



Thinking about Systems with Bytesize Architecture Sessions



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About Andrea



- Broadcasting media
- Finance
- Video Games

A programmer specialising in functional programming and software architecture.



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Agenda



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





You ship what is in your programmers brains

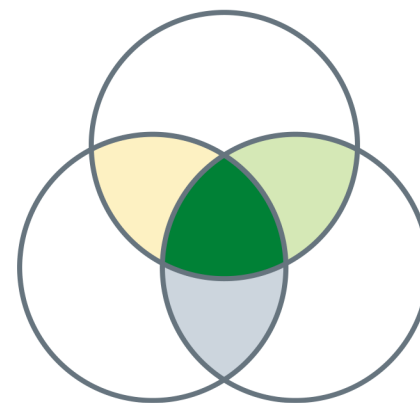


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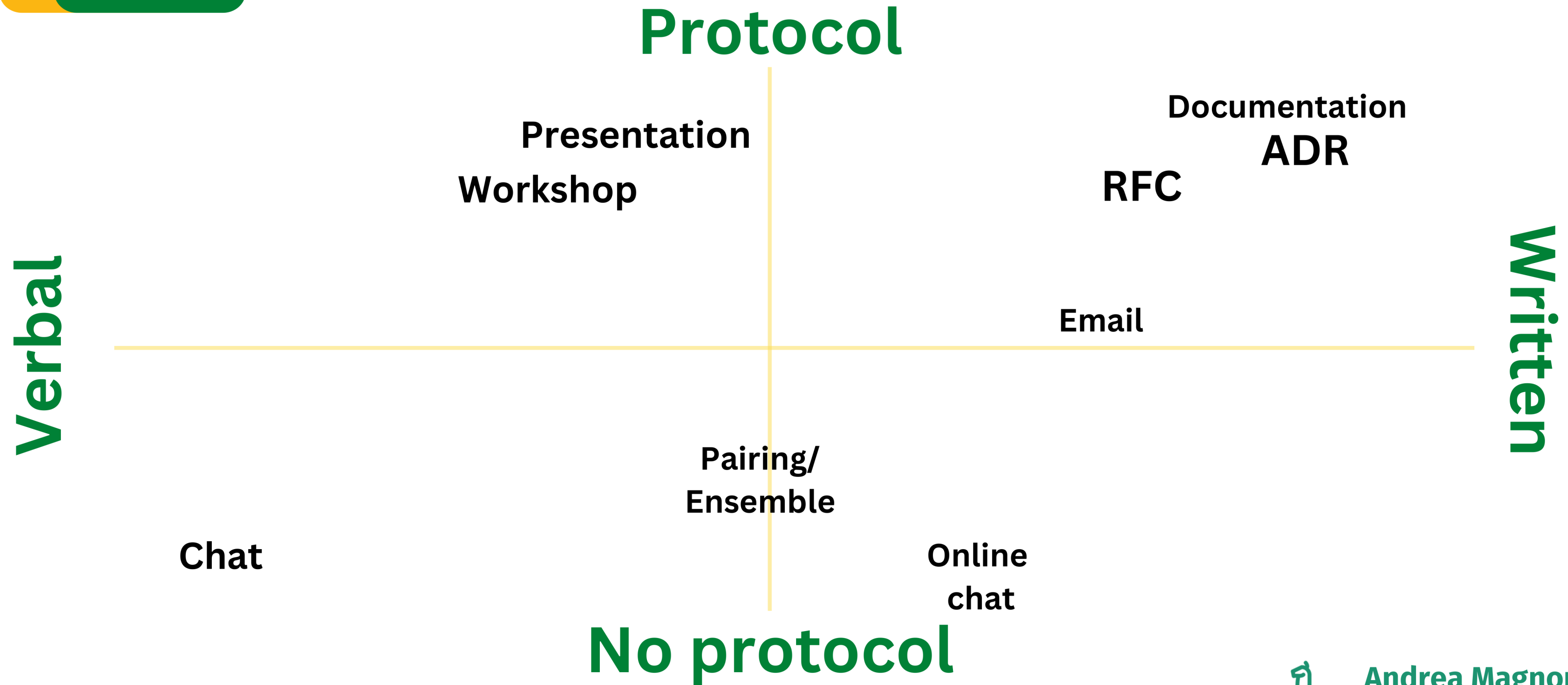
Added difficulty



