



Information Age Technologies

Shahin Khan

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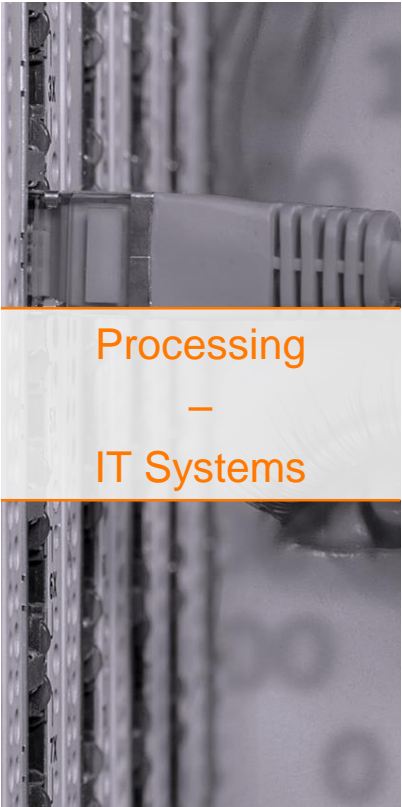
Information Age



Extraction

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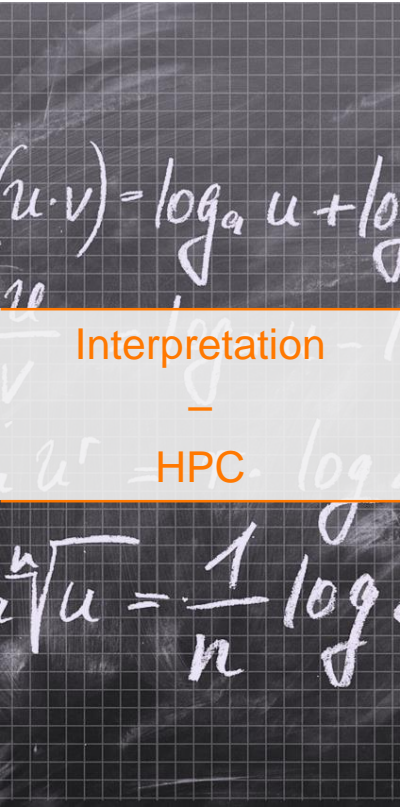
Digitization



