Learning consistently with Bytesize Architecture Sessions

GSAS - Barcelona 2023

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Thanks to GSAS sponsors

About Andrea

- Broadcasting media
- Finance
- Video Games

A programmer specialising in functional programming and software architecture.

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Agenda

- Why learning and sharing knowledge is hard
- How we do learn and share?
- Bytesize Architecture sessions
  - Overview
  - Industry example: first session
  - Industry example: Inter team collaboration
- Questions

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You ship what is in your programmers brains

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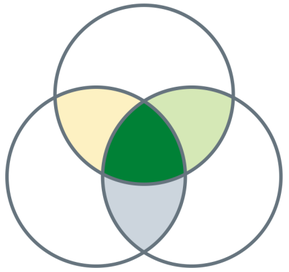
Added difficulty

- Changing teams
- Coordination between teams
- Conflicting long term plans
- Role depend information variance



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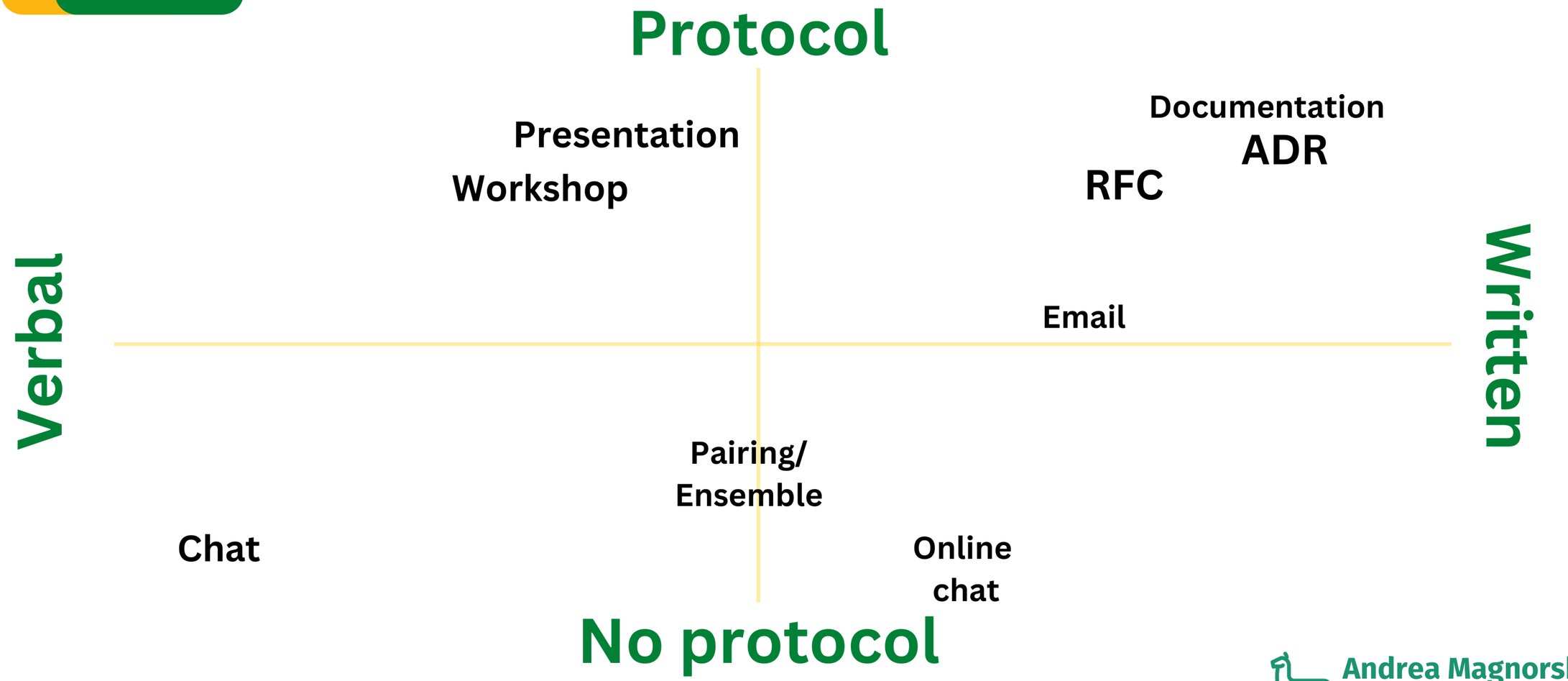
Knowledge sharing methods