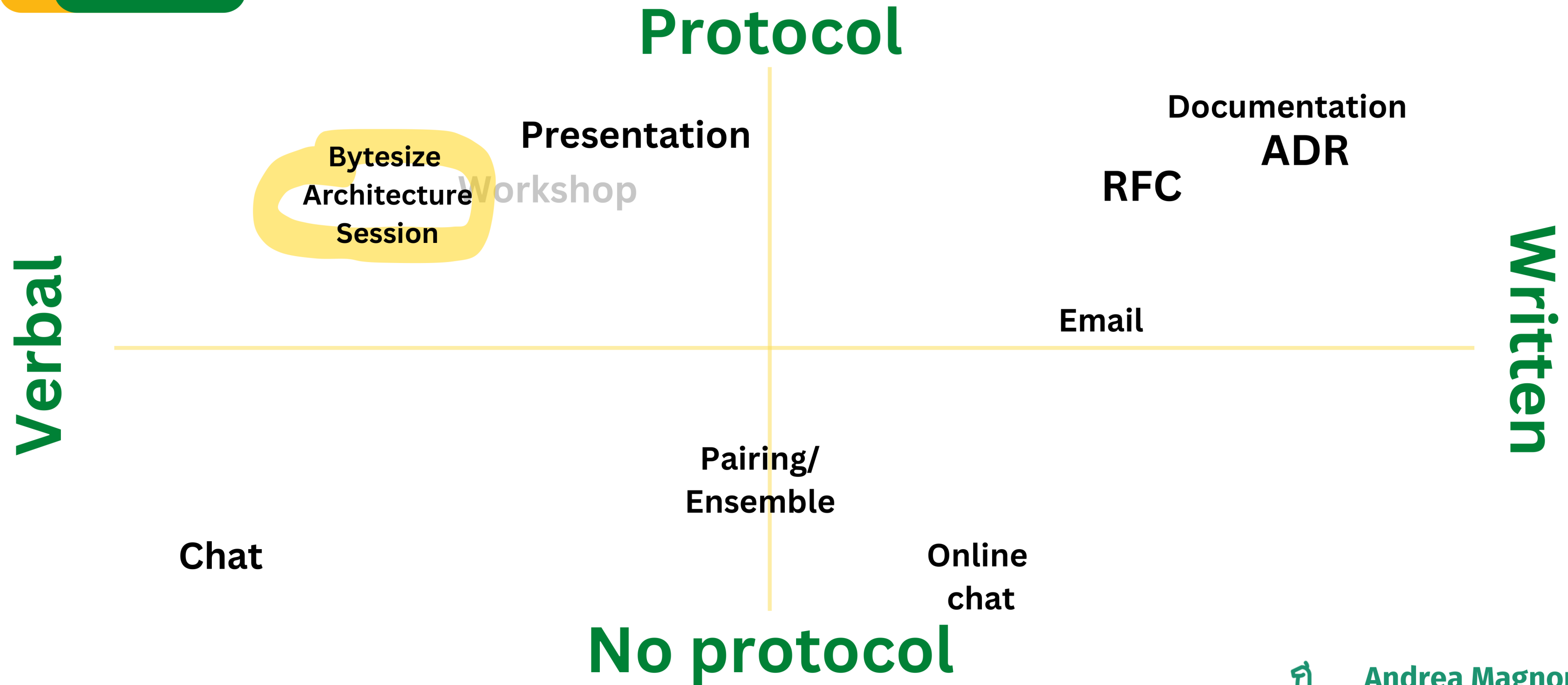
- Changing teams
- Coordination between teams
- Conflicting long term plans
- Role depend information variance



