

Performance Monitoring for Highimpact Business Solutions

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of Dyzaro

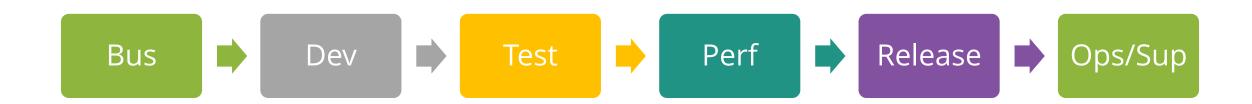


DevOps

July 2017

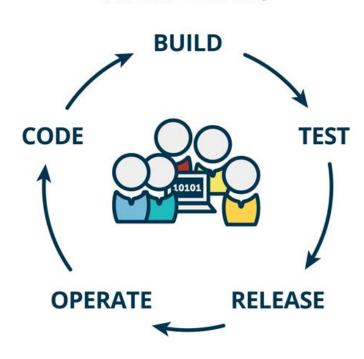
Disclaimer for references: some of the details attached are references are from the internet. I can provide more info based on the request

IT process

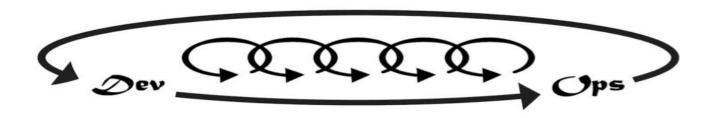


DevOps – Case study leading client

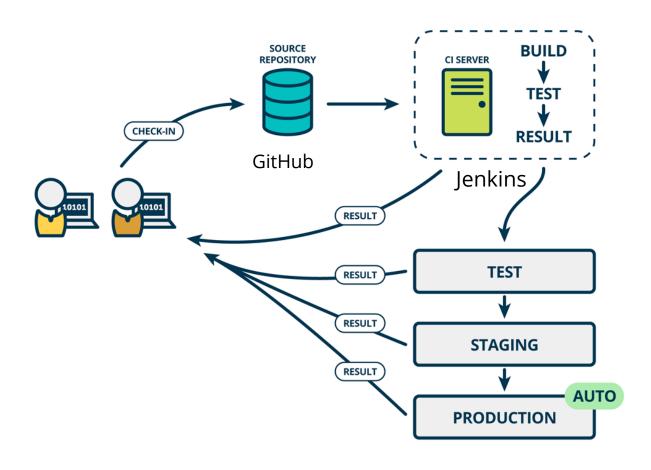
NEW WAY:



Create culture of continual experimentation and learning



Continuous Integration/Continuous Delivery



DevOps and its charter

- Create Continuous Integration/ Continuous delivery framework for Application development teams
- Provide metrics at every stage, from the time an idea is conceived to its delivery
- Maintain and secure cloud platform

Current status

- Manage releases
- Support and provision environments
- Maintaining production environment

Road map

- Develop CI/CD framework
- Standardize alerts and monitoring on one vendor platform and fill the gaps in coverage
- Setting up performance tests
- Hiring/building team

DevOps team's progress

- Automated provisioning of creation of VMs through Azure scripts
- Evaluated Puppet, Microsoft automation of deployment of software
- Standardizing alerts/monitoring on one Vendor platform

CI & CD

Continuous integration

and

Continuous deployment

with Jenkins



What is Continuous integration

- A development methodology
- Of daily developer integrations
- Verified by automated builds
- Every commit triggers a build
 - As soon as you have completed an independent functionality
 - A full build on another, empty machine



Self-testing build

- Directly go from source to running build
 - No manual copying
 - No click on dialog boxes
 - No configuration file editing
- Test with
 - Unit tests
 - Functional tests (web tests)
 - Performance tests
- Responsible persons should be notified when anything fails
- Tests web in more browsers



