Slack Enterprise Key Management Senior to Staff Lessons

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Okay, so what is **Slack Enterprise Key Management**?





Enterprise Key Management (EKM)

Essentially Bring Your Own Key to Slack

More security conscious customers could control access to their sensitive data

Example Policy

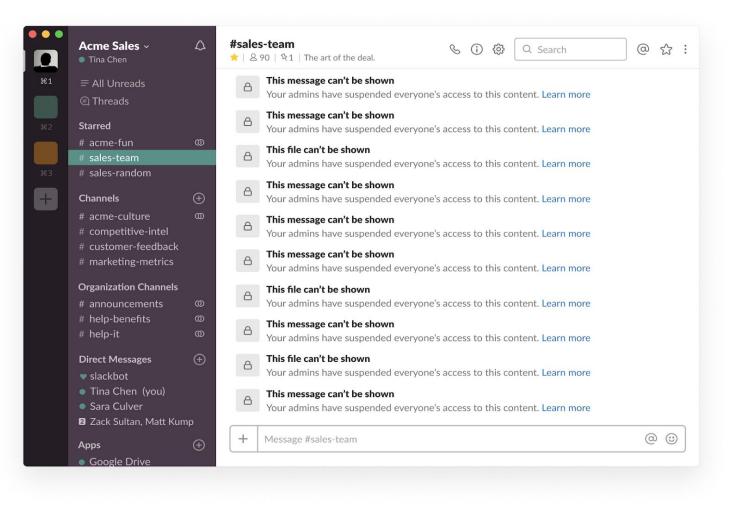
```
"Effect": "Allow",
"Principal": {"AWS": "arn:aws:iam::123456789098:root"},
"Action": ["kms:Decrypt", "kms:GenerateDataKey"],
"Resource": "*",
"Condition": {
    "StringEquals": {
        "kms:EncryptionContext:0": "ED14RK2GJ"
    }
```

Example Policy

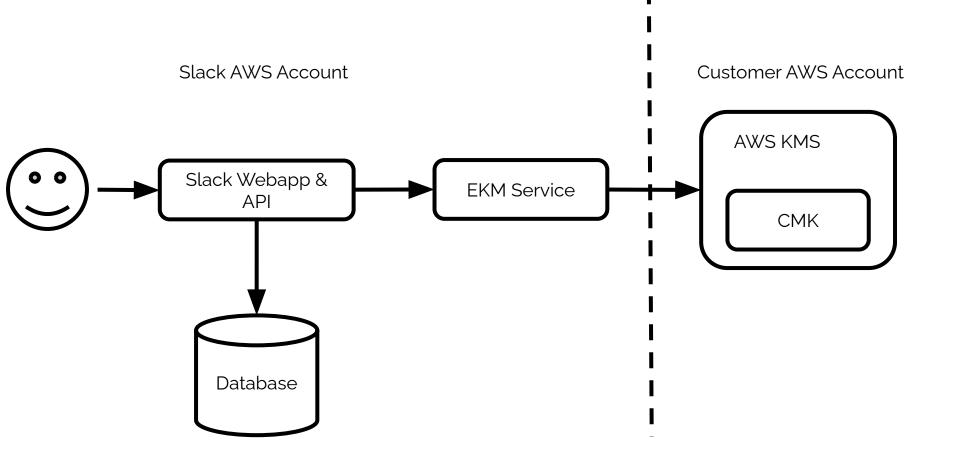
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"Condition": {
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      "kms:EncryptionContext:0": "ED14RK2GJ"
    }
```

Example Policy - File

