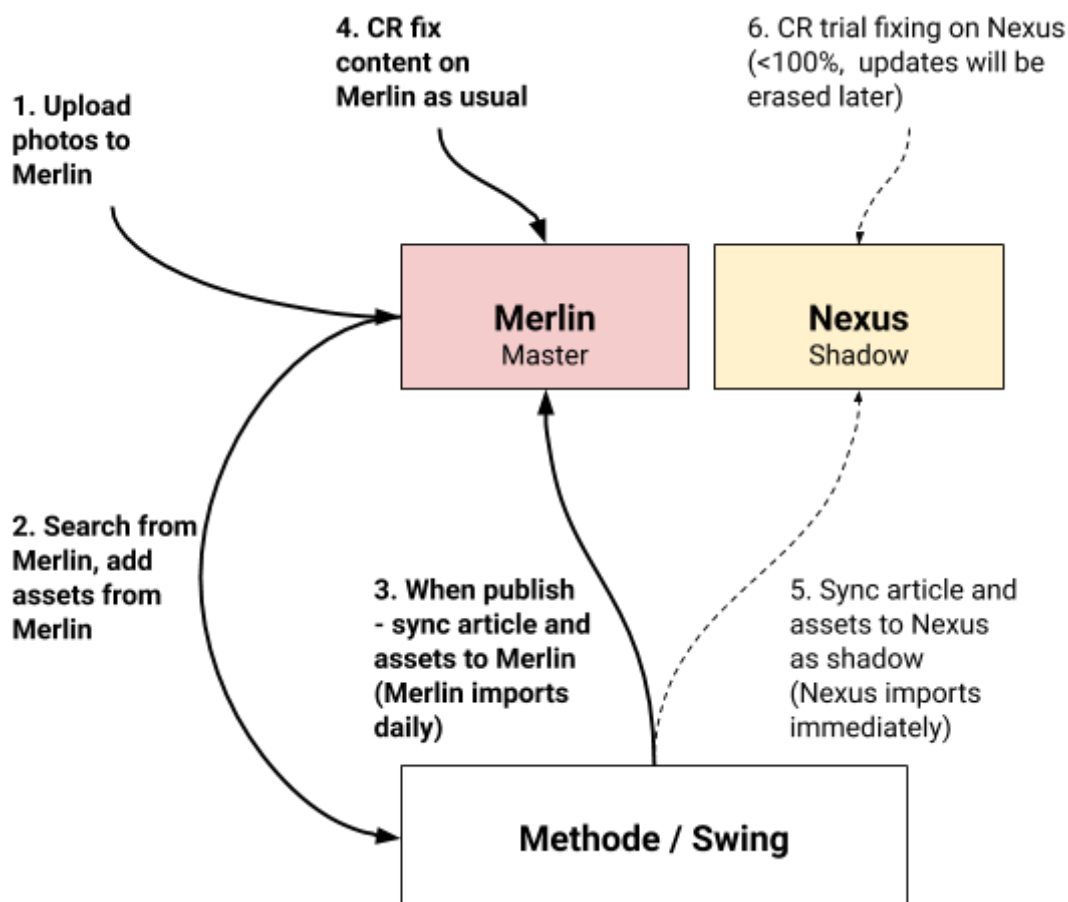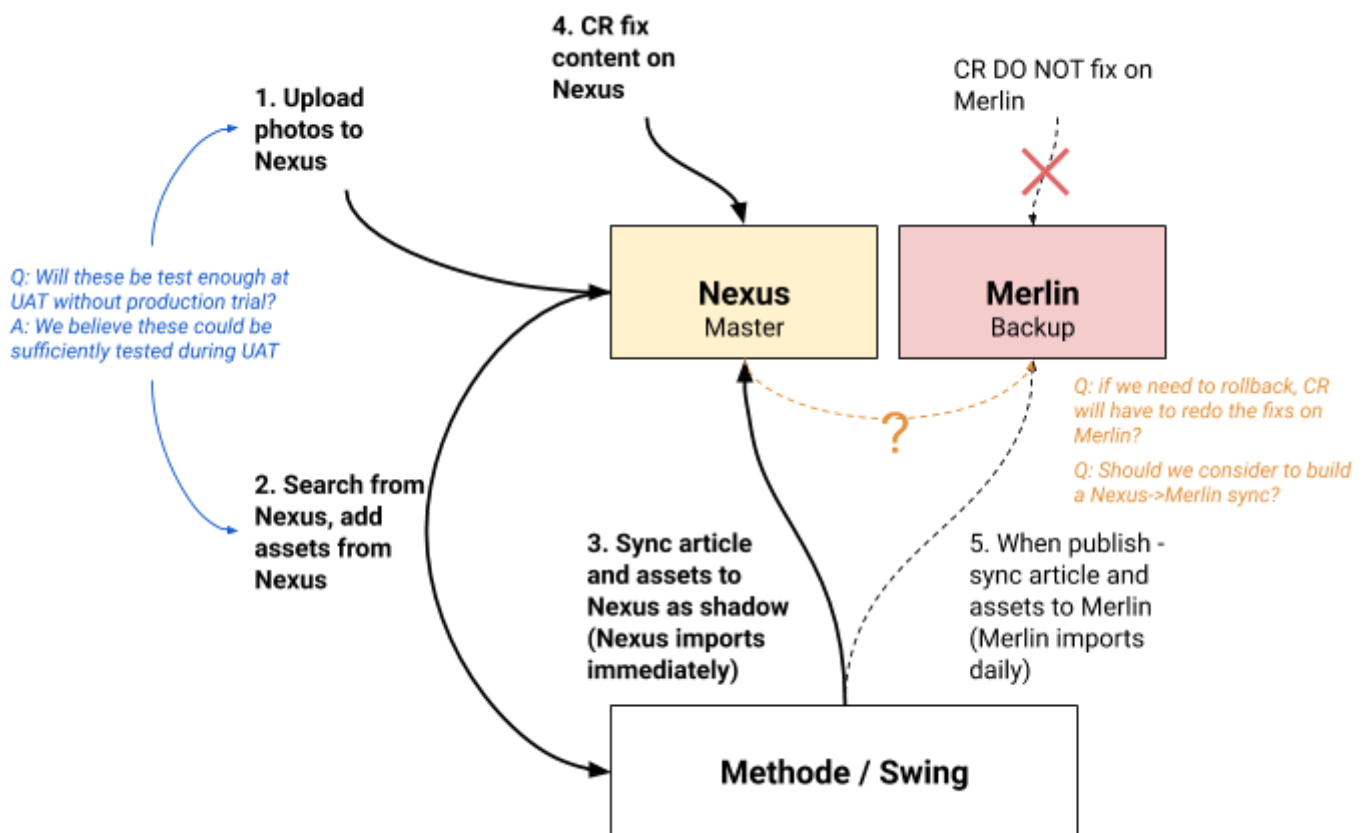# Nexus Launch Transition Plan