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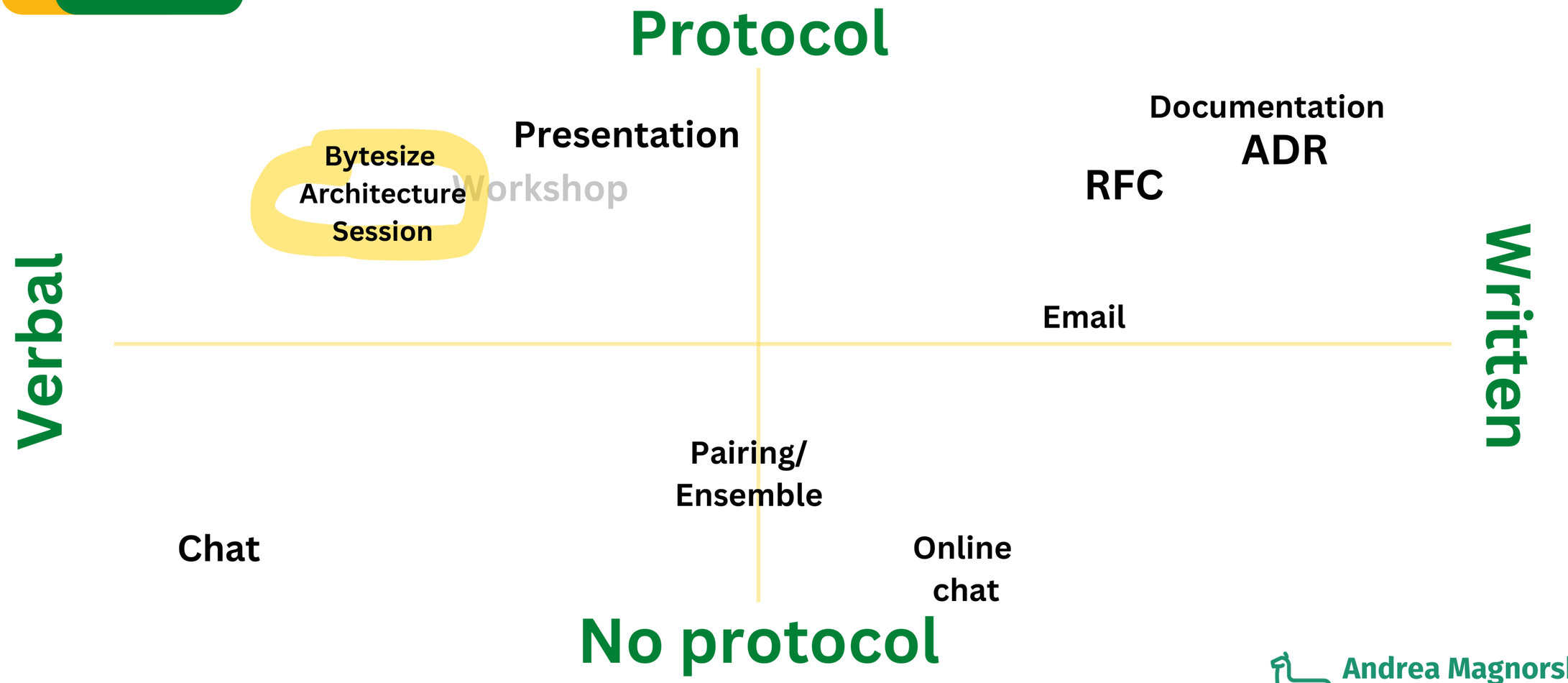
Knowledge sharing methods



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Bytesize Architecture Sessions[T] is a workshop format

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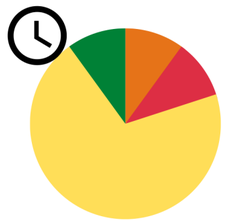
Format

Session prep

Session



1.Session Goal

2.Alone Together

3. Consensus

4.Summary

After a week or two

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In their words

The main thing I took from today is that everyone brought their own perspective and that enabled us **all** to learn something

Jim Taylor
Senior Product Manager
ITV

Why do this?