```
"Effect": "Deny",
"Principal": {"AWS". "arn:aws:iam::123456789098:root"},
"Action": ["kms:Decrypt", "kms:GenerateDataKey"],
"Resource": "*",
"Condition": {
    "StringEquals": {
        "kms:EncryptionContext:O": "ED14RK2GJ"
        "kms:EncryptionContext:C": "C7WEH8120"
```









1. Prototyping is your friend

Especially when you're changing how the product of your company fundamentally works

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→ Start to explore the corners of the problem

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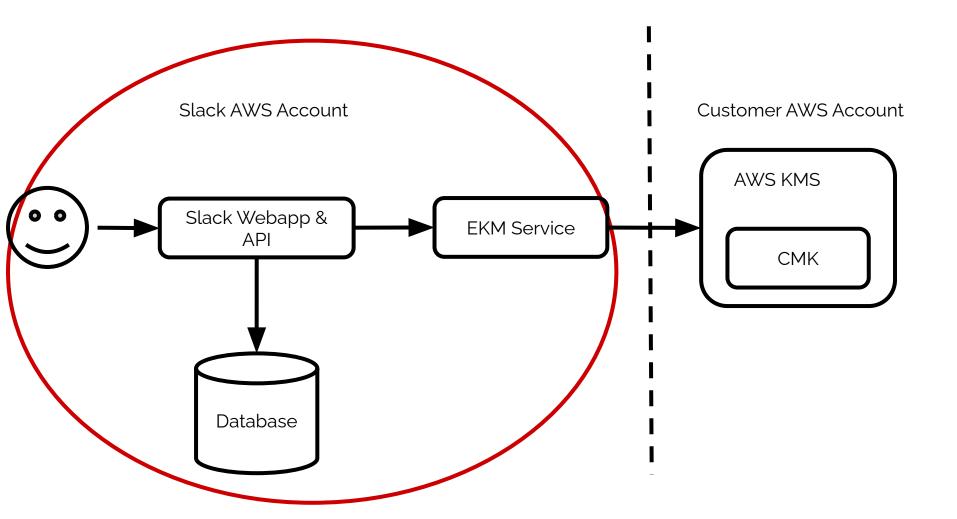
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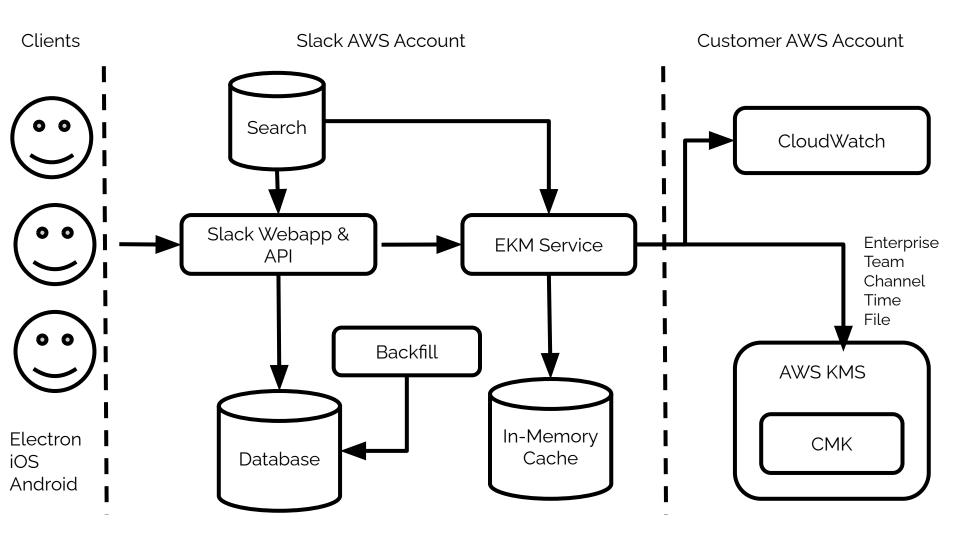
- → Start to explore the corners of the problem
