

Public and Private Blockchains

same idea, inverted context

Decentralized 2017

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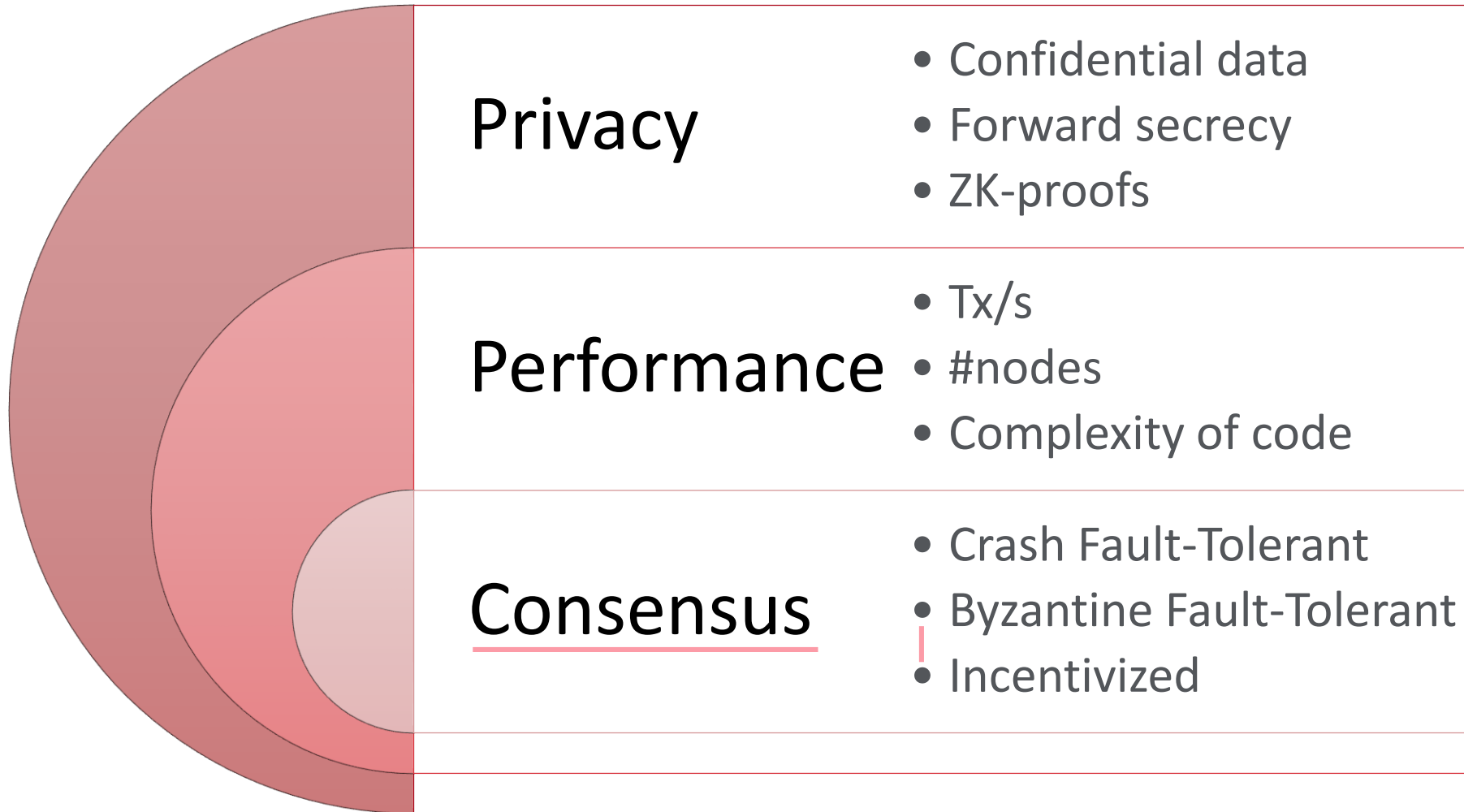
Public & Private Blockchains

- ▼ Competitors or complementors?
- ▼ Original premise of blockchain: *P2P* currency – data – logic; *open, uniform access*.
- ▼ Not everything can be public, even more so when transactions are generalized into smart contracts.
- ▼ Now & Future.