In order to ensure a smooth transition at the production launch, we will have a transition period that both Merlin and Nexus will run with Methode in parallel.

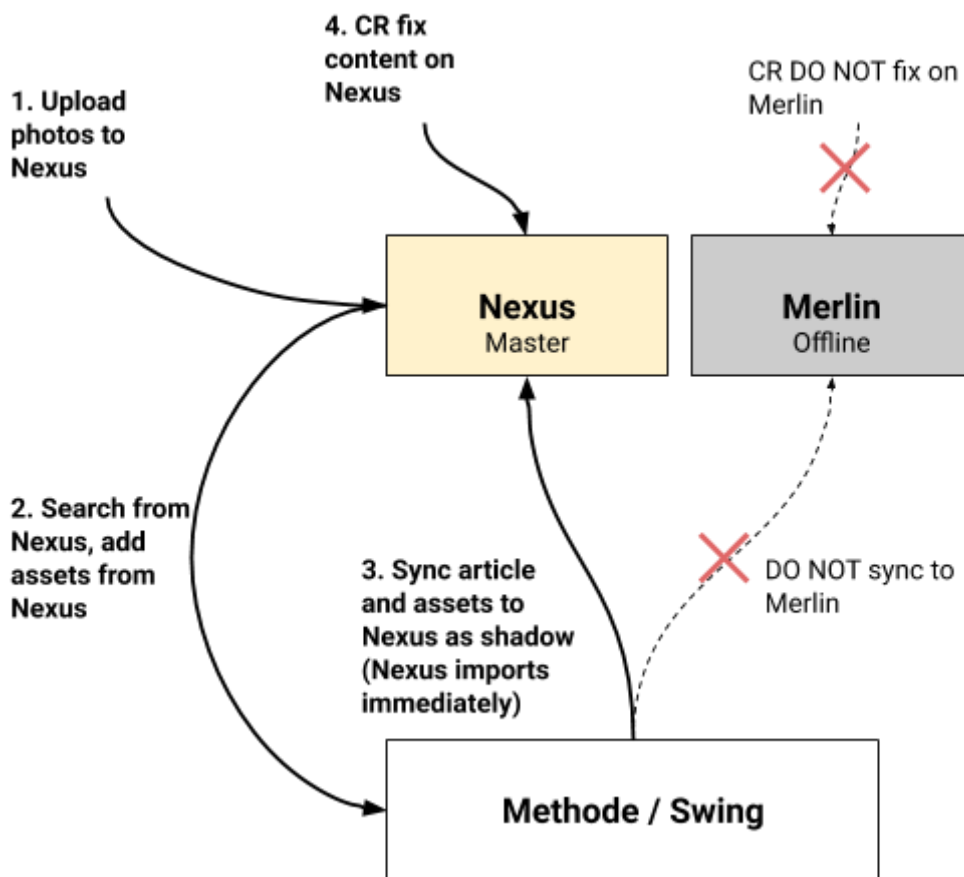## Transition Stage 1 - Merlin as Master; Nexus as Shadow