- → Reduce unknown unknowns

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Especially when you're changing how the product of your company fundamentally works

- → Start to explore the corners of the problem
- → Reduce unknown unknowns
- → Improve estimations







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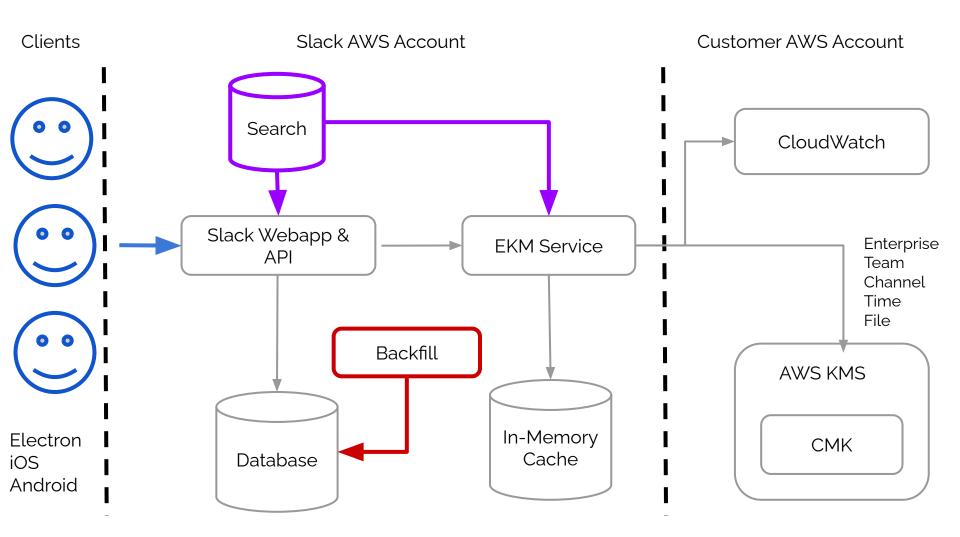
→ Help grow other engineers

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- Improve project management skills

Being selfish in the beginning can be good, but to deliver, you'll need help

- → Help grow other engineers
- → Improve project management skills
- → Focus on the tasks that need to be done by you





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→ Backstop process failures