What is it not

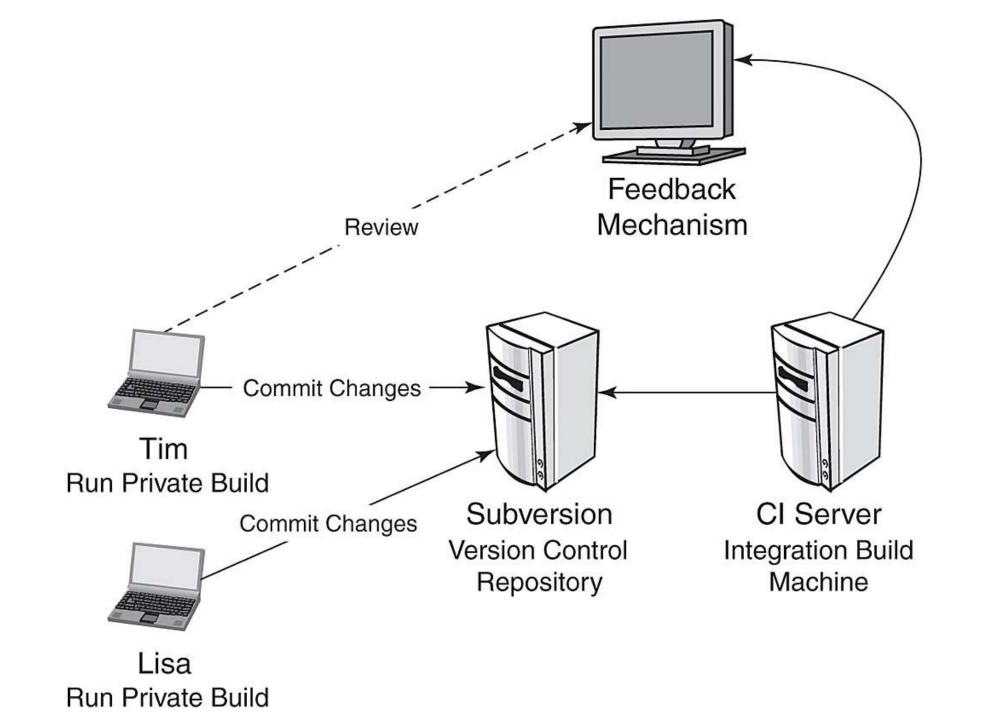
- Nightly builds
- Developer branches
- Scheduled integration points
- Building via IDEs



Why use continuous integration

- Automate the build
- Make the build self testing
- Keep the build fast
- Test in a clone of the production environment
- Everyone can see what's happening
- Automate deployment





Continuous Delivery

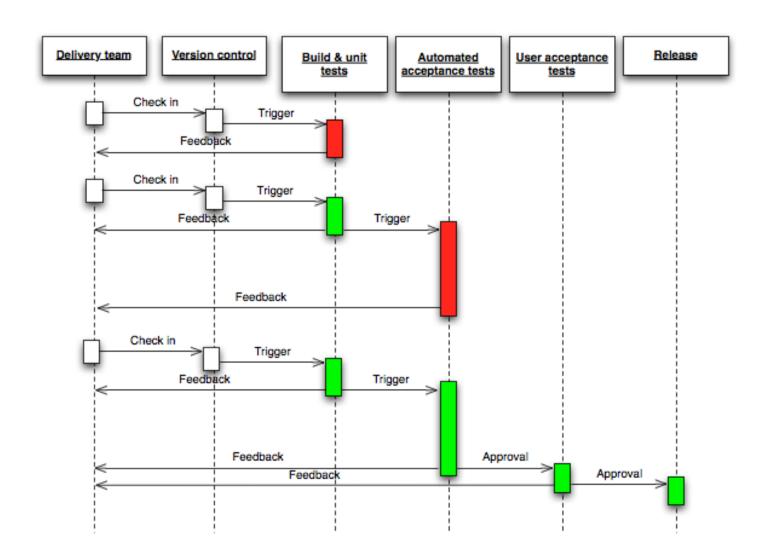
- Continuous delivery/Continuous deployment
- Continuous, successful and repeatable methodology to deploying code
- Automated the steps of taking checked in code and making it run on production servers, used by customers



