# Initial design doc

## Assumptions

1. "Customer" is an Organisation, so user must be part of an Organisation
2. For Trail uses the term "... over a couple of weeks" is assumed to mean that after 2 weeks they are blocked from use, whether they have used all 10 credits or not
3. With regard to notifications, "on track to hit limit" is assumed to be that the organisation is at 90% of it’s credits
4. User Auth is a separate system, a token will be given when the API is called, this token is then validated by an external system
5. Setting User credit limit doesn’t validate against the whole Organisation plan, i.e if an Organisation 100 credits and 2 Users, setting the User limit to 60 doesnt error.
6. If an organisation has an uplift this does not count towards the notification limit
7. A month is a calendar month

## User Definitions

Organisation – an organisation contains a number of users and is what the report plan is associated with.

User – A user is capable of generating reports and must be associated with an organisation.

Trial User – A trial user is capable of generating reports without being linked to an organisation.

Admin – The Admin will be capable of manging the system, users and Organisations within the system.

Xapien – The Company generating reports.

## Requirements

1. Organisation can be allocated a Plan.
2. Plan has a number of reports allocated per month.
3. Trail Users are capable of generating reports.
4. Trial Users are only capable of generating reports for up to 2 weeks.
5. Trail Users are only capable of generating up to 10 reports.
6. Users are linked to reports requested.
7. Users are capable of generating reports.
8. Users are capable of being given an allocated number of report credits.
9. Users are only capable of running up to there allocated limit of reports.
10. Xapien will receive notifications when an Organisation reaches the limit of its plan.
11. Xapien may receive notifications when an Organisation reaches 90% of its plan.
12. Organisations are capable of setting a per user limit on report credits.
13. Admins are capable of give organisation extra credits on top of their plan.
14. The extra credits given will only last one month.