Processing

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IT Systems

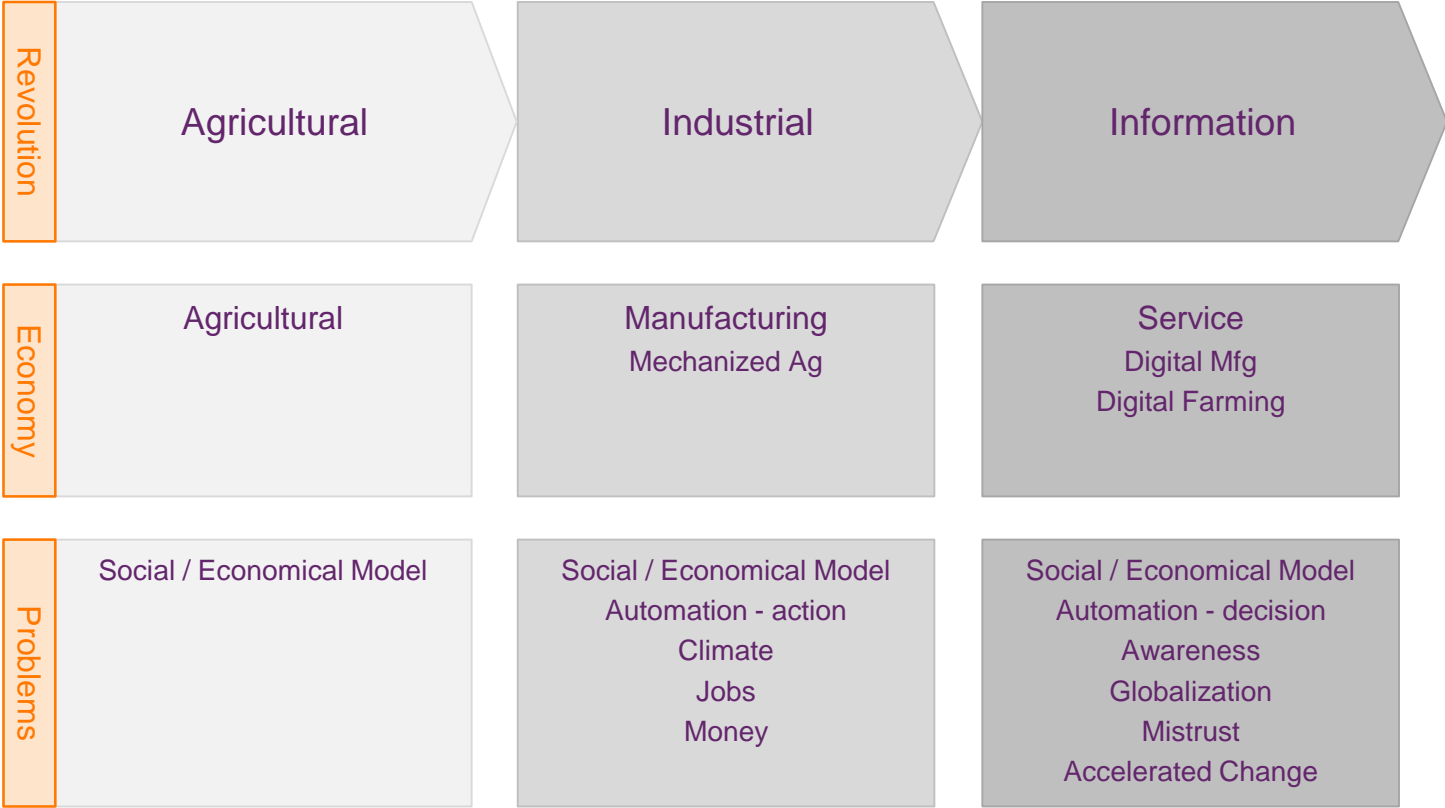


Interpretation

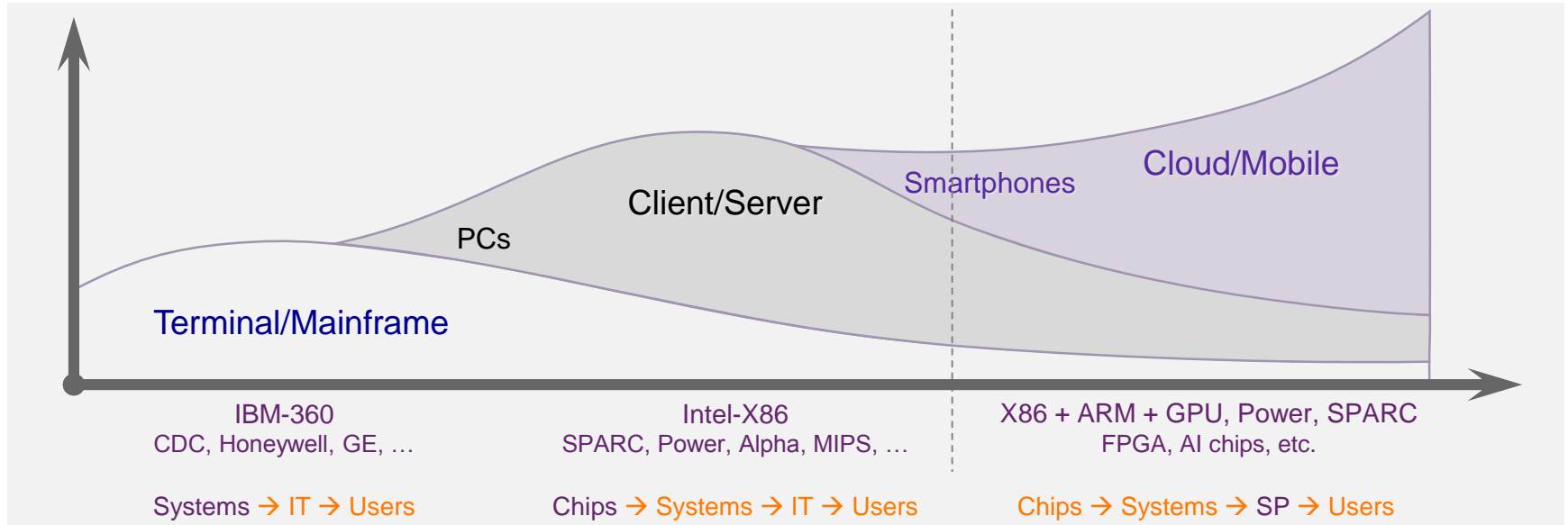
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HPC