- Before stage 1, we will need to do migration from Merlin to Nexus.
- Merlin still serve as master archive, Nexus as shadow
- Photos still upload to Merlin, Searching from Merlin
- When articles publish, Methode sync to BOTH Merlin and Nexus
- CR to fix content on Merlin as usual - to maintain the integrity of data in Merlin
- CR will perform trial fixing on Nexus, feedback to Tech to ensure a workable flow for production launch
- Syndication will still be sent from Merlin
- Technically, we can re-do migration within stage 1.
- Regarding publishing and re-publishing, Nexus will:
  - Create records, pub histories for published items
  - Identify existing items, add pub histories and snapshot to existing items (Nexus to determine based on Merlin ID?)
- We should consider to turn on sync from Methode to Nexus as early as possible, once the major sync features developed. We expect we will kick off stage 1 in Sep 2019.

Transition Stage 2 - Nexus as master; Merlin as backup

4. CR fix content on Nexus

1. Upload photos to Nexus

CR DO NOT fix on Merlin

Q: Will these be test enough at UAT without production trial?
A: We believe these could be sufficiently tested during UAT

Nexus Master

Merlin Backup

Q: if we need to rollback, CR will have to redo the fixs on Merlin?

Q: Should we consider to build a Nexus->Merlin sync?

2. Search from Nexus, add assets from Nexus

3. Sync article and assets to Nexus as shadow (Nexus imports immediately)

5. When publish - sync article and assets to Merlin (Merlin imports daily)

Methode / Swing

- **Before stage 2, we will need to do migration from Merlin to Nexus for the last time**
- Nexus serves as master, Merlin as backup
- Photo upload to Nexus, Searching from Nexus
- When article publish, Methode sync to BOTH Merlin and Nexus
- CR to fix content on Nexus - Nexus holds all the truth
- CR will not update Merlin
- Syndication will be sent from Nexus
- Question: How Merlin handle photos uploaded to Nexus, then sent from Methode?
- Concern: As new photos and fixes will be happening in Nexus, Merlin will become more and more out of sync over time. The effort required to rollback will become an issue. (e.g. require all new photos be re-uploaded and CR to re-do all fixes in Merlin)
- Should we consider to build Nexus-Merlin sync? As discussed on 24 June, we may not require this. As we should be able to identify data issues in stage 1, and UI issues in UAT. If we expect stage 2 is short, the chances of rolling back from Merlin is very slim which makes the effort not worthy. Subject to review.

Transition Stage 3 - Nexus as production; Merlin is offline

4. CR fix content on Nexus

1. Upload photos to Nexus

CR DO NOT fix on Merlin

| Nexus
Master | Merlin
Offline |

2. Search from Nexus, add assets from Nexus

3. Sync article and assets to Nexus as shadow (Nexus imports immediately)

DO NOT sync to Merlin

Methode / Swing

- Nexus takes over as production
- Photo upload to Nexus, Search from Nexus
- When article publish, Methode sync to Nexus only (DO NOT sync to Merlin anymore)
- CR to fix content on Nexus - Nexus holds all the truth
- Syndication will be sent from Nexus
- Hard deadline for stage 3 is end of Feb 2020 (Merlin contract expired)