A Matter of Control



Technological Divergence



Consensus Boom

1	1	1	.	1	.	2	2	2	2	2	2	2	2	2	2	2	2	2
9	9	9	.	9	.	0	0	0	0	0	0	0	0	0	0	0	0	0
8	8	9	.	9	.	0	0	0	0	0	1	1	1	1	1	1	1	1
8	9	0	.	9	.	5	6	7	8	9	0	1	2	3	4	5	6	7
VSR		Paxos		PBFT		Q/U	HQ	BFT-Smart	POW	Abstract		POS	POB	Dagger	Dagger-Hashimoto	ADAPT	2-hop blockchain	Algorand
										Aardvark			Ripple RTP	GHOST	Delegated POS	Bitcoin-NG	Honey Badger BFT	Forking-free Hybrid C.
										Zyzyva				Raft	Deposit-based POS	Ethash	Hybrid c.	Ouroboros-Praos
														RBFT	Hashimoto	SCP	POET	Practical Synch. BFT
															POA	Stellar SCP	POL	POUW
															POC	XFT	Scalable BFT	REM
															Tangaroa		Sieve	SPECTRE
															Tendermint		Tangle	Subschain POS
																		Tortoise and Hares C.

Same idea, inverted context



Image by geralt

The Great Divide – public consortium private

Business models

Digital currency

True dApps

2nd layer services

Governance

Decentralization

Coordination

Stewardship

Structural profiles

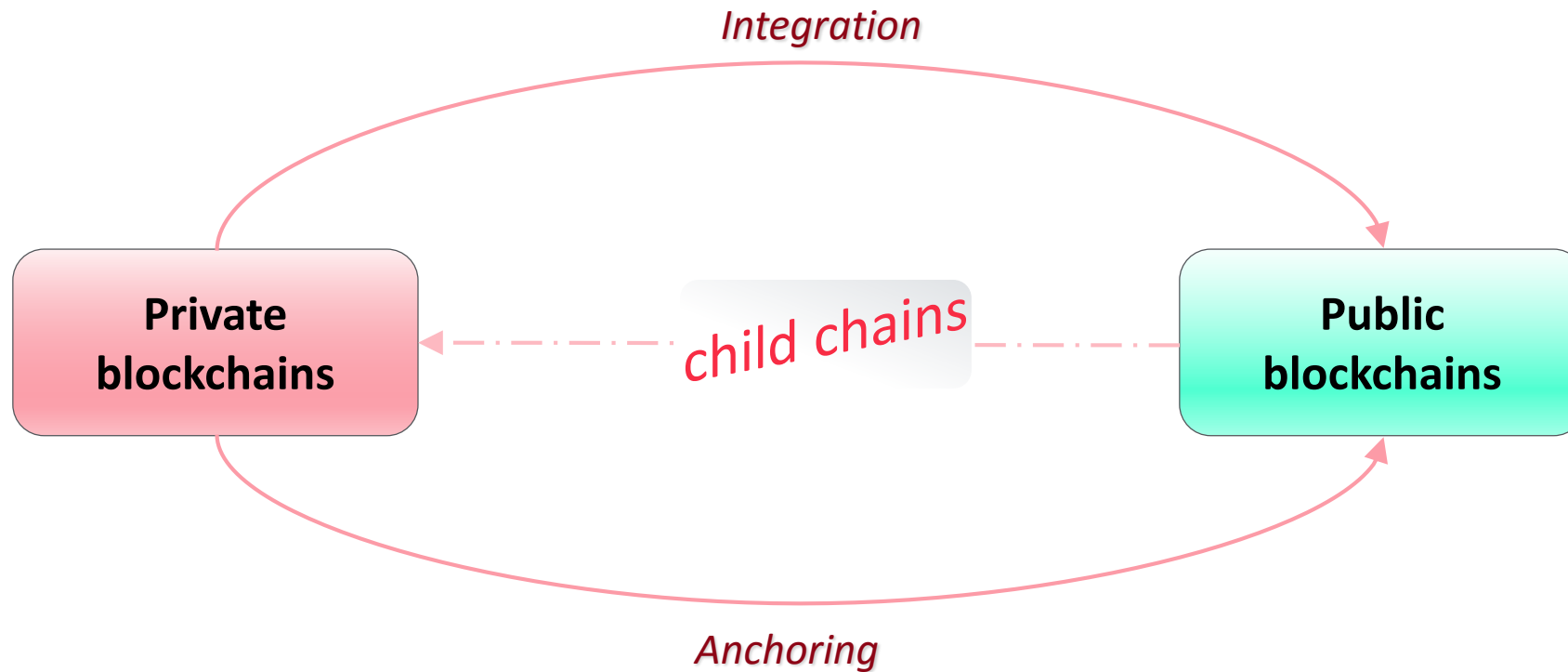
Organizations with delicate, scattered data sources

Multiple organizations/peers

How much decentralization is enough?

FOMO the hype or a genuine need for blockchain?

Prediction for the Future?





Public ... or private ... or consortium?
– Yes.

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