1

Toward homogeneous system view

2

Enabling format

3

Creates design tools

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Industry example: the first Bytesize Architecture Session

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Before the session

1. Invited the team. Active participants of the stand up
2. Taught the team about C4 Model

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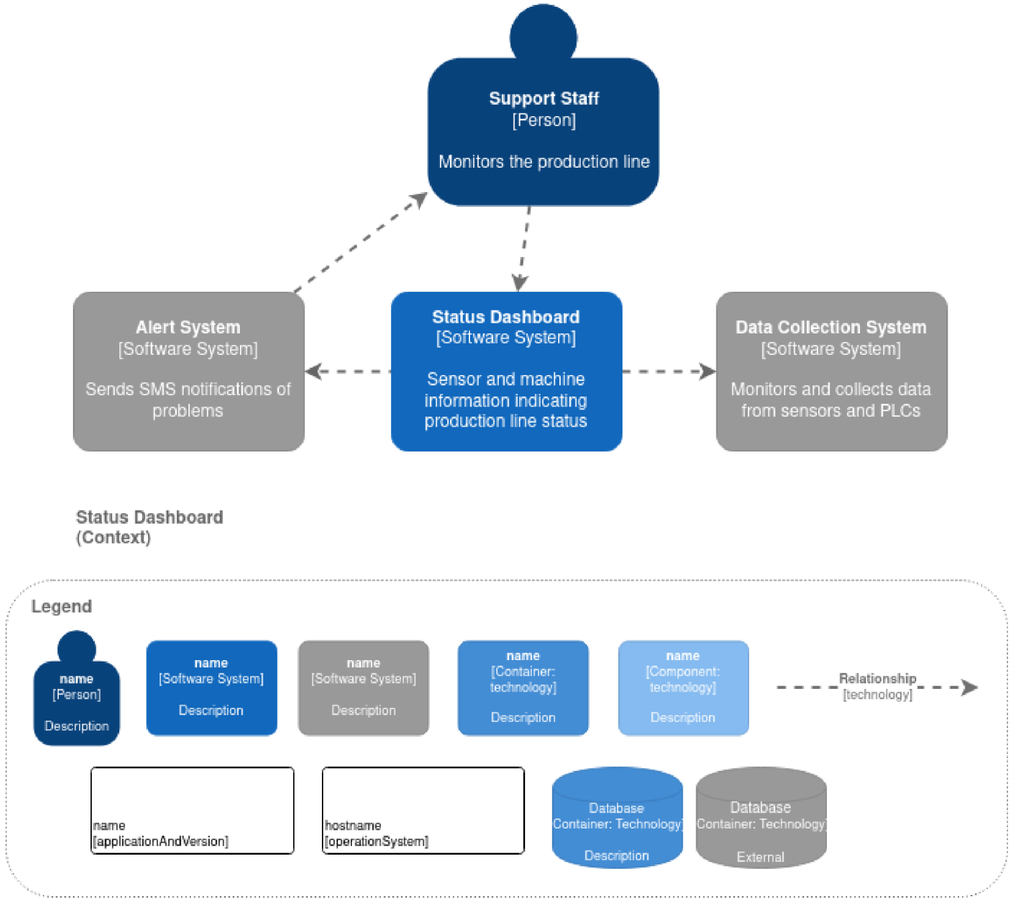
Before the session: Teach C4 Model



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Session starts

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1. Goal

Set the goal:
Create a context diagram of the system as it is.

