# Title: Impact Assessment

Purpose of document:

When we are testing a big feature (e.g. multiple emails, multiple sales accounts for a contact) that affects different parts of product, we need to know all moving parts and test them. The intent of this document is to capture those.

Please feel free to keep this document updated with more scenarios and areas of impact.

Below is the checklist of the areas that might get impacted in product:

* Signup
* Import
* Migration
* Integration Eg: Freshpipe apps, freshchat, freshcaller
* Freshsales for web
* Smartforms
* Webforms
* API
* Search API
* Lookup API
* Segment
* Reports
* Mailbox connection
* Plans switching
* Roles
* Scope
* Language
* RTL
* Cross-browser
* Central events
* Notifications
* Rebranding feature-Primary brand colour and shades of the same,App Logo,Fav Icon,Brand Name (tab name on the browser's tab)
* Field Permissions
* Existing customers who has the feature enabled should be verified if a particular feature has some upgrades.

Mobile Impact:

* Old build - CRUD of core modules like lead, contact, sales\_account, deal, task, appointment
* New build - CRUD of core modules like lead, contact, sales\_account, deal, task, appointment

Other verifications:

* ES - MySql backup => If new data is pushed to ES, ensure that it works even when ES is disabled and only MySql has data
* Newrelic errors => Verify every single error in newrelic. Also monitor page load times, to error rates, slow transactions
* Sidekiq errors => Some of the workers may raise exceptions when processing jobs. Monitor for all new exceptions
* n+1 queries => It is much faster to issue 1 query which returns 100 results than to issue 100 queries which each return 1 result. Monitor staging.log to identify this kind of queries. For details refer <https://secure.phabricator.com/book/phabcontrib/article/n_plus_one/>
* Migration/Rake => Tasks must be run in staging stack

Documents to be ready:

* KBase => KBase documentation should be ready before moving the feature to production
* API => API documentation should be ready before moving the feature to production

When we are adding a new field:

* Verify formserv positions if field addition (both in new accounts & existing accounts)
* Verify what happens when field with same name already exists
* Verify field Permissions
* Verify the behavior of new field in    - Territory

                                                                       - Lead Score Customisation

                                                                       - Workflow

                                                                       - Reports

                                                                       - Dashboard

                                                                       - Central events payload