Digitization



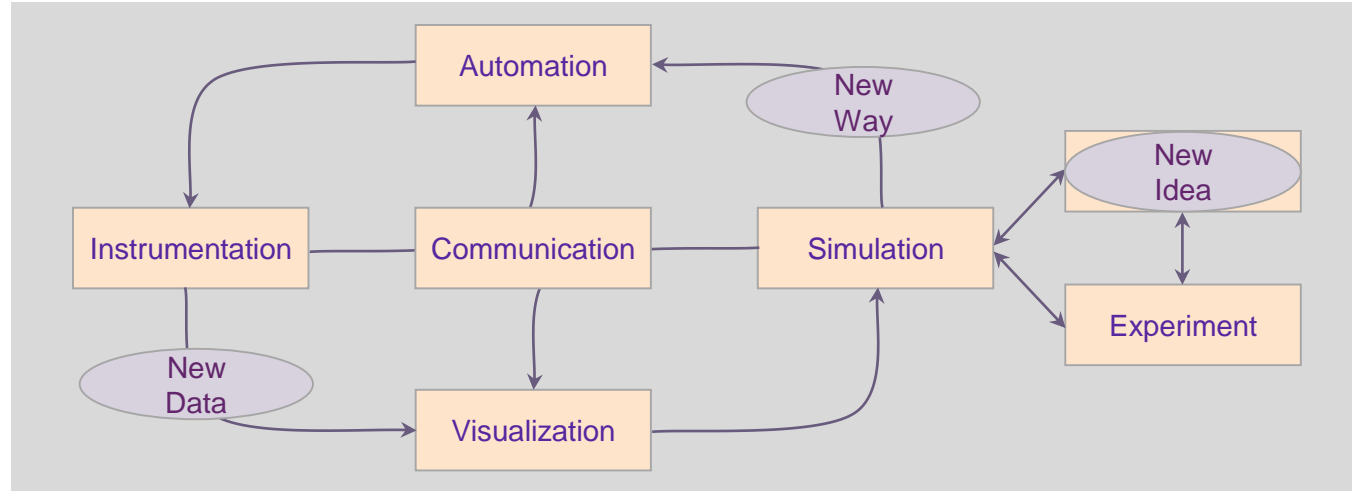
IT Systems



The Engine of the Information Age



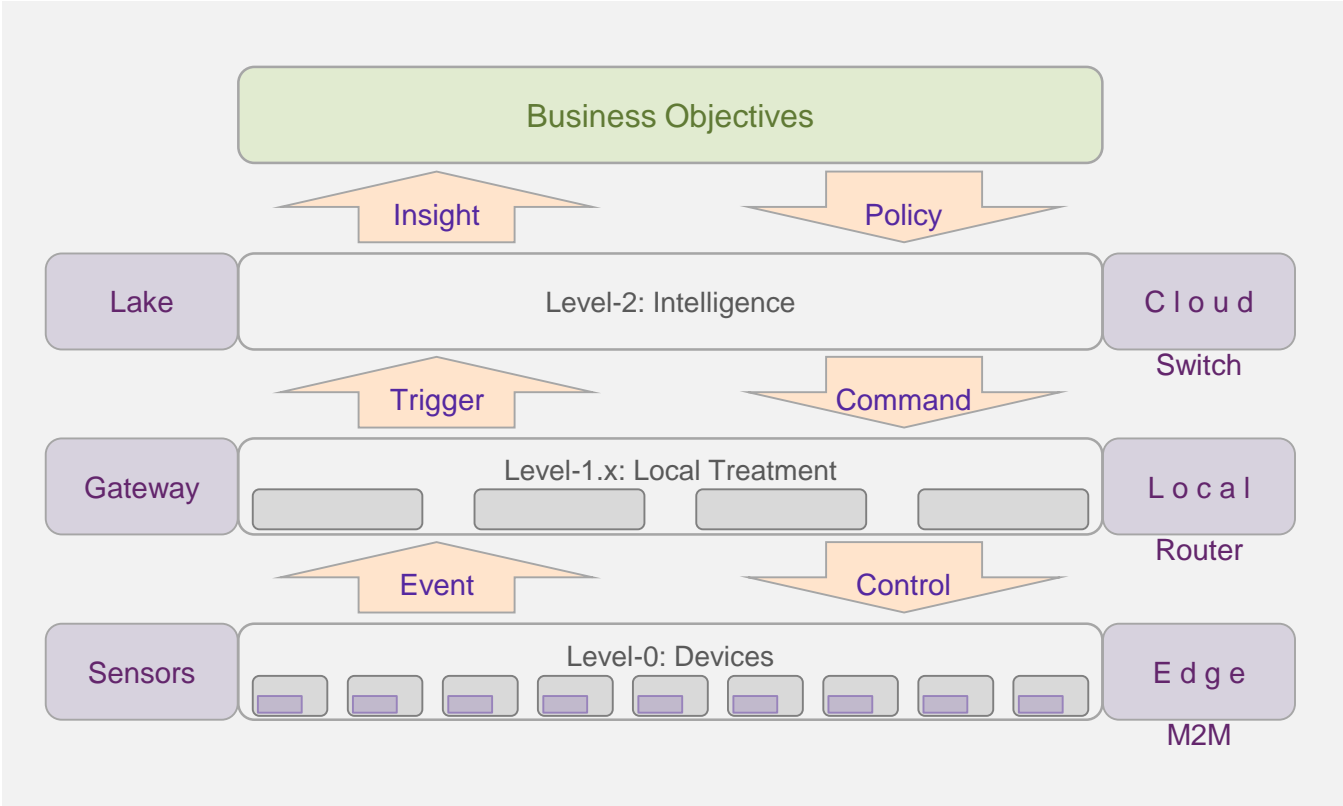
HPC





Hot Topics

IoT



Digital Money

#	Name	Market Cap	Price	Available Supply	Volume (24h)	% Change (24h)
1	Bitcoin	\$17,062,895,321	\$1056.58	16,149,175 BTC	\$130,625,000	1.31%
2	Ethereum	\$1,026,884,899	\$11.58	88,643,771 ETH	\$6,341,940	1.43%
3	Ripple	\$238,785,241	\$0.006479	36,856,513,336 XRP *	\$566,157	0.02%
4	Litecoin	\$201,956,416	\$4.07	49,680,431 LTC	\$6,228,360	0.09%
5	Monero	\$181,406,712	\$13.05	13,899,939 XMR	\$2,204,950	1.26%
6	Ethereum Classic	\$134,059,043	\$1.51	88,603,616 ETC	\$1,421,890	2.07%
7	Dash	\$122,163,035	\$17.24	7,084,544 DASH	\$979,516	2.55%
8	MaidSafeCoin	\$72,089,789	\$0.159296	452,552,412 MAID *	\$877,243	5.60%
9	NEM	\$61,181,460	\$0.006798	8,999,999,999 XEM *	\$311,674	13.88%
10	Augur	\$48,019,620	\$4.37	11,000,000 REP *	\$157,233	2.37%
11	Iconomi	\$45,062,868	\$0.517964	87,000,000 ICN *	\$345,144	14.81%
12	Steem	\$38,365,733	\$0.165224	232,204,362 STEEM	\$53,902	1.67%
13	Factom	\$31,304,837	\$3.58	8,753,219 FCT *	\$187,163	-1.30%
14	Golem	\$26,157,180	\$0.031899	820,000,000 GNT *	\$76,658	7.19%
15	Waves	\$25,540,500	\$0.255405	100,000,000 WAVES *	\$94,644	7.74%
16	Tether	\$24,951,546	\$0.999999	24,951,571 USD * *	\$1,527,970	0.00%