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- → Backstop process failures
- → Ease of use helps with adoption

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- → Backstop process failures
- → Ease of use helps with adoption
- → Help ensure correctness

What if the concrete implementations were generated?

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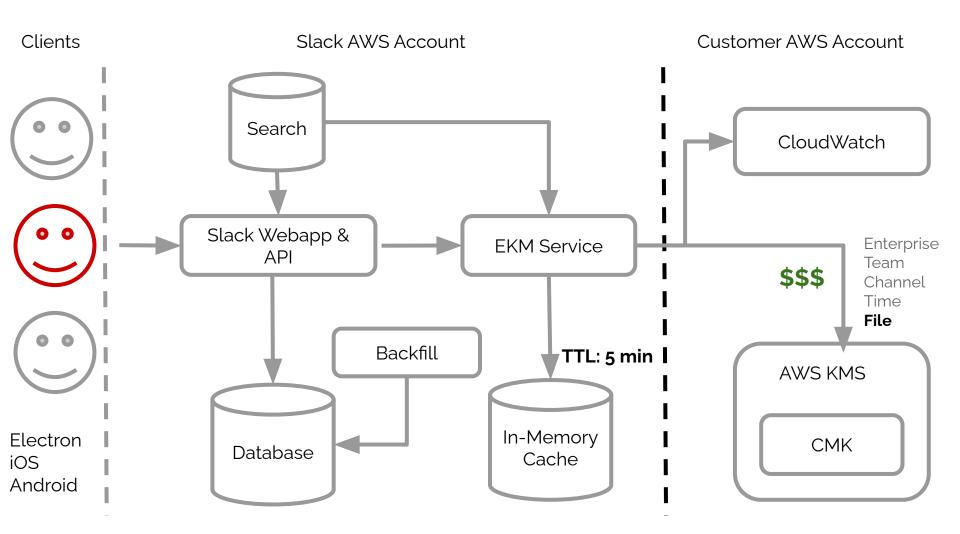
→ Might miss customer use cases

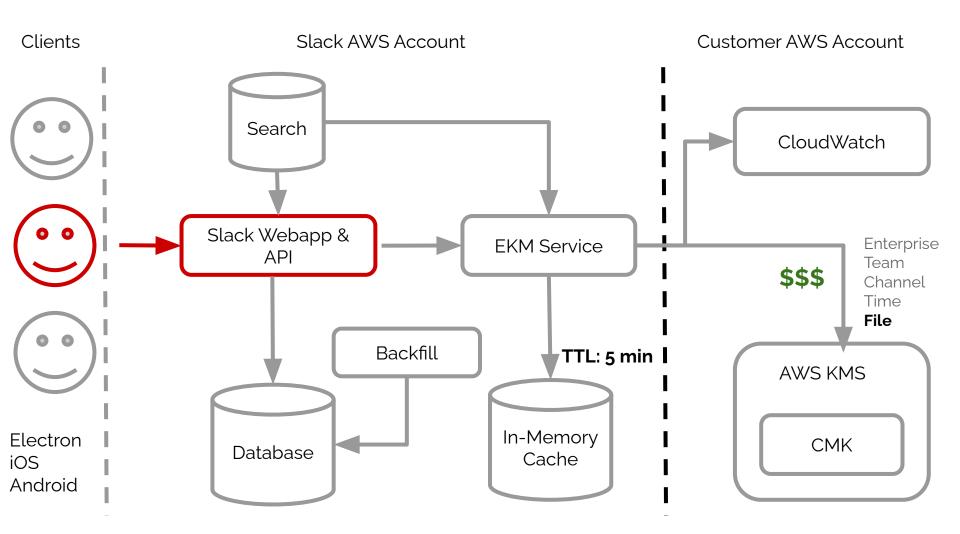
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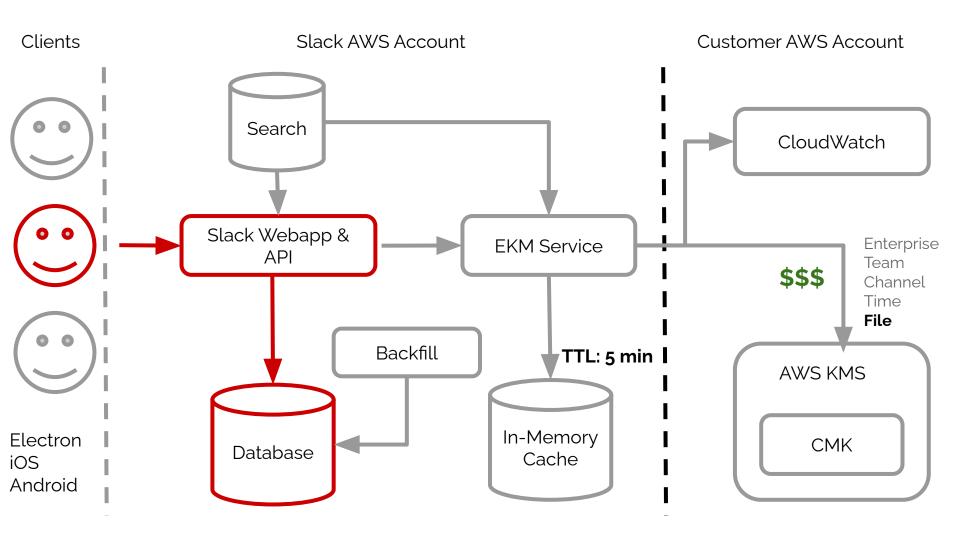
- → Might miss customer use cases
- ➔ Impact your architecture

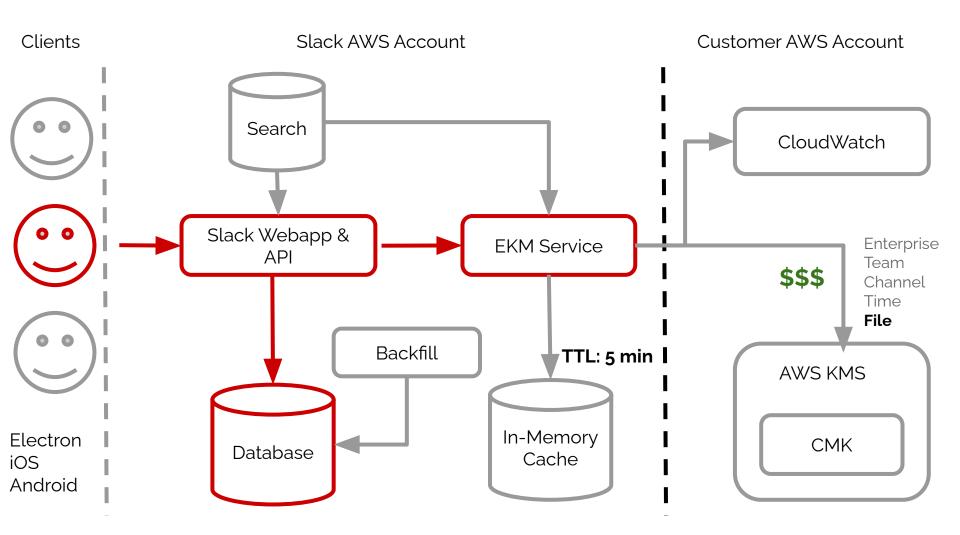