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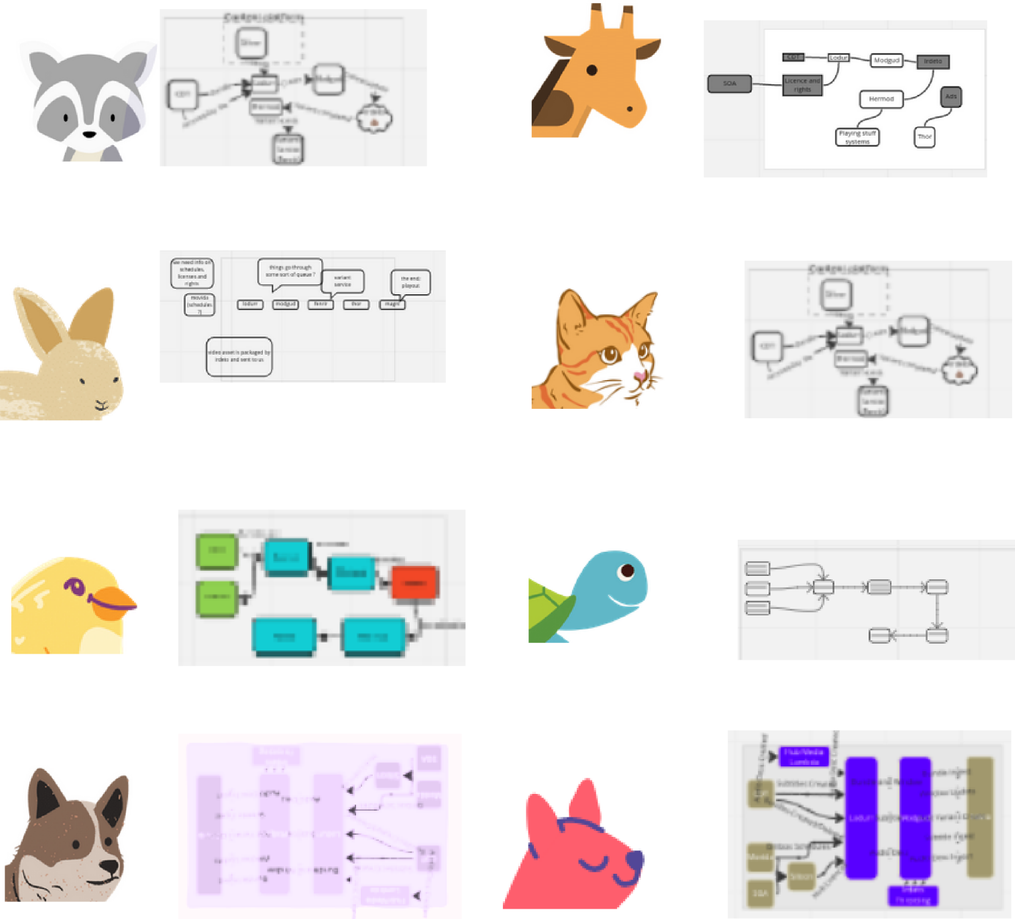
2. Alone Together



When the timer for 3 minutes elapsed each attendee explained their model.