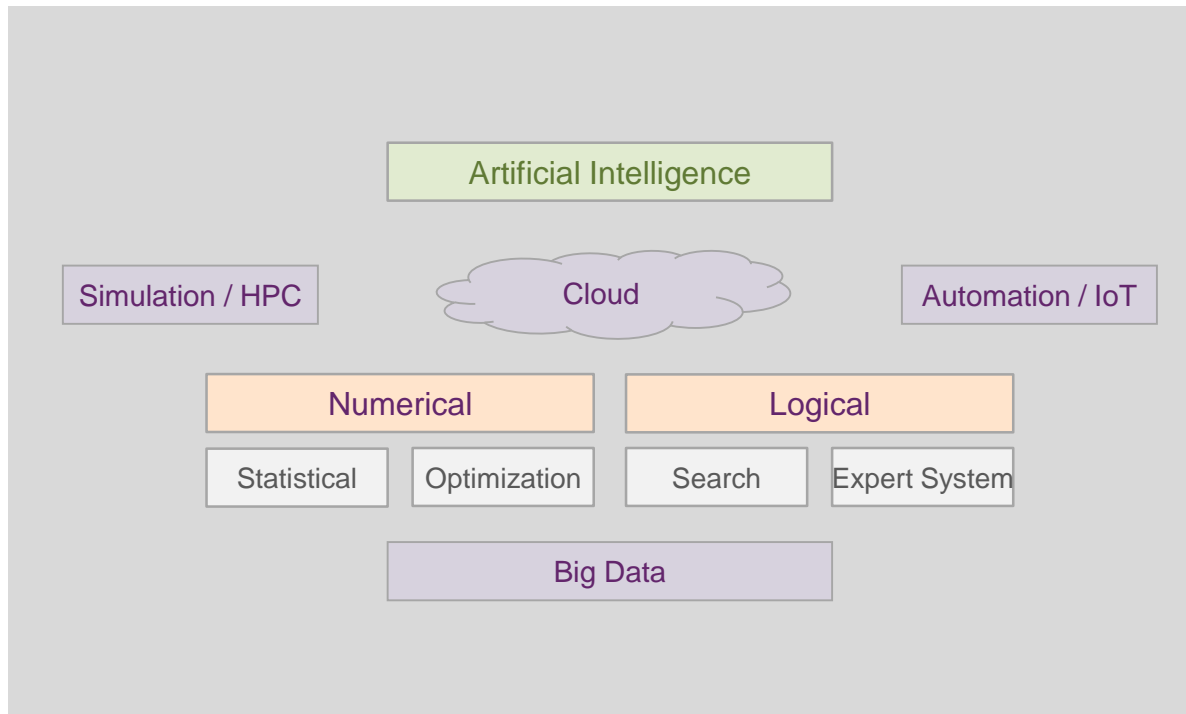


BitCoin & BlockChain

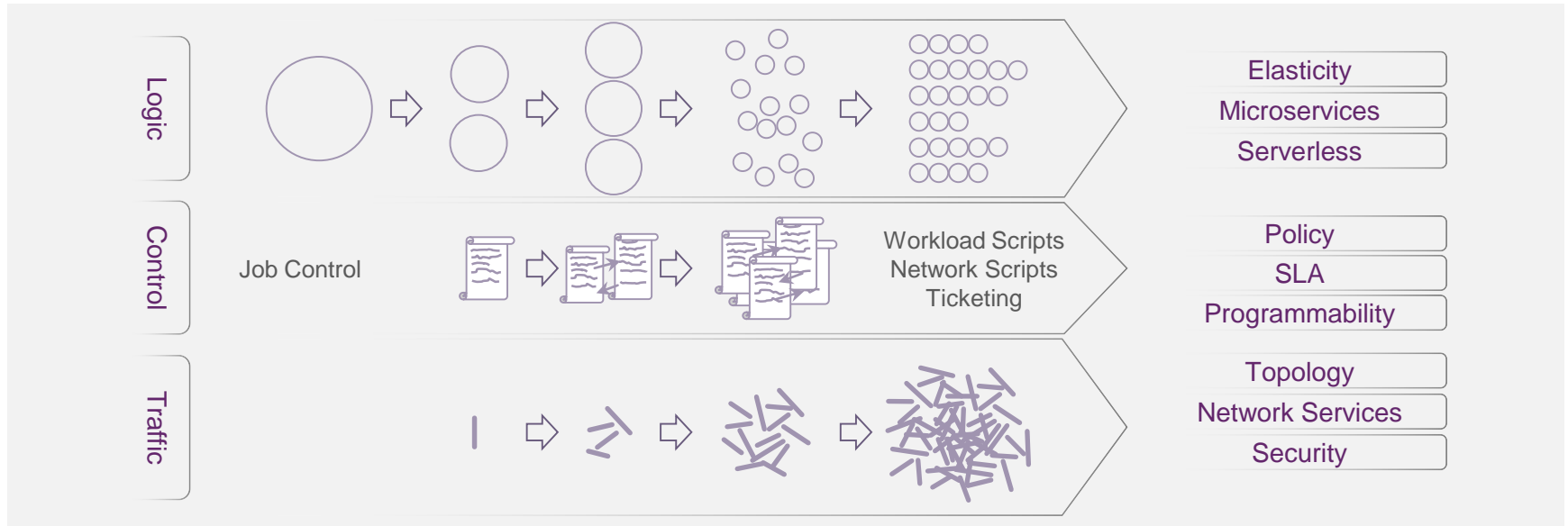
- ✦ BitCoin digitized gold
 - Mining
- ✦ BlockChain distributed ledger
 - Authenticity assured by computational challenge
- ✦ Increasing acceptance
- ✦ Increasing use cases
- ✦ But: legal challenges