Knowledge sharing methods



Knowledge sharing methods

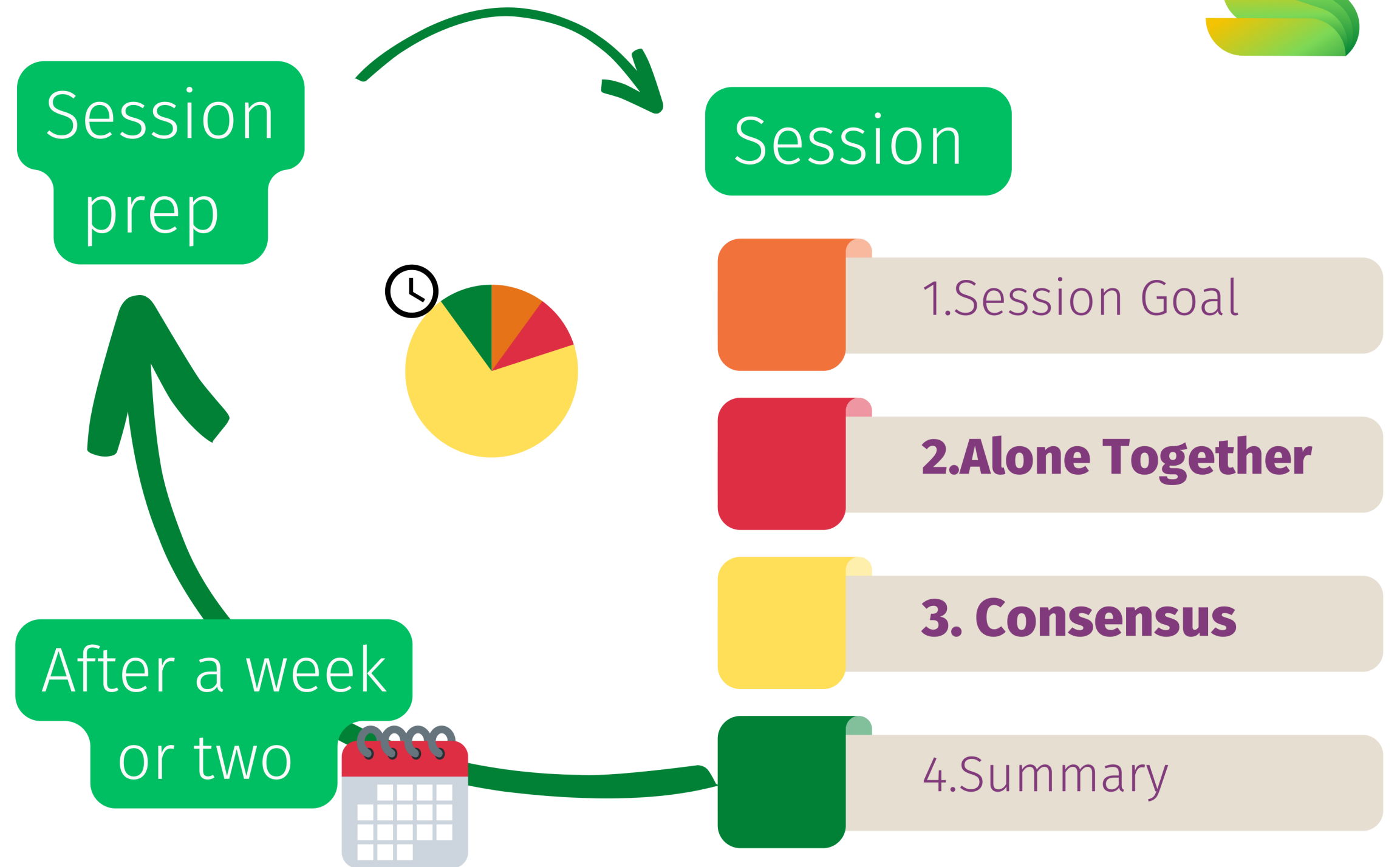




Bytesize Architecture Sessions[T] is a workshop format



Format



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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Build an architecture practice in a **safe** way



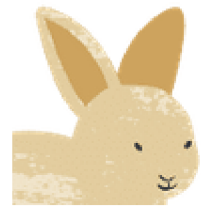
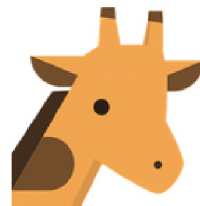


Industry example: the first Bytesize Architecture Session



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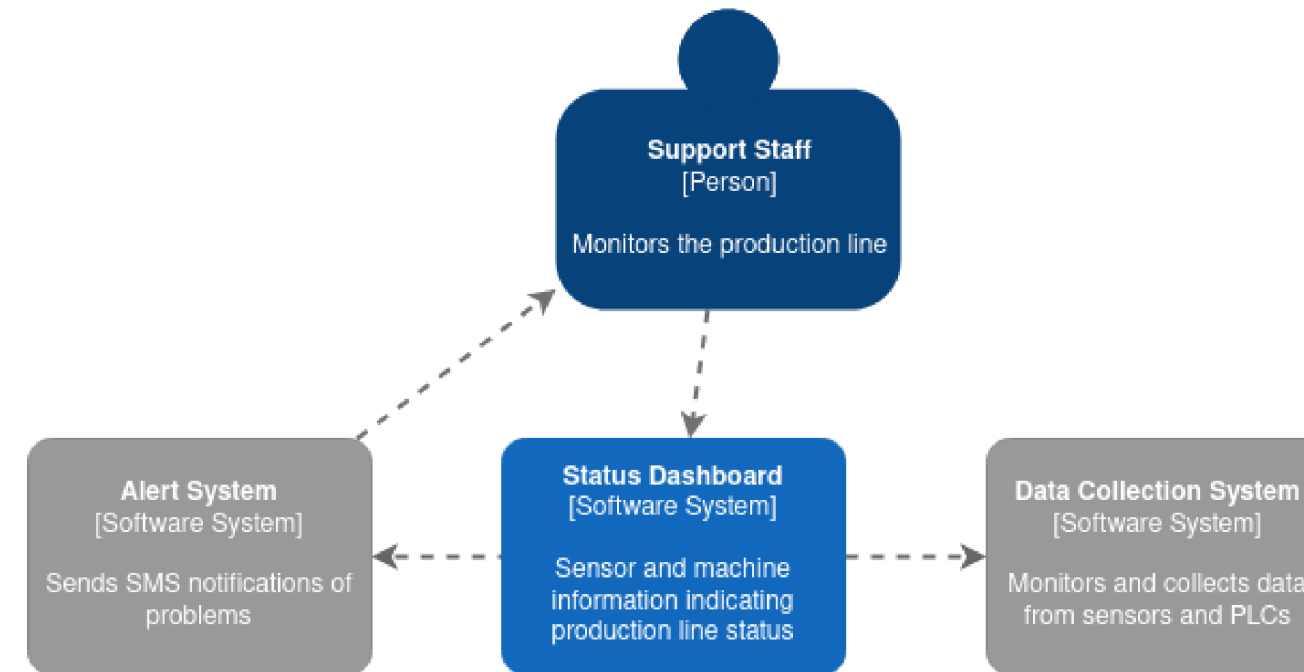
Before the session