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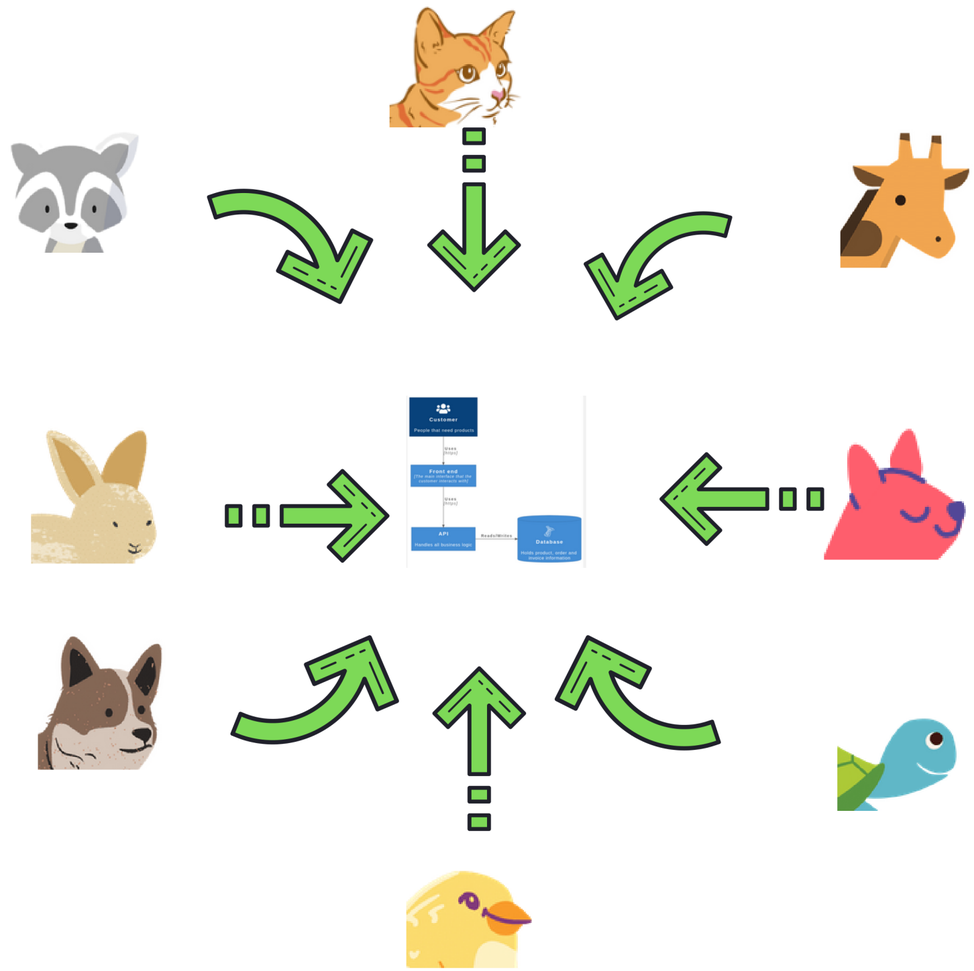
3. Consensus

The team was able to draw some of the system. As they were getting close to "time" they stopped.



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4. Summary

The team summarised that they learned a lot and as they took a minute for feedback they were very happy with the format.

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Detail

bytesizeArchitectureSessions.com

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Industry example:
Inter team collaboration

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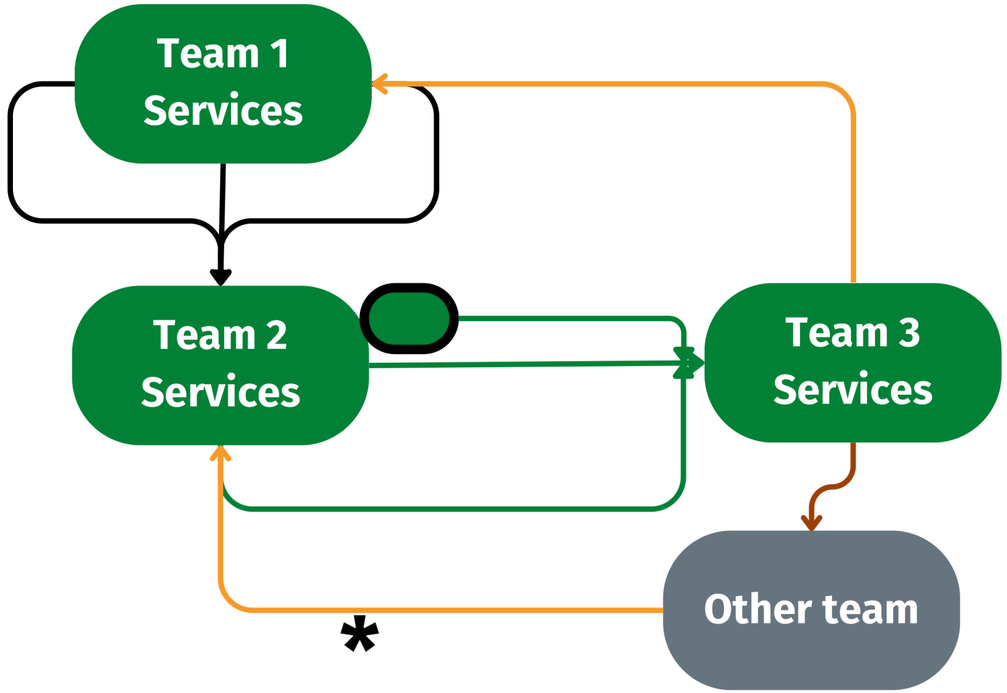
1st Bytesize Architecture Session: Current state

