



lessons learned in aviation

@mateusprado

agenda

- why?
- bugs
- automation, metrics, availability
- common stuff

\$ whoami

- developer, architect, systems engineer
- founder CodeOps
- #TheNextBigFin
- distributed systems
- private pilot
- beer, bbq









“Everything in the aviation is built in order to avoid an accident.”

Bugs



Black Box

- records everything in the cockpit
- data analysed, reason for the accident





Aviation Orange

metrics





B.I.T.E

Built-in Test Equipment

automation



AF447
F-GZCP

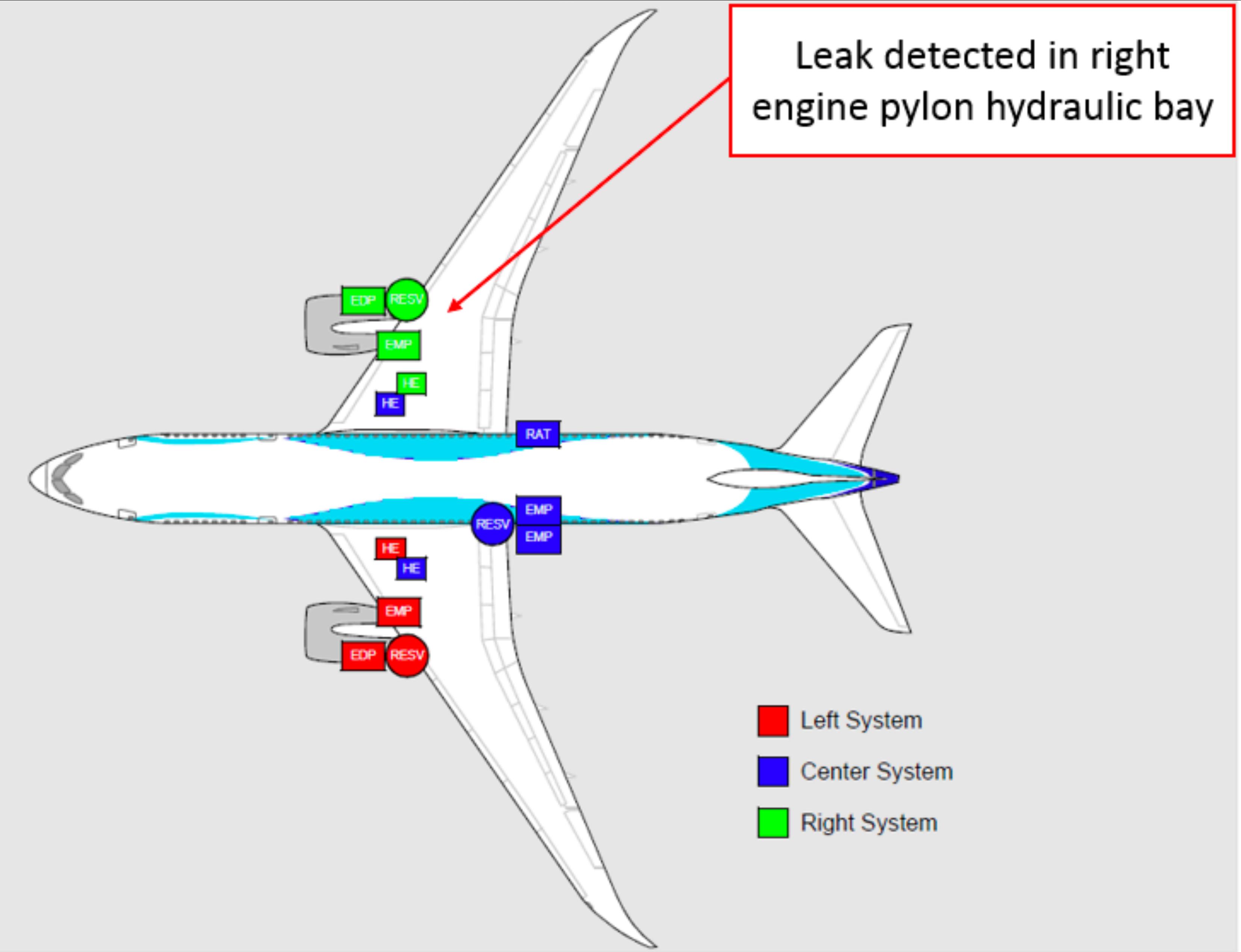


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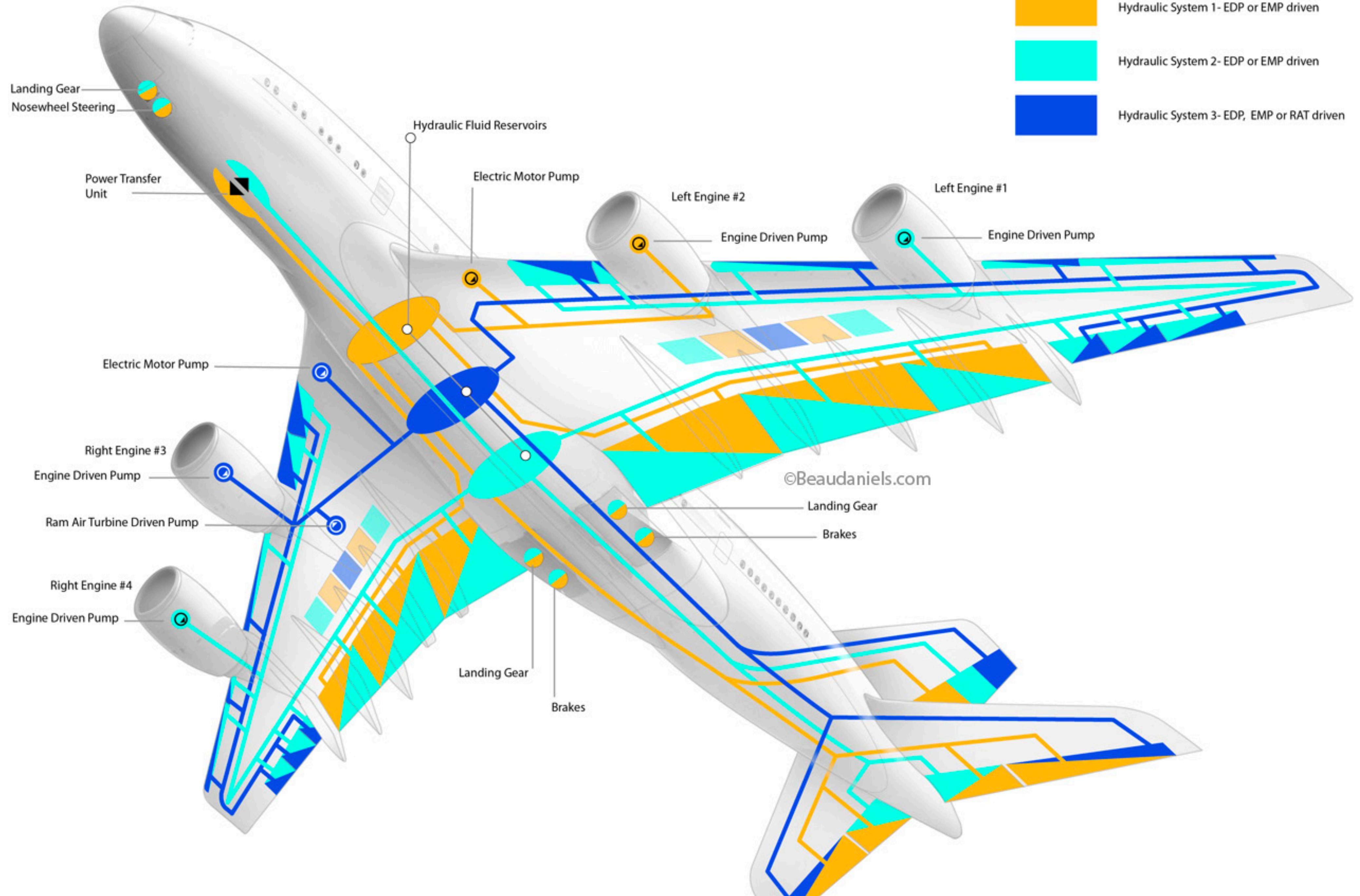
Proficiency

