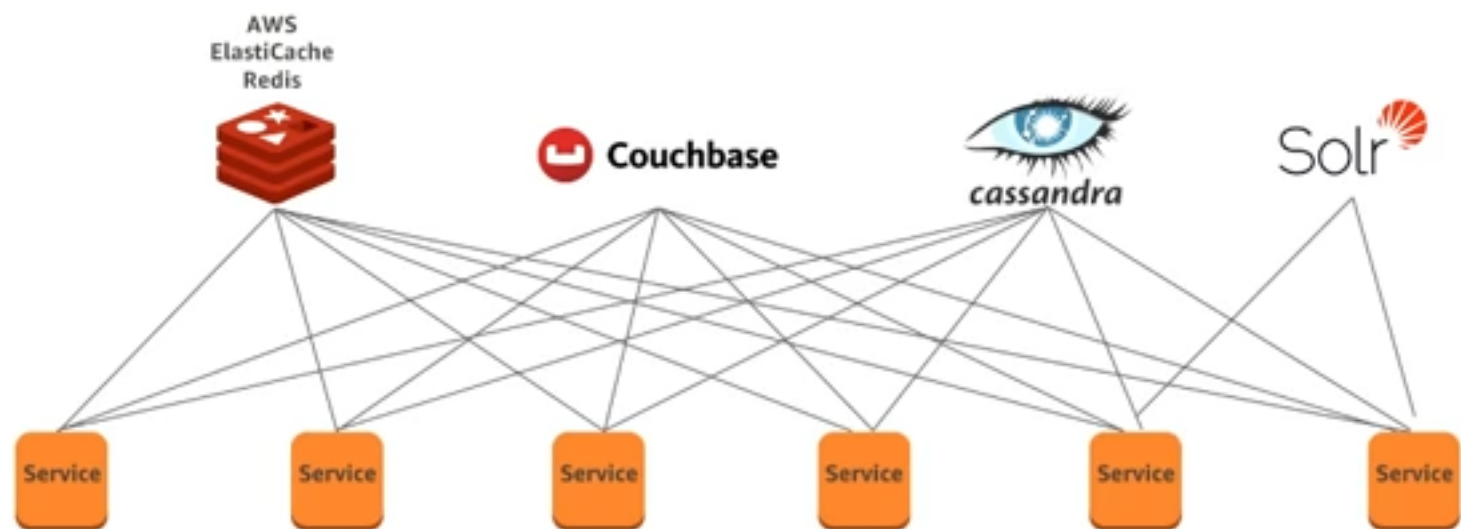
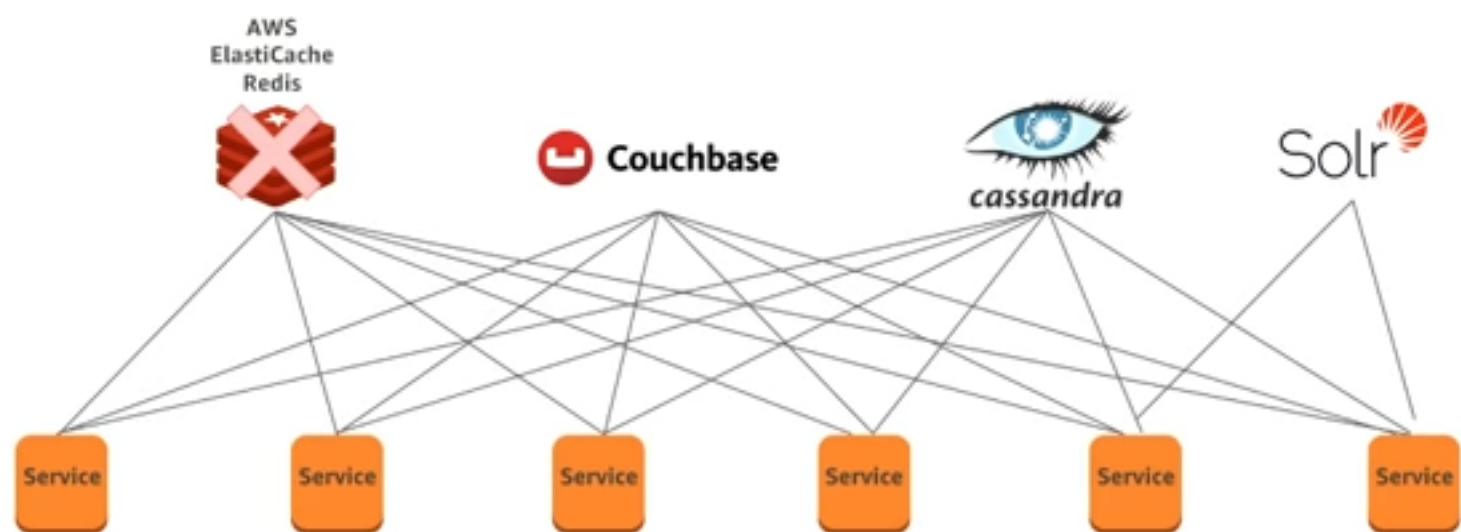