- Start with current state
- Key learnings around myth busting



*Not all information Team 2 needed

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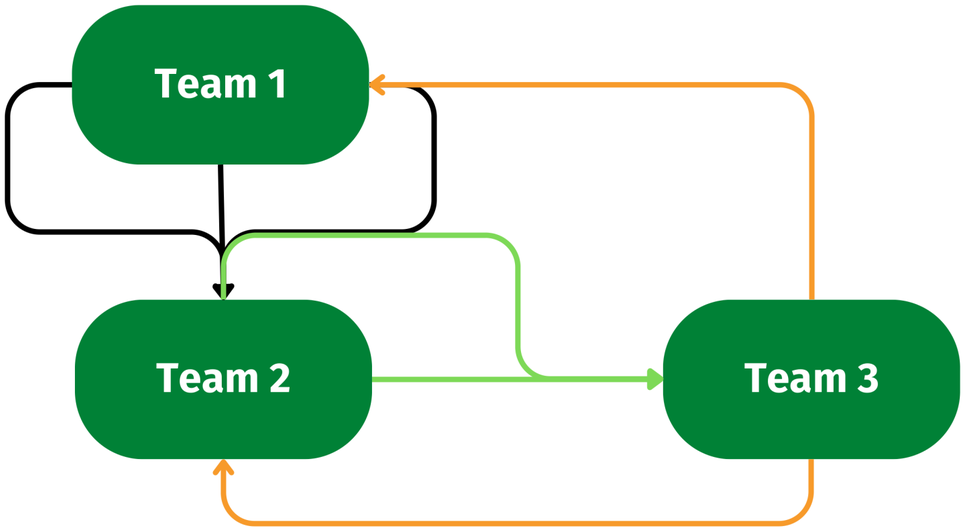
2nd Bytesize Architecture Session: Ideal solution



- Find ideal solution
- Real ideal too far from current. Compromise
- Still happy with outcome, we all understand it

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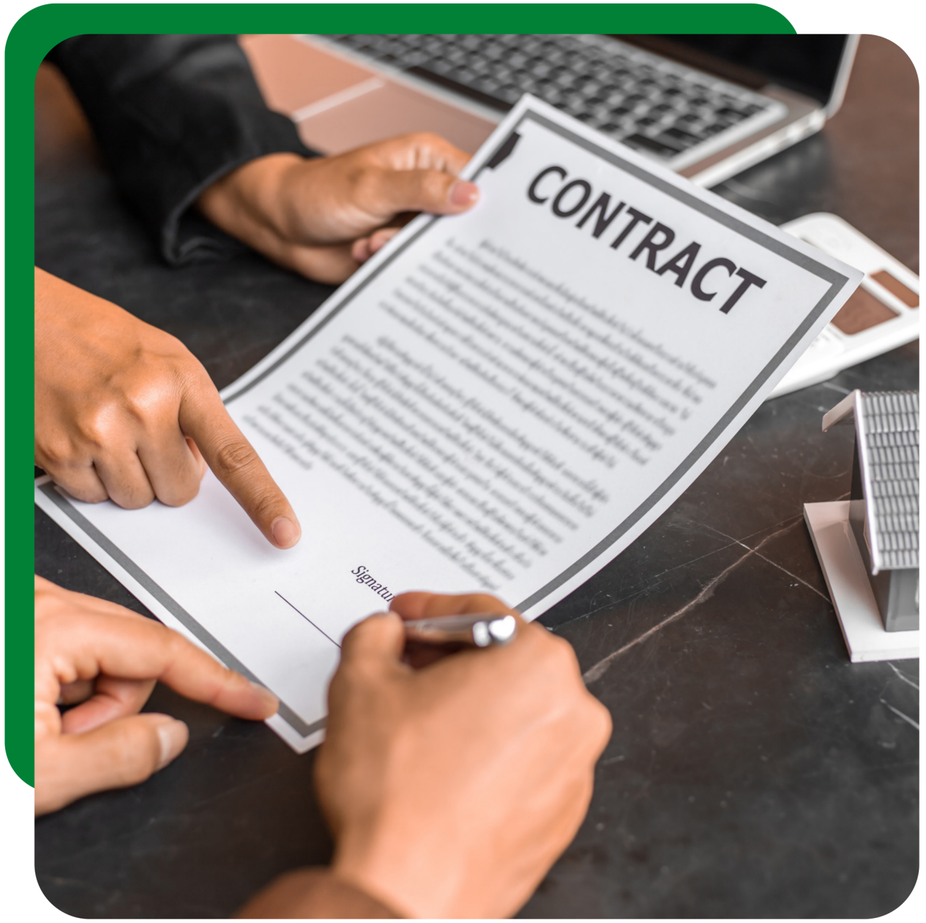
Offline: Firm up the new contracts



