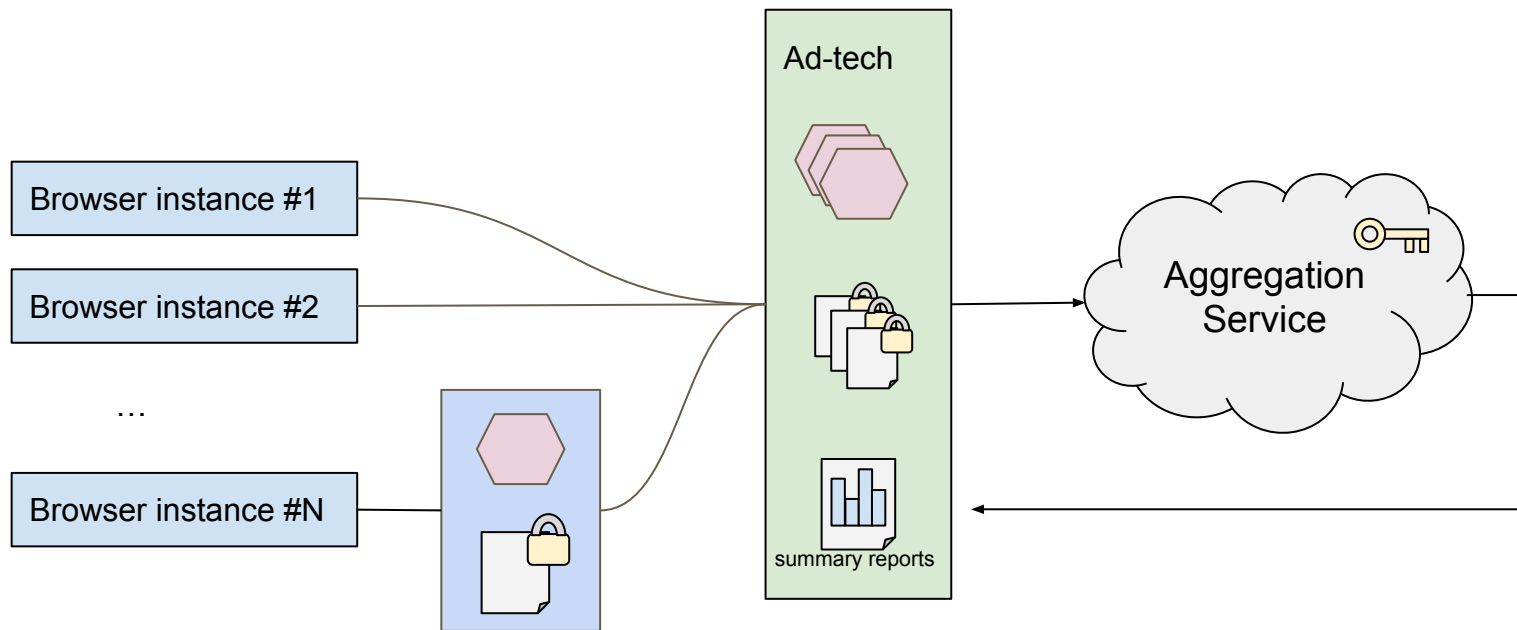

Attribution Reporting

Design space trade-offs and considerations

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Overview: Attribution Reporting API

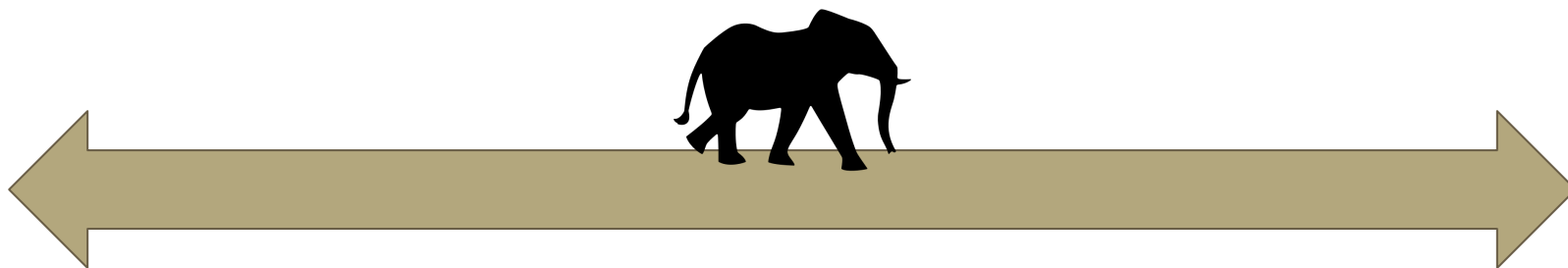


= encrypted, aggregatable reports = “histogram contribution”



