks.freshrelease.com/FSALES/issues/FSALES-10676) |
| 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 Progress | <https://freshworks.freshrelease.com/issues/FSALES-7682> |
| Docker support for fs-dedupe and elasticsearch services [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | <https://freshworks.freshrelease.com/issues/FSALES-7822> |
| Migrate G+ to G sign-in [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | <https://freshworks.freshrelease.com/issues/FSALES-7628> |
| Fsbot Redis Wrapper [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | Done | [https://freshworks.freshrelease.com/issues/FSALES-8279](https://freshworks.freshrelease.com/FSALES/issues/FSALES-8279) |
| ES cluster - move to instance store | Done | [https://freshworks.freshrelease.com/issues/FSALES-9906](https://freshworks.freshrelease.com/FSALES/issues/FSALES-9906) |

## **Tech Debts**

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| Item name | Description |
| ES cluster - move to instance store |  |
|  |  |

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

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| --- | --- | --- |
| Issue | Root cause | Recurring |
| Search service degraded performance | Less passenger processes in general application layer | No |
| delay in real time notifications | Central giving read timeouts | No |

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

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| --- | --- |
| Goal | Deliverables |
| Sidekiq redesign according to queue priorities | <https://freshworks.freshrelease.com/issues/FSALES-7675> |
| Freddy deal insights - Infra setup [Madhava Sanikommu](https://confluence.freshworks.com/display/~madhava.sanikommu) | [https://freshworks.freshrelease.com/issues/FSALES-10579](https://freshworks.freshrelease.com/FSALES/issues/FSALES-10579) |
| Add tags for aws resources | [https://freshworks.freshrelease.com/issues/FSALES-10503](https://freshworks.freshrelease.com/FSALES/issues/FSALES-10503) |
| Use connection pool for redis connections | <https://freshworks.freshrelease.com/issues/FSALES-8472> |
| Add Haproxy level block | <https://freshworks.freshrelease.com/issues/FSALES-8041> |
| Migrating to freshping |  |

## **Stretch goals**

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| Goal | Deliverables |
| Parallelise the database migrations for shards | <https://freshworks.freshrelease.com/issues/FSALES-7734> |
| Mysql use respective users while accessing db from app | <https://freshworks.freshrelease.com/issues/FSALES-7715> |
| Restricting SUDO Access to app user in EC2 instances | [https://freshworks.freshrelease.com/issues/FSALES-7626](https://freshworks.freshrelease.com/FSALES/issues/FSALES-7626) |
| Move to sidekiq pro | [https://freshworks.freshrelease.com/issues/FSALES-9905](https://freshworks.freshrelease.com/FSALES/issues/FSALES-9905) |
| Revisiting production layers | <https://freshworks.freshrelease.com/issues/FSALES-7687> |
| Cost optimisation |  |
| Rotating deployment keys |  |

## **Identified risks**

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| --- | --- | --- |
| 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 |
|  |  |  |