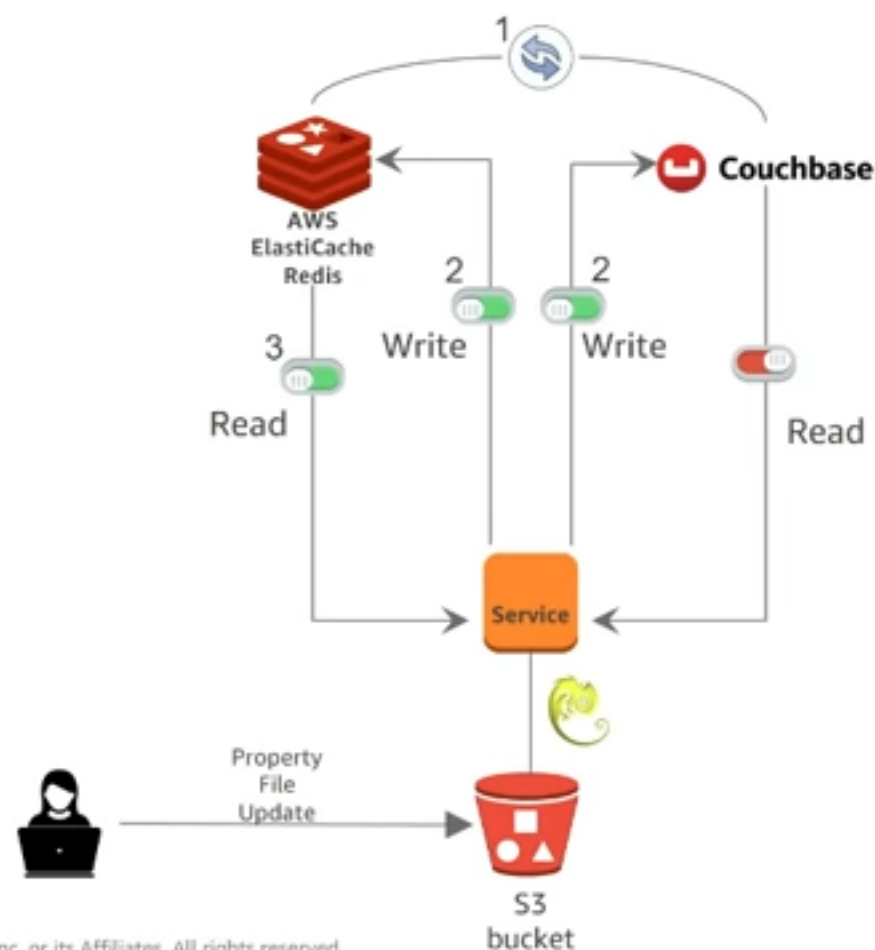
Technical stack



Technical stack consolidation



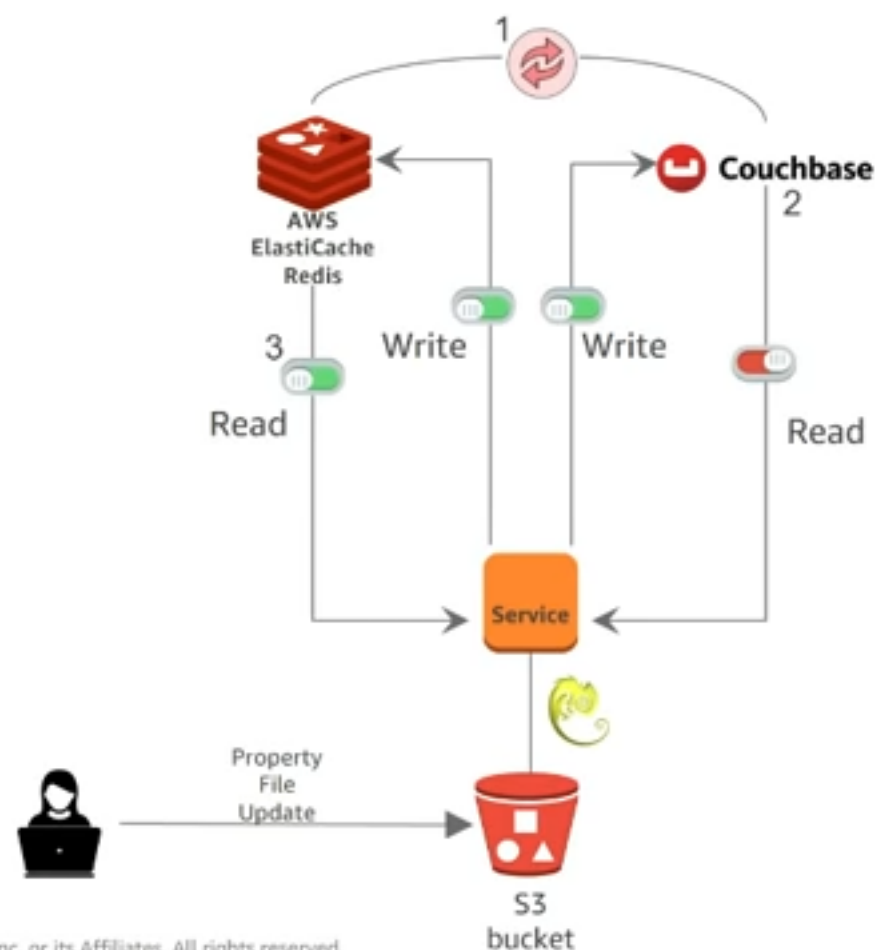
Migration with Dynamic Switches Step 1



1. Run migration process
2. Write to both old and new stack