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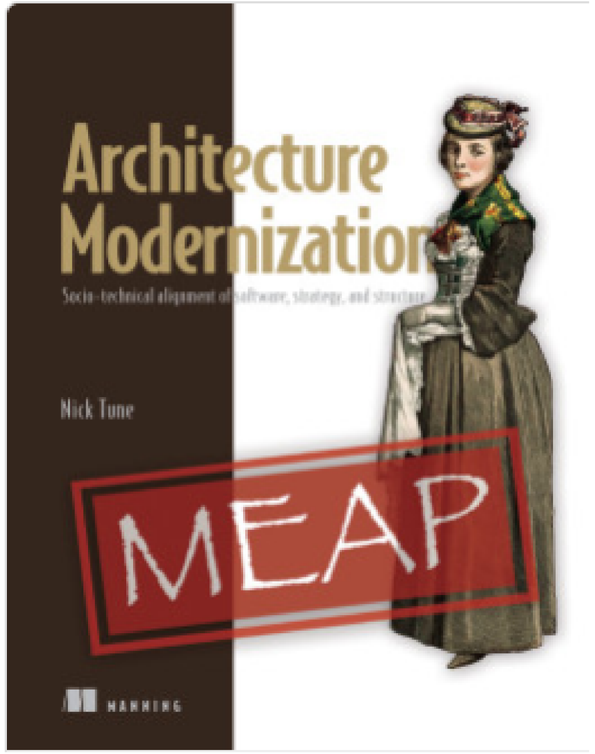
Industry example: Inter-team collaboration

- Cohesive understanding
- Well documented

- More in Chapter 17 ...



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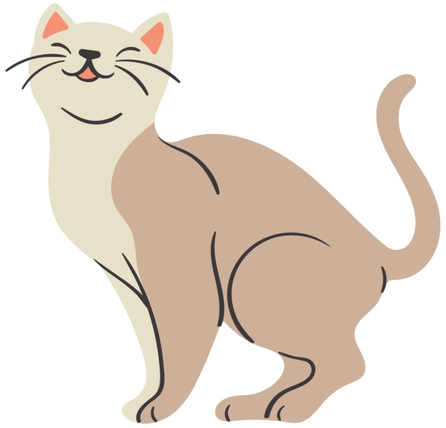

Foundational pieces

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A system is not the sum of it's parts, it's their interactions

Russ Ackoff

Source: youtube.com/watch?v=OqEeIG8aPPk

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Conclusion

- Knowledge sharing is essential to building systems.
- Use a diverse set of tools to enable effective and efficient knowledge sharing.
- Try Bytesize Architecture Sessions!

bytesizeArchitectureSessions.com

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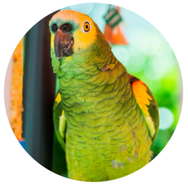
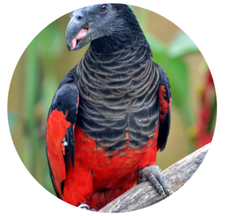

Thank You!

Questions?

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