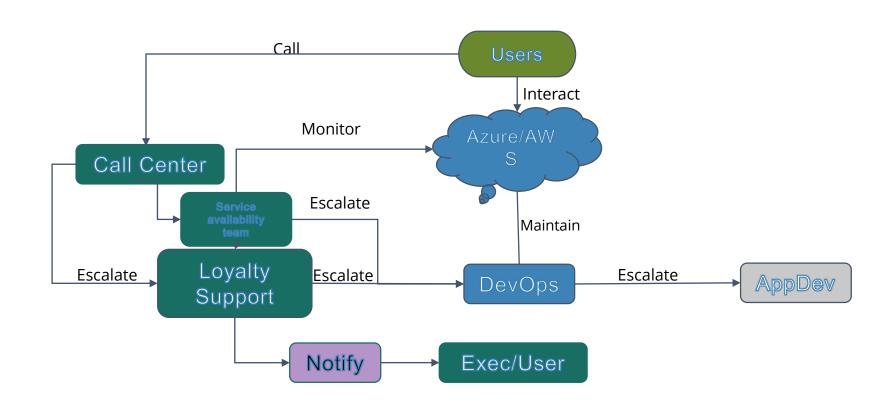
Principles of Continuous Delivery

- The process for releasing/deploying software MUST be repeatable and reliable
- Automate everything
- If somethings difficult or painful, do it more often
- Keep everything in source control
- Done means "released"
- Build quality in
- Everybody has responsibility for the release process
- Improve continuously