= event-level report = {unique ad ID, coarse conversion ID}

Privacy vs. Utility



More private, less useful

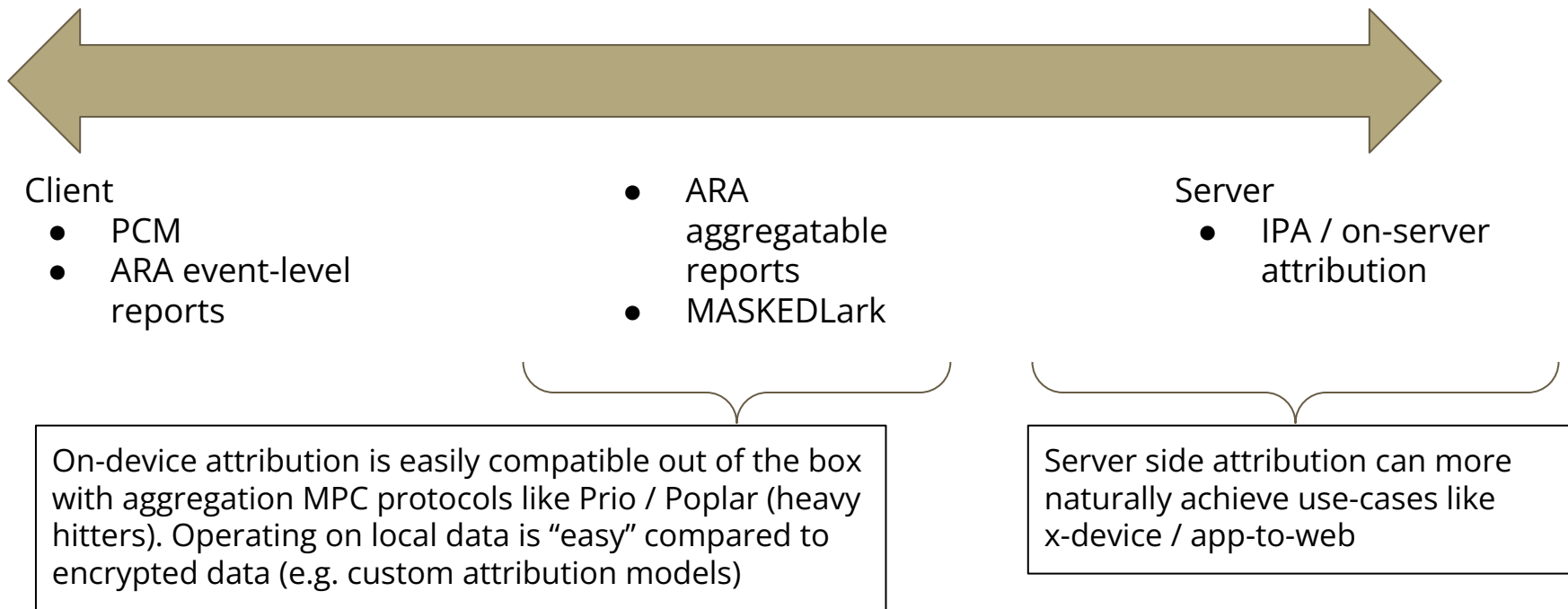
- Delayed
- Coarse
- Noisy

More useful, less private

- Timely
- Fine-grained
- Accurate

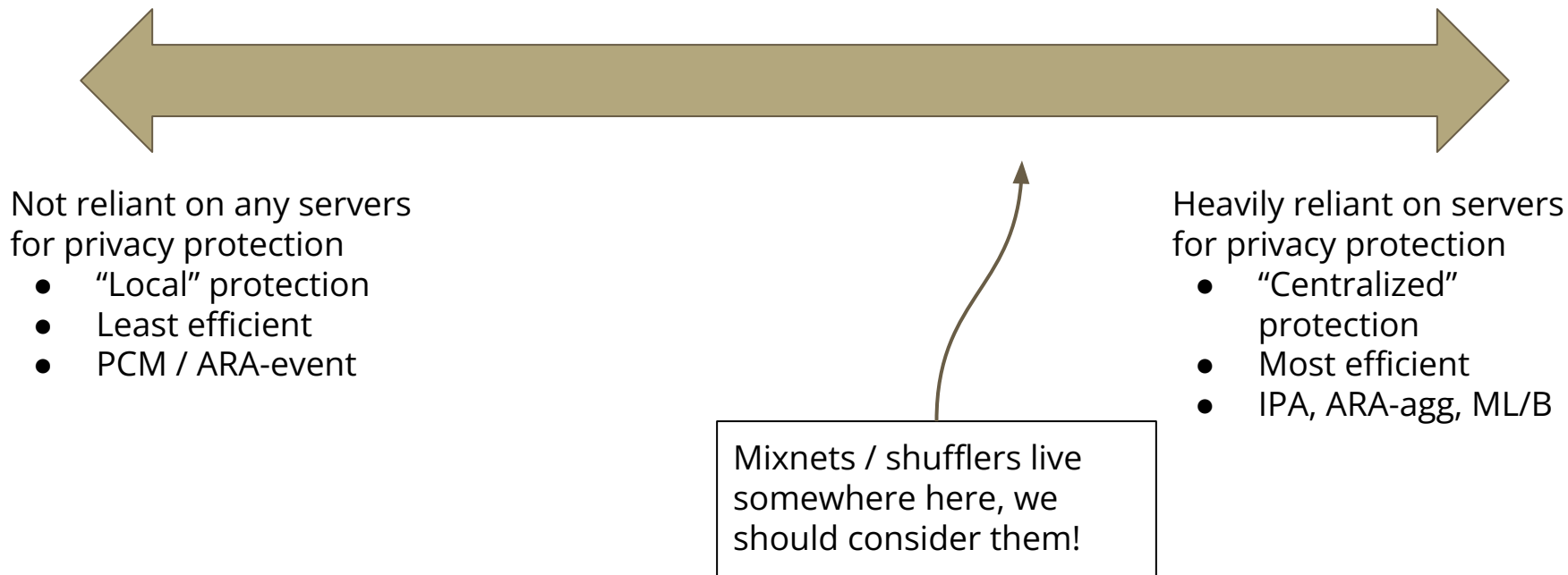
May be difficult to achieve group alignment out of the gate. Solutions should be flexible and provide a framework for experimenting within the privacy / utility frontier.