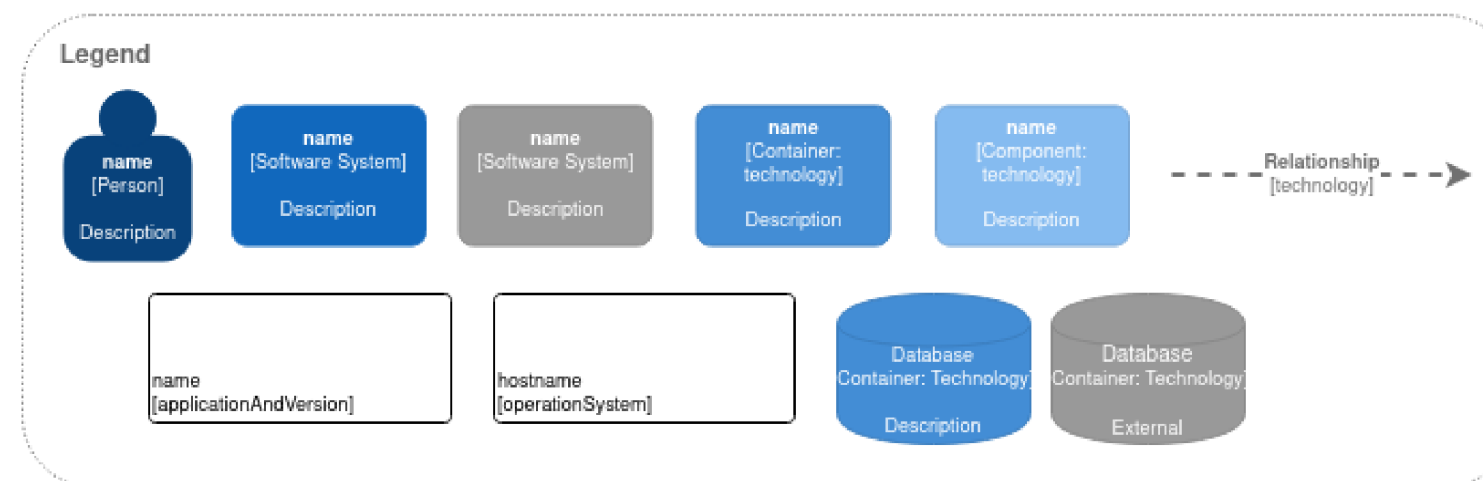
- 1. Invited the team. Active participants of the stand up**
- 2. Taught the team about C4 Model**



Before the session: Teach C4 Model



Status Dashboard
(Context)



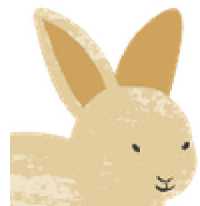
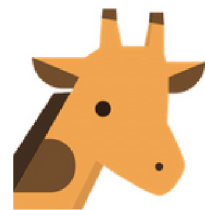