3. Live service continues to read from old stack

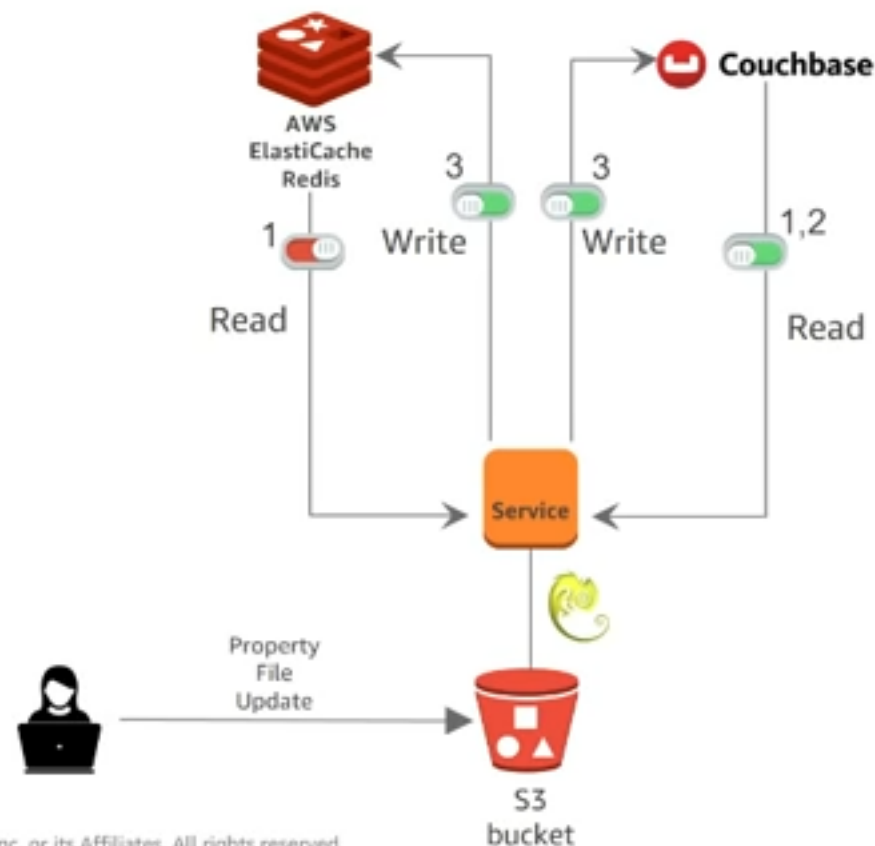


Migration with Dynamic Switches Step 2



1. Migration completes
2. Test and validate data on new stack in background
3. Live service continues to read from old stack