AI =
High Performance AI

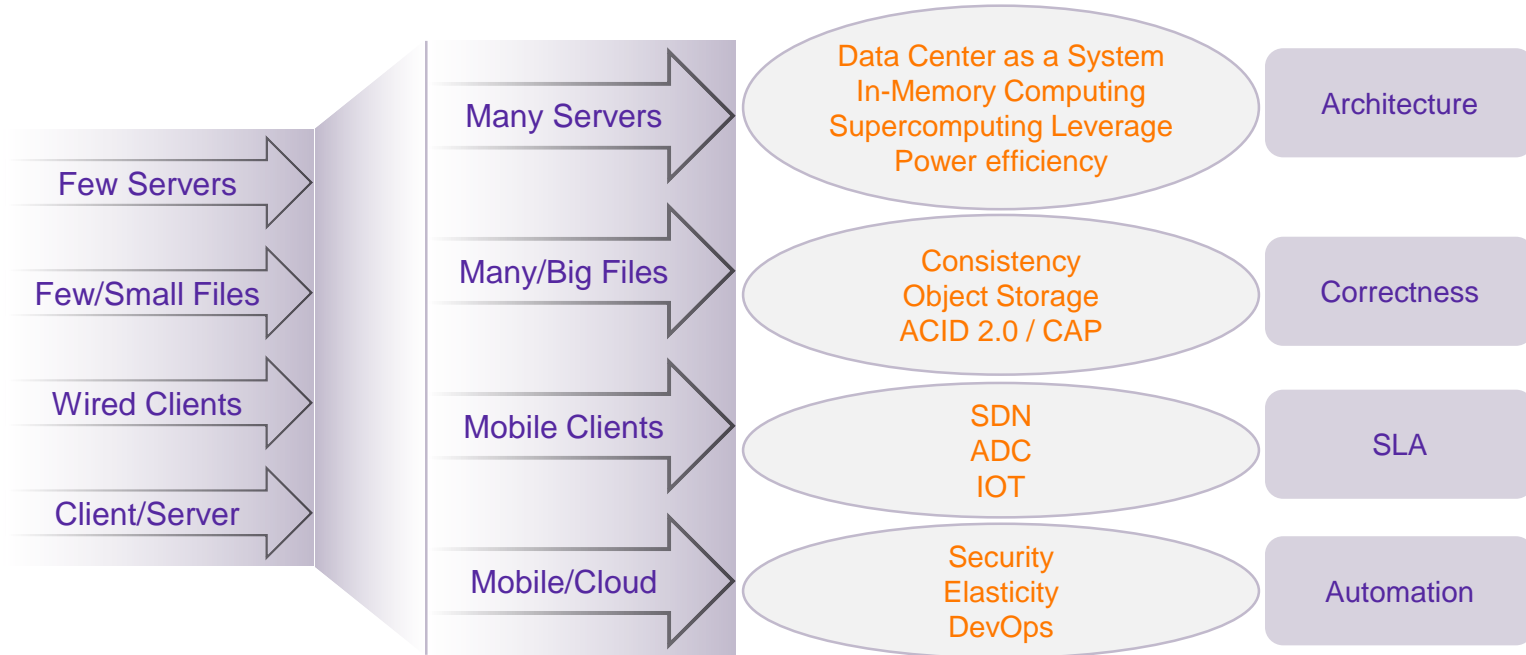
Intelligence is Computable



Apps: Containers, Automation, Fabric



Opportunities for differentiation



Data Center Predictions

The Register
Biting the hand that feeds IT

DATA CENTER SOFTWARE SECURITY TRANSFORMATION DEVOPS
SCIENCE EMERGENT TECH BOOTNOTES

Transformation

Wow, what an incredible 12 months: 2017's data center year in review

Predictions of the present past from today's future, or something



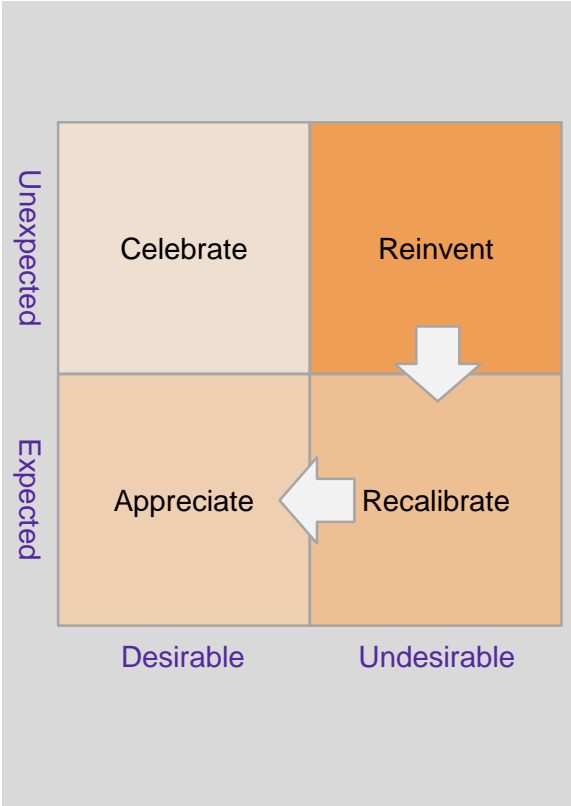
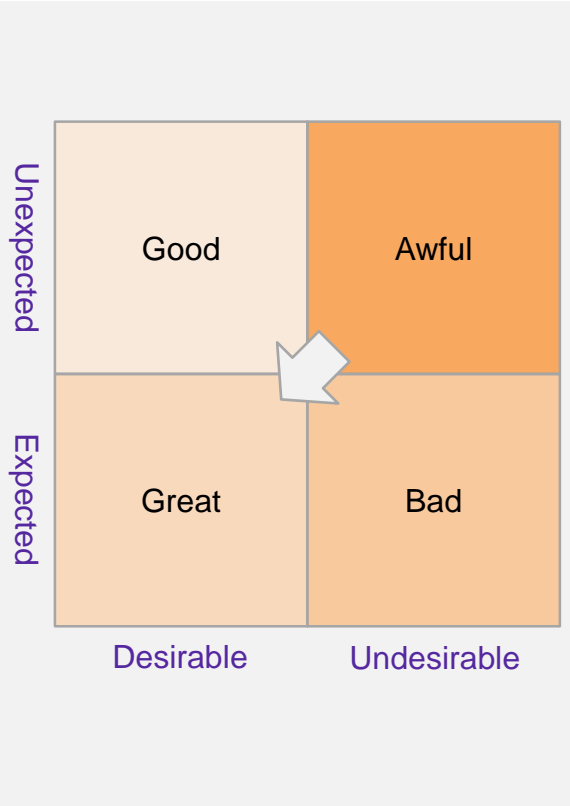
6 Feb 2017 at 07:29, Shahin Khan

Comment The data center market is hot, especially now that we are getting a raft of funky new stuff, from promising non-Intel chips and system architectures to power and cooling optimizations.

Since we're all thinking several quarters ahead anyway, we're practically in 2018. So from that point of view, we may as well look back at 2017 and tell you how it all went down and why. Thus, here is my "2017 Data Center Year in Review," with ten byte-sized inevitable outcomes.

- ✦ Data center optimization is here
- ✦ Azure will grow faster than AWS
- ✦ Great Wall of persistent memory will become a thing
- ✦ System vendors will announce racks, not servers
- ✦ Server revenue growth will be lower than GDP growth
- ✦ OpenPOWER will emerge as the viable alternative to x86
- ✦ My car will break down on 101
- ✦ More chips than Vegas; riskier too
- ✦ ARM server market share will stay below 3 per cent
- ✦ Is it an app, or is it a fabric? More cloud fabrics introduced

Dealing with change





Thank You!

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