Session starts



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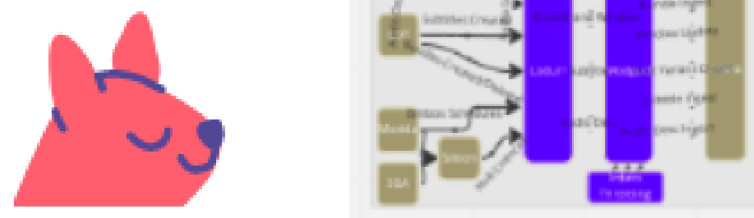
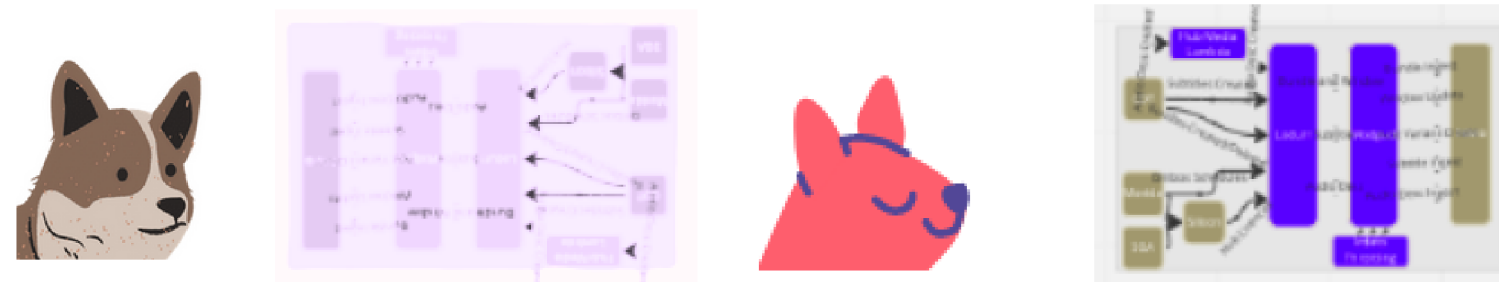
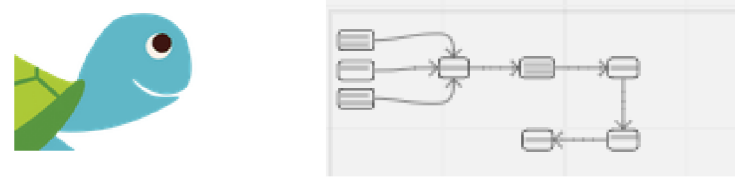
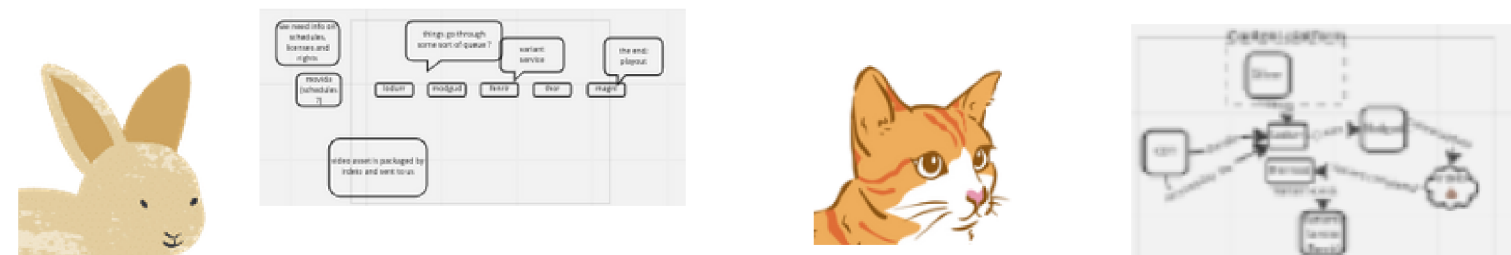
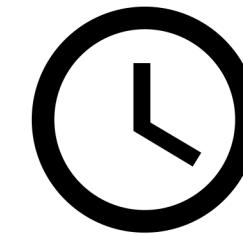
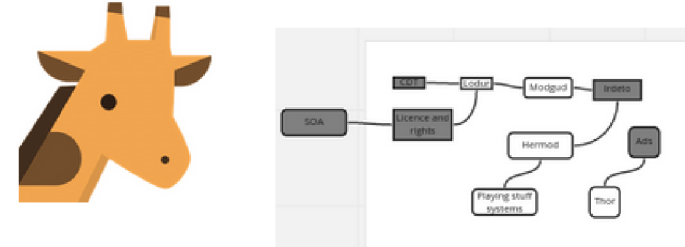
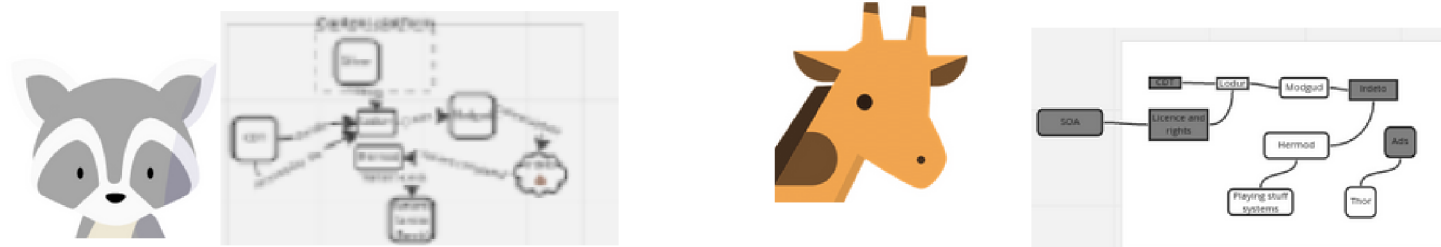
1. Goal