Where does complexity live? on-device vs. in servers

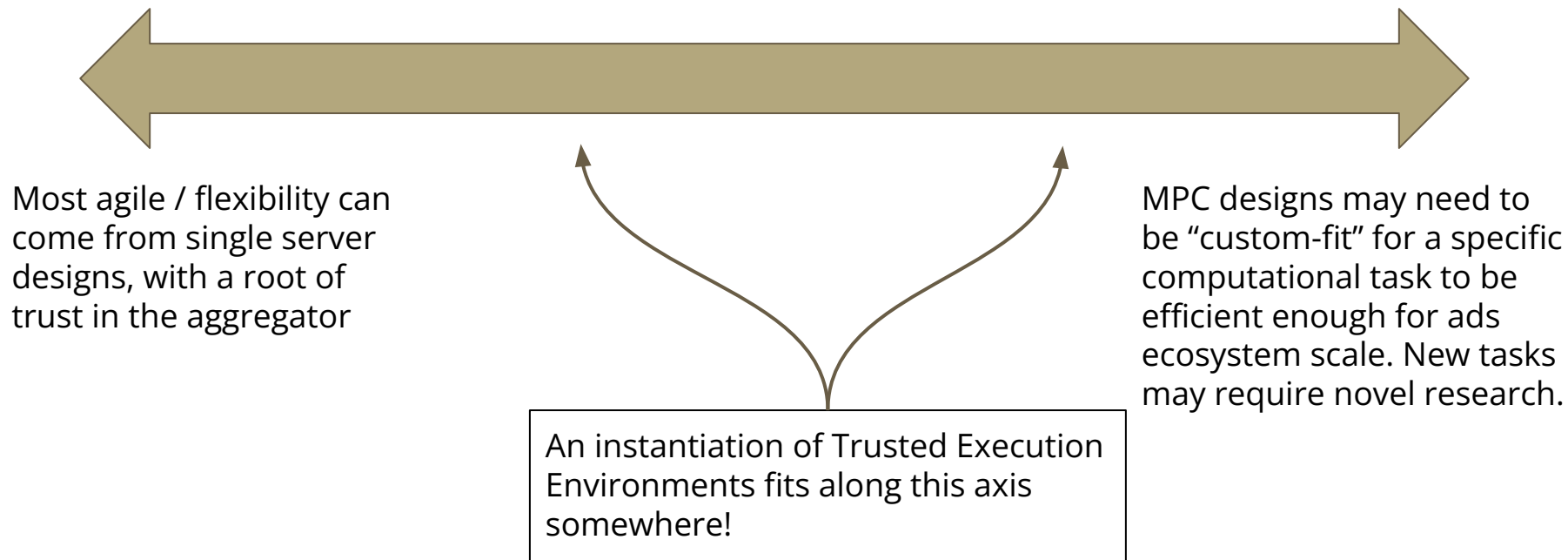


Server-reliance and Privacy Efficiency

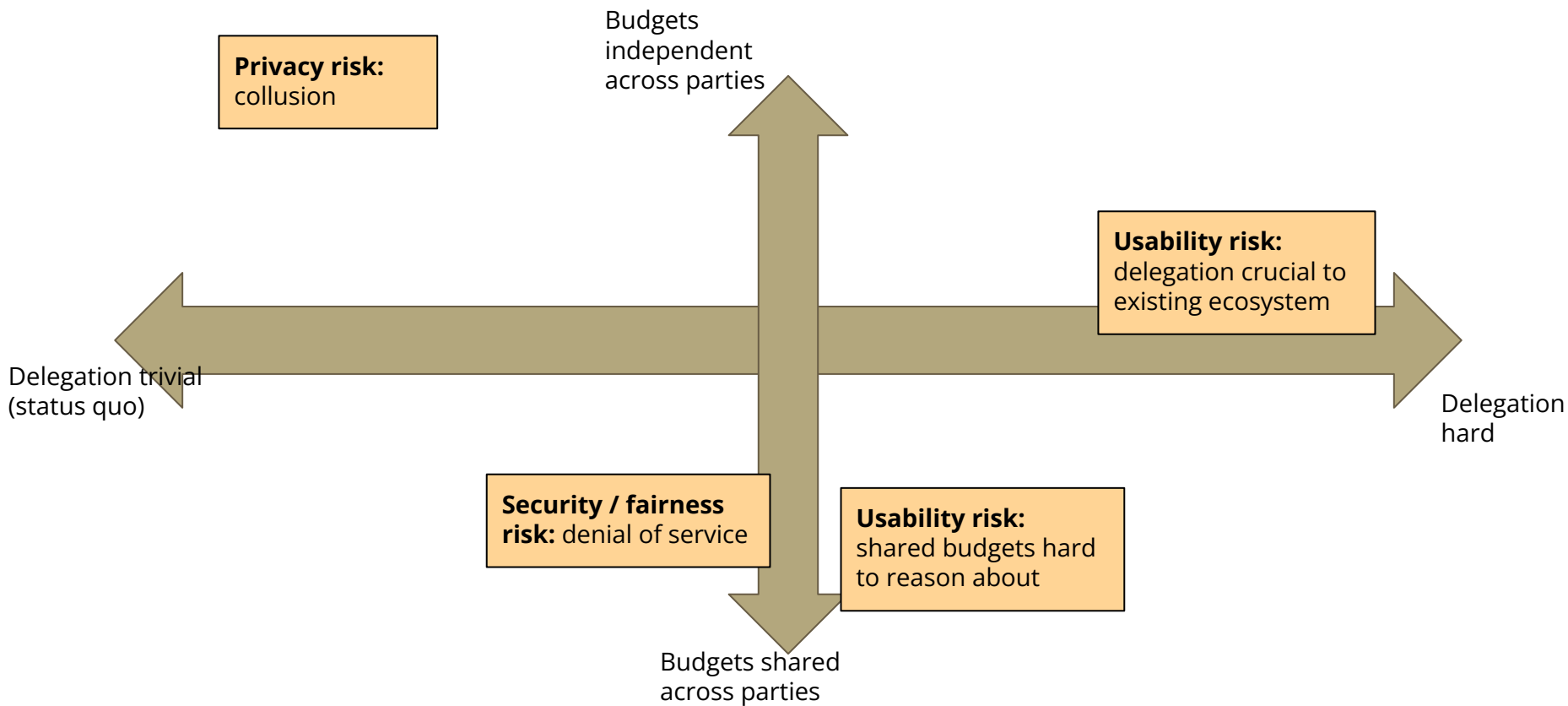
aka “Aggregation works”. Privacy efficiency = “most utility bang for privacy buck”



API agility and trusted server architecture



Delegation & Privacy budgeting



That's all for now