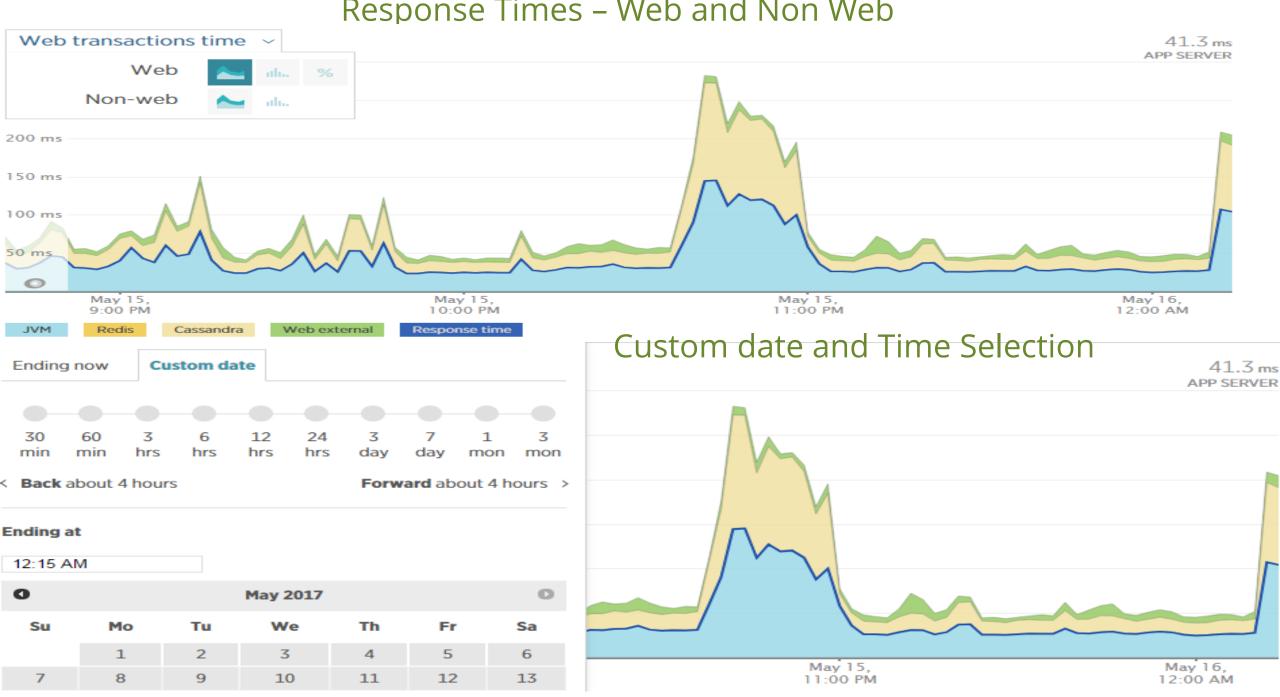




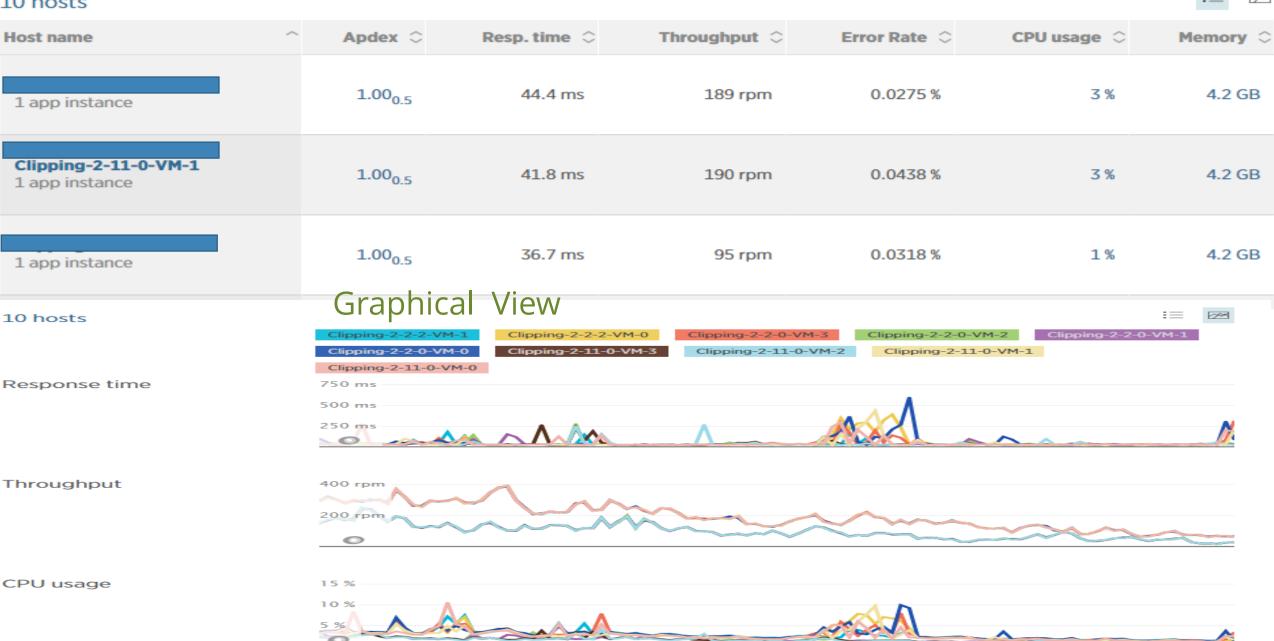
Teams structure

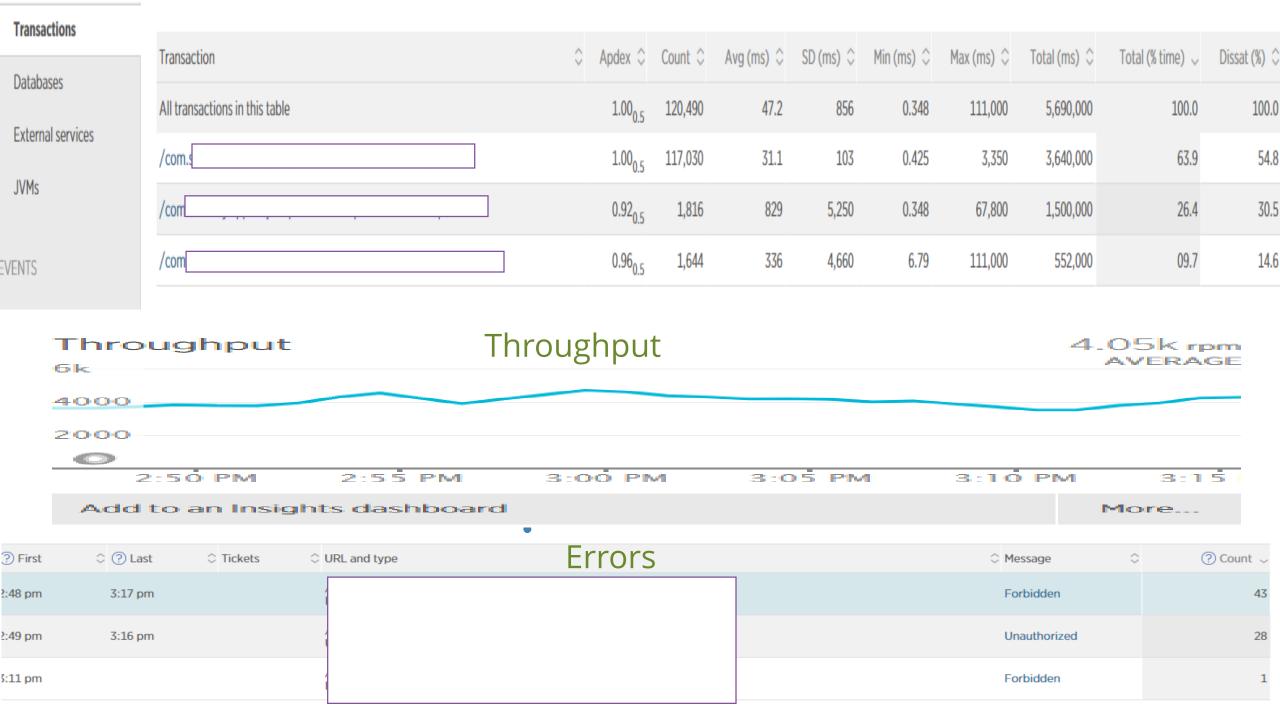


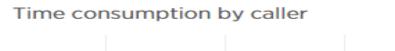
Response Times – Web and Non Web

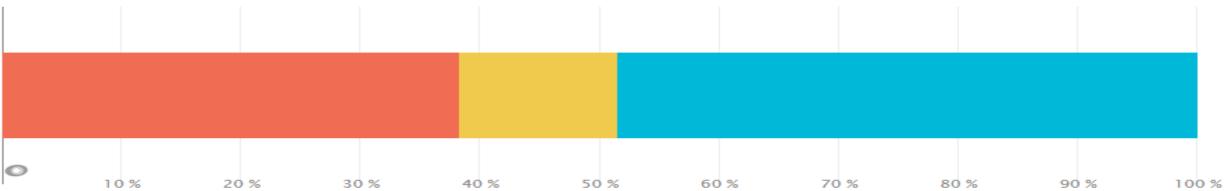


10 hosts







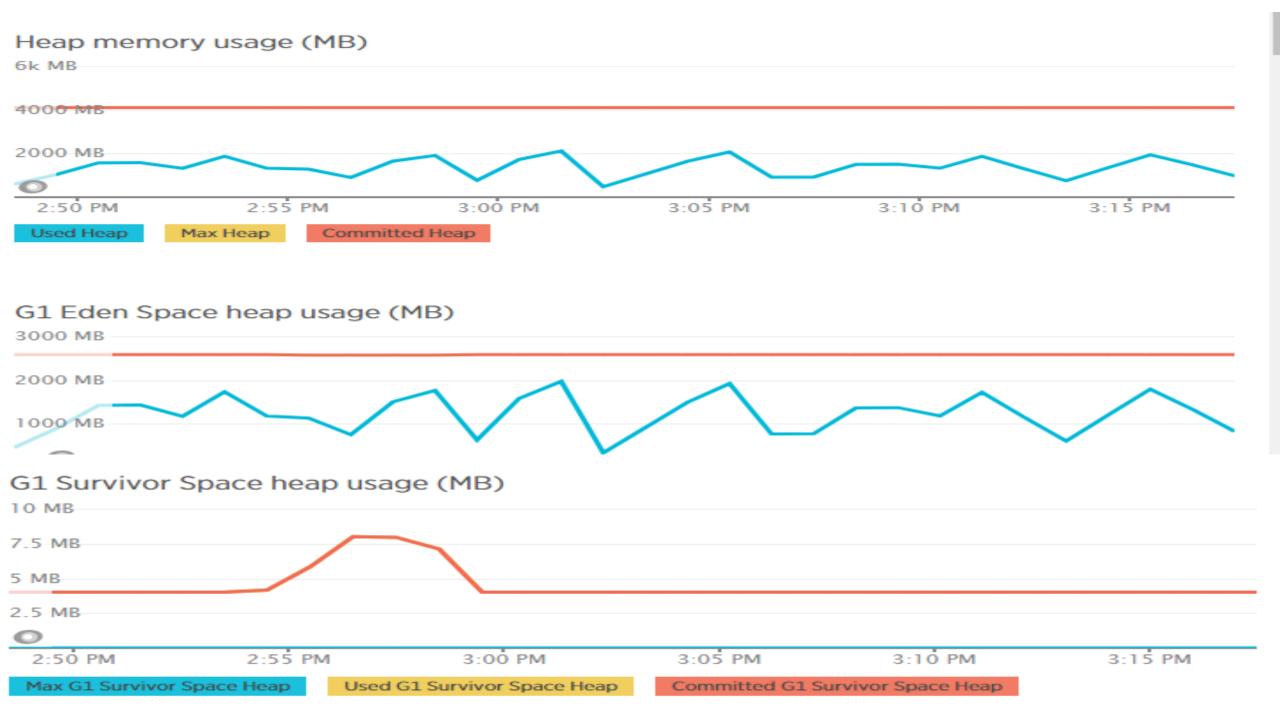


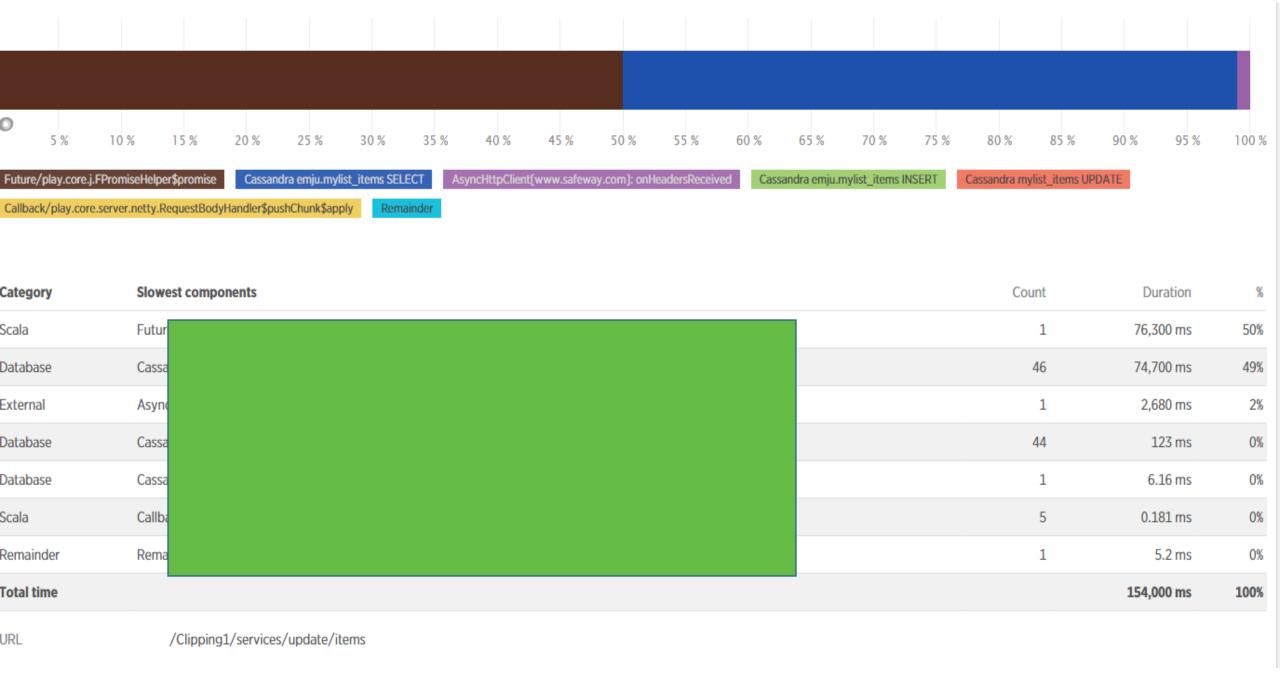
/com.safeway.app.emju.clip.controller.ClipController.clipItems

/com.safeway.app.emju.clip.controller.DeleteController.deleteFromList

/com.safeway.app.emju.clip.controller.UpdateController.updateList

Filter slow queries			
Slow queries	\$	Query time 😞	Date 🗘
SELECT retail_customer_id, household_id, shopping_list_nm, item_type_cd, store_id, item_id, category_id, checke d_ind, clip_id, clip_ts, club_card_nbr, delete_ts, item_desc, item_end_dt, item_image, item_price_value, item_pro mo_price, item_quantity, item_ref_id, item_start_dt, item_title, last_upd_ts, last_upd_usr_id, shopping_list_desc, s ource_a		5 s	05/16 15:21
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SELECT retail_customer_id, household_id, shopping_list_nm, item_type_cd, store_id, item_id, category_id, checke d_ind, clip_id, clip_ts, club_card_nbr, delete_ts, item_desc, item_end_dt, item_image, item_price_value, item_pro mo_price, item_quantity, item_ref_id, item_start_dt, item_title, last_upd_ts, last_upd_usr_id, shopping_list_desc, s ource_a		1.49 s	05/16 15:19







Our team



Seeth GudeteeFounder and CEO
of Dyzaro



Midhun Gandhi DBA /Architect



SatishDev OPS Engineer