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



2. Alone Together

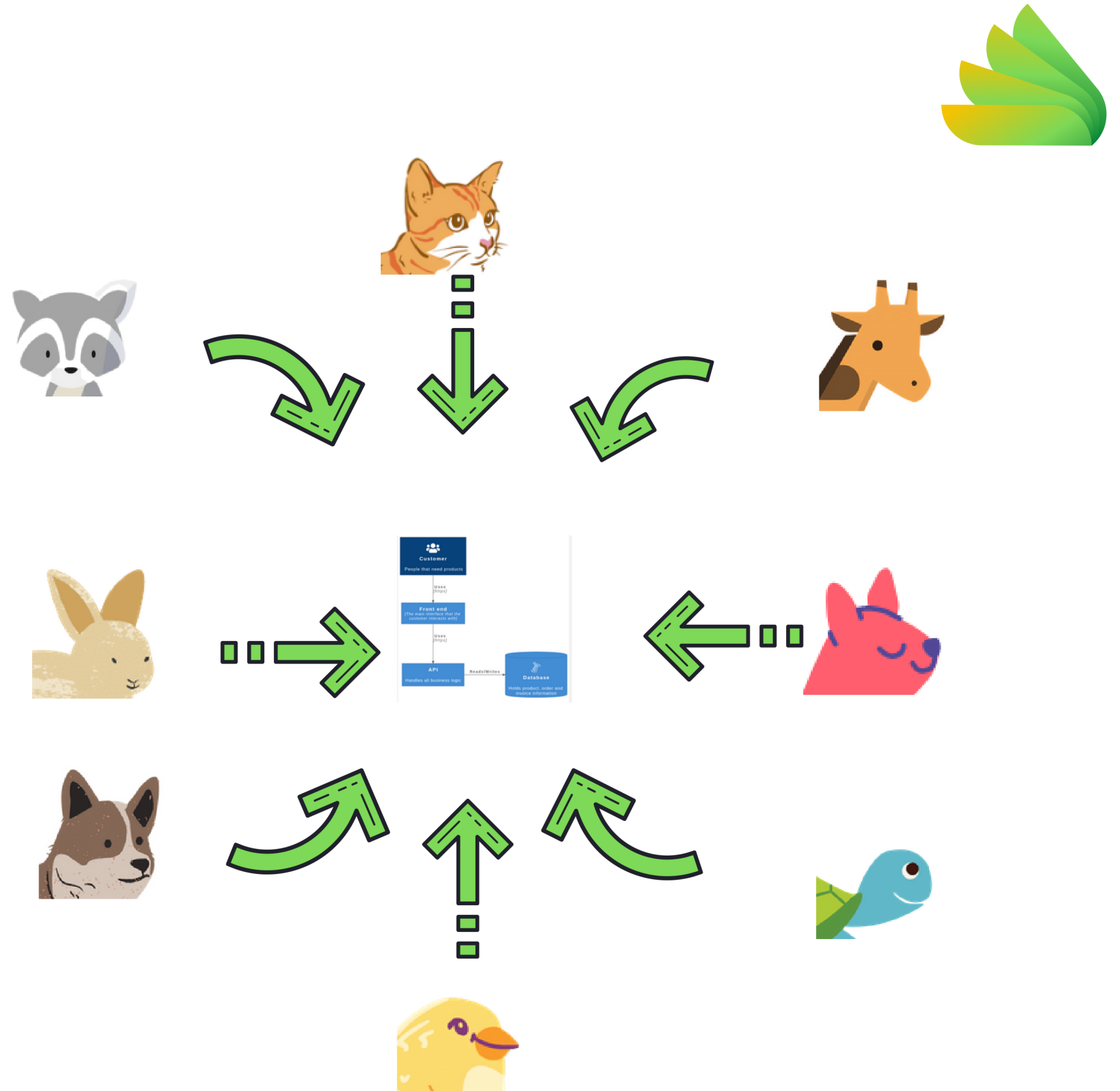


When the timer for 3 minutes elapsed each attendee explained their model.

3. Consensus



The team drew part
of the system.
End session before
time.



4. Summary



The team summarised that:

- They learned a lot
- they were very happy with the format and,
- They wanted to do it again soon.



Detail



bytesizeArchitectureSessions.com



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Industry example: Inter team collaboration