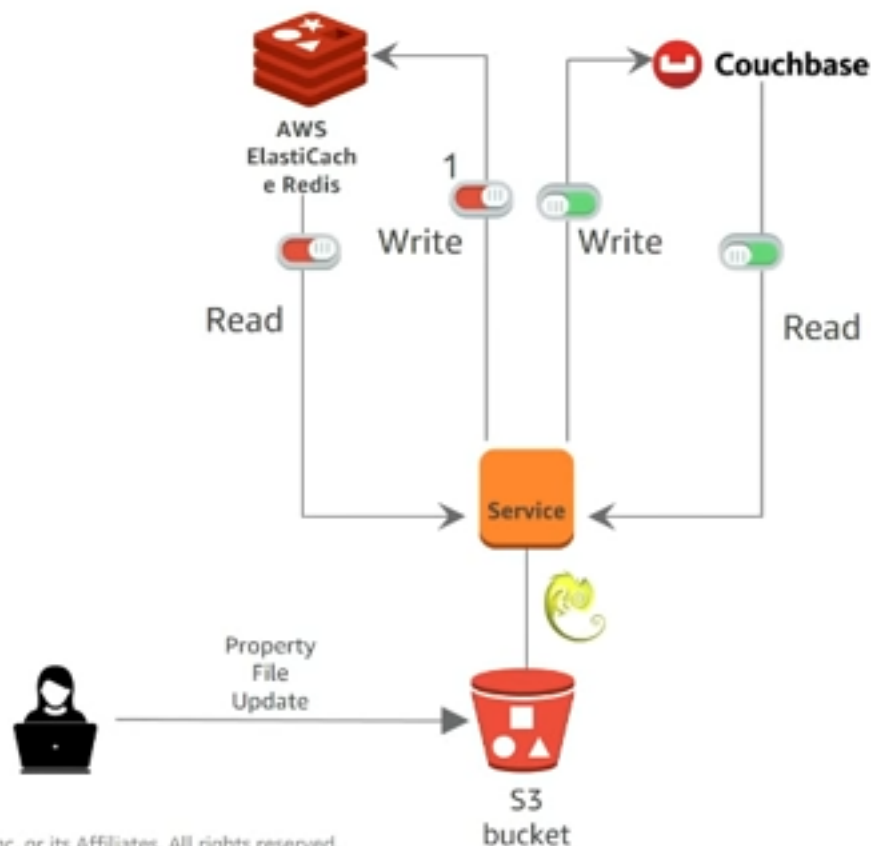
Migration with Dynamic Switches Step 3



1. Switch live service to read from new stack
2. More test and validation from live service
3. Keep writing live updates to both old and new stack

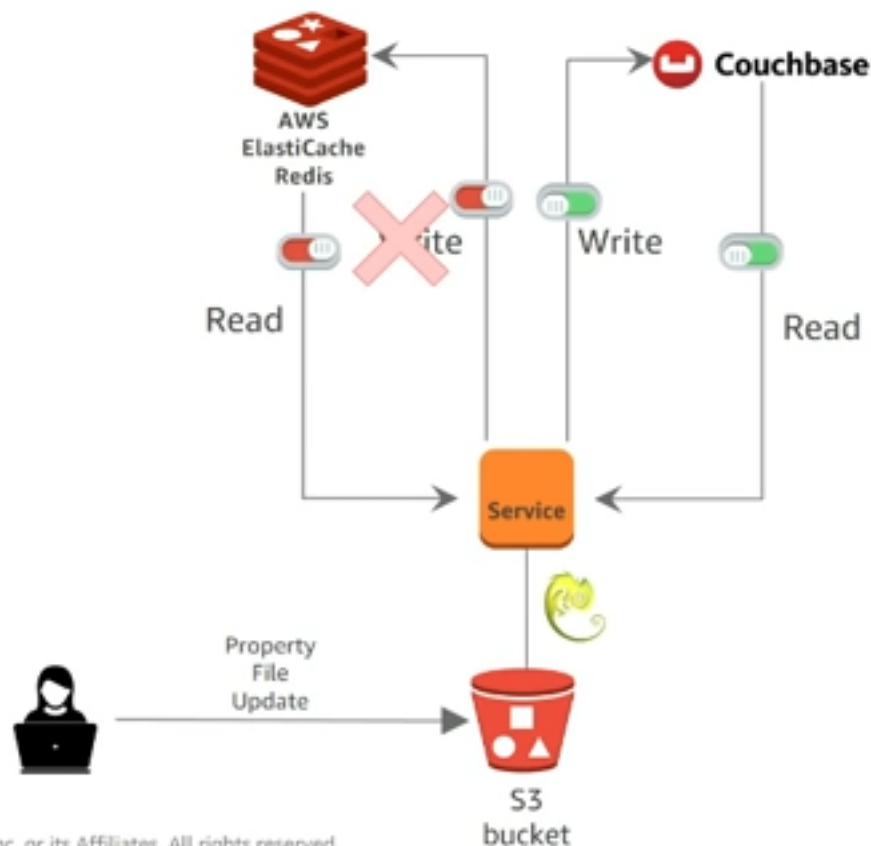
Migration with Dynamic Switches Step 4

1. When ready, stop writing to old stack



Migration with Dynamic Switches Step 5

- Decommission old stack



Lessons learned

- Prefer feature switches over code change
- Dynamic updates at runtime without server restarts
- When using dual-write, keep writing to old stack until you are 100% certain
- Wait an extra week before you stop writing to the old stack