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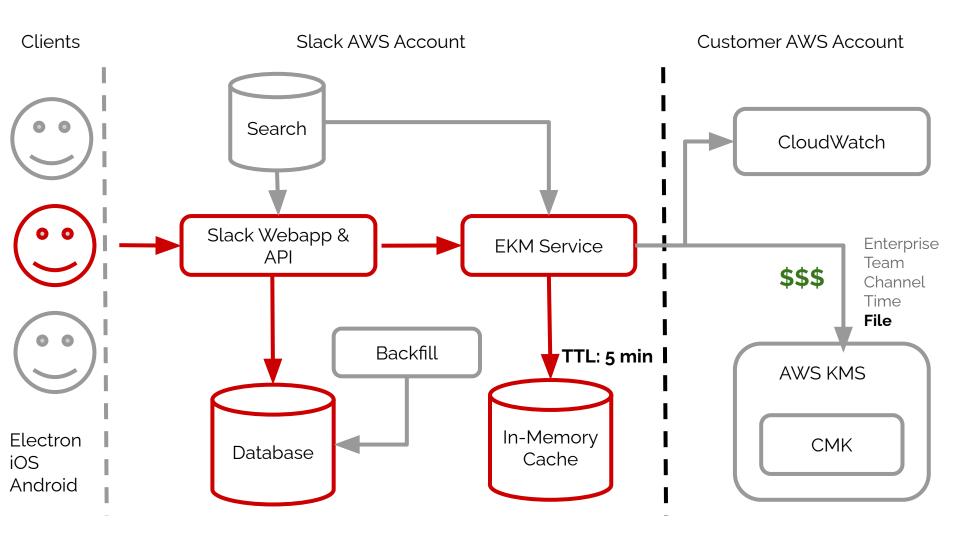
- → Might miss customer use cases
- → Impact your architecture
- → Increased costs

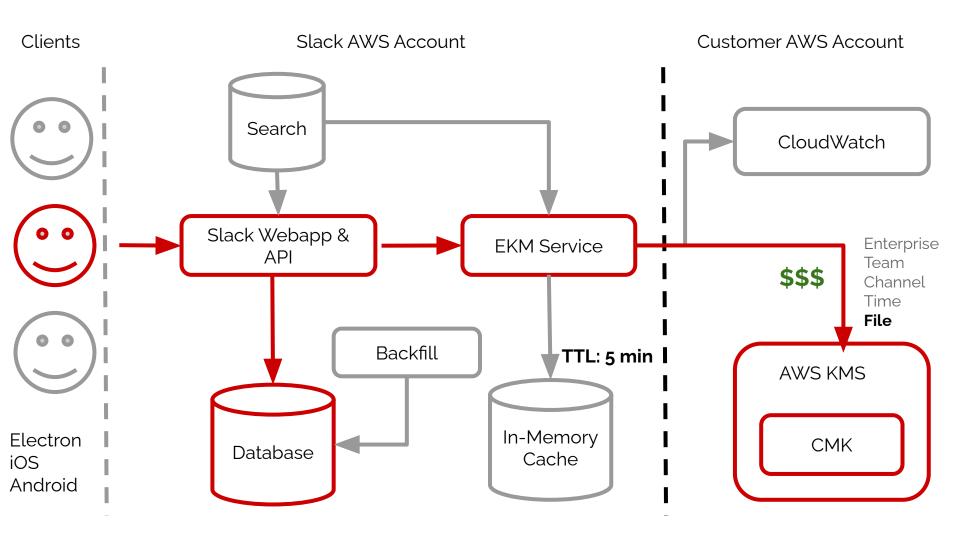












5. Know your audience

Your audience will vary and so will their interest

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→ Understand who is in the room

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Your audience interests will vary and so will their interest

- → Understand who is in the room
- → Share the right information based on the audience





Slack EKM: Senior to Staff Lessons

- → Prototyping is your friend
- → Share your legos
- → Automate repeated tasks
- → Don't over engineer
- → Know your audience