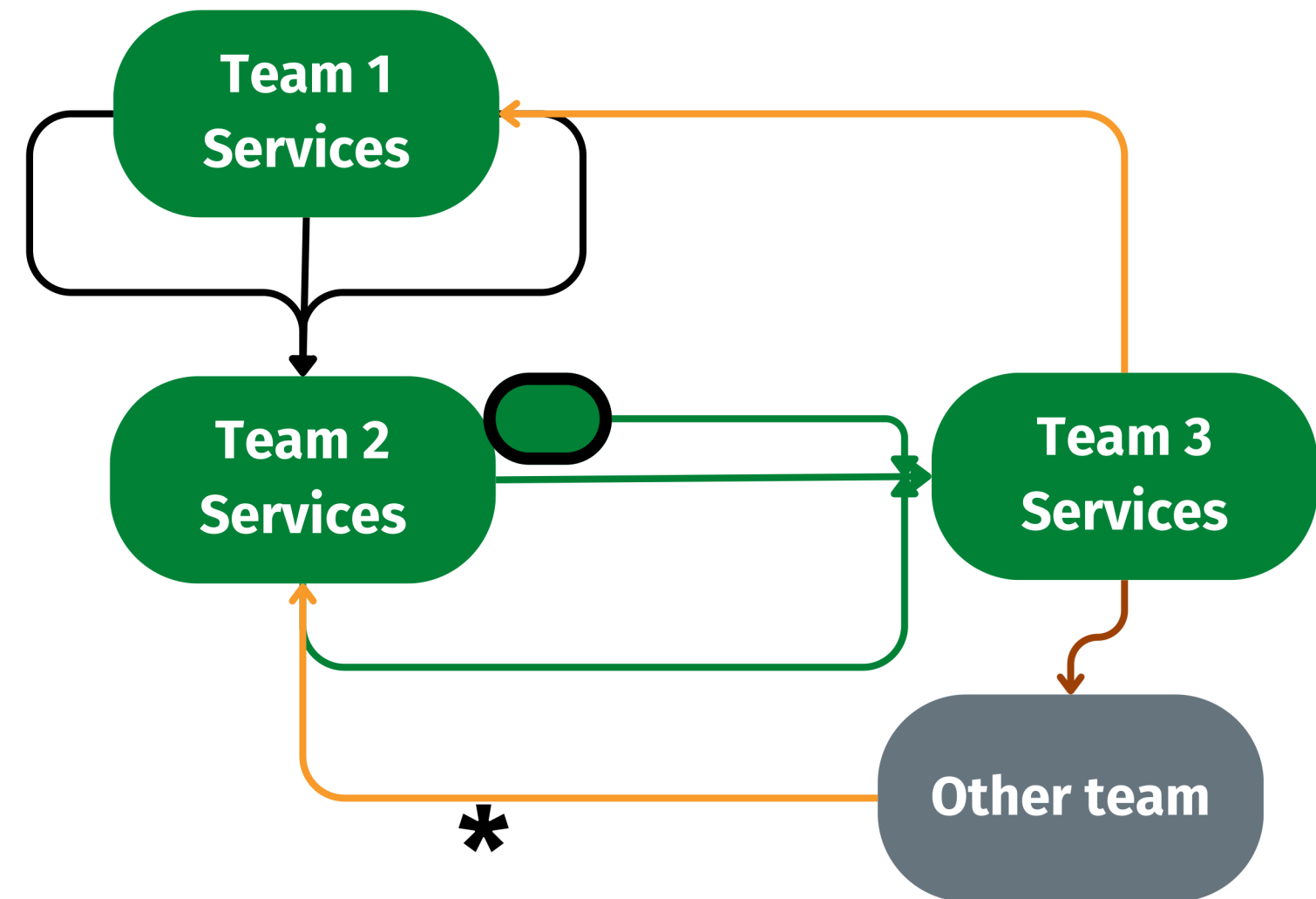


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1st Bytesize Architecture Session: Current state



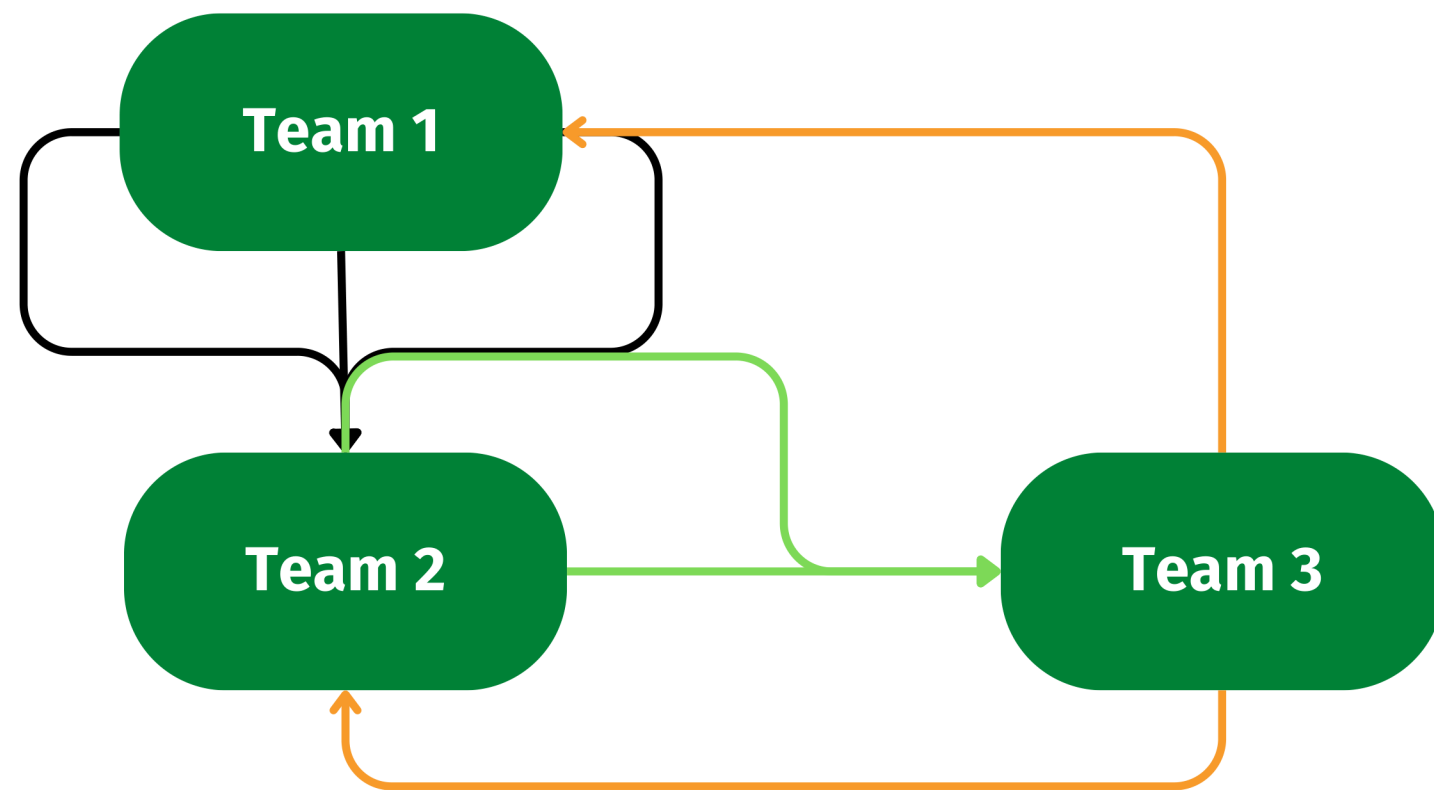
- Start with current state
- Key learnings around myth busting



*Not all information Team 2 needed



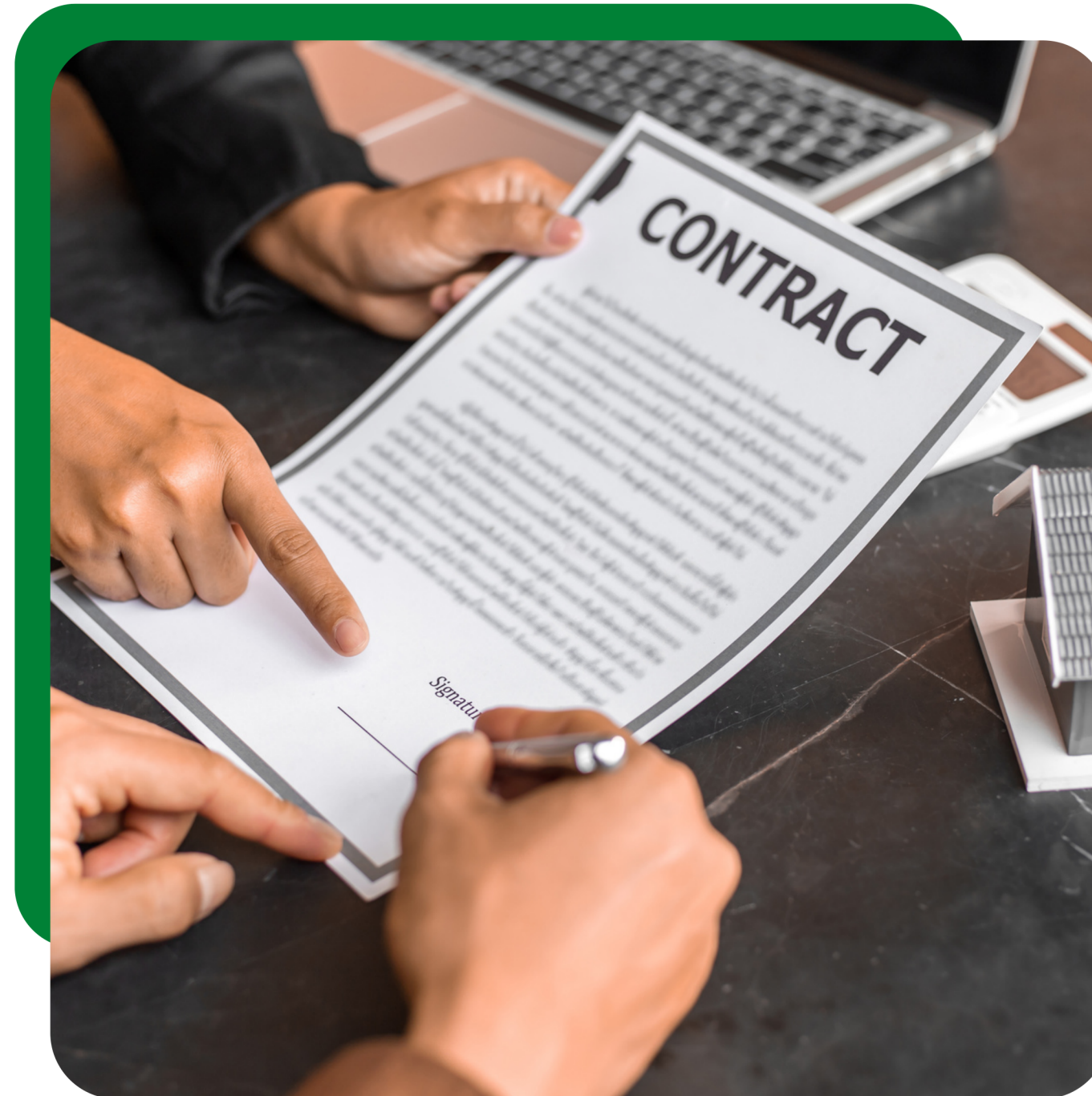
2nd Bytesize Architecture Session: Ideal solution



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



Offline: Firm up the new contracts



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Industry example: Inter-team collaboration



- Cohesive understanding
- Well documented
- More in Chapter 17 ...





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=OqEelG8aPPk



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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!



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Thank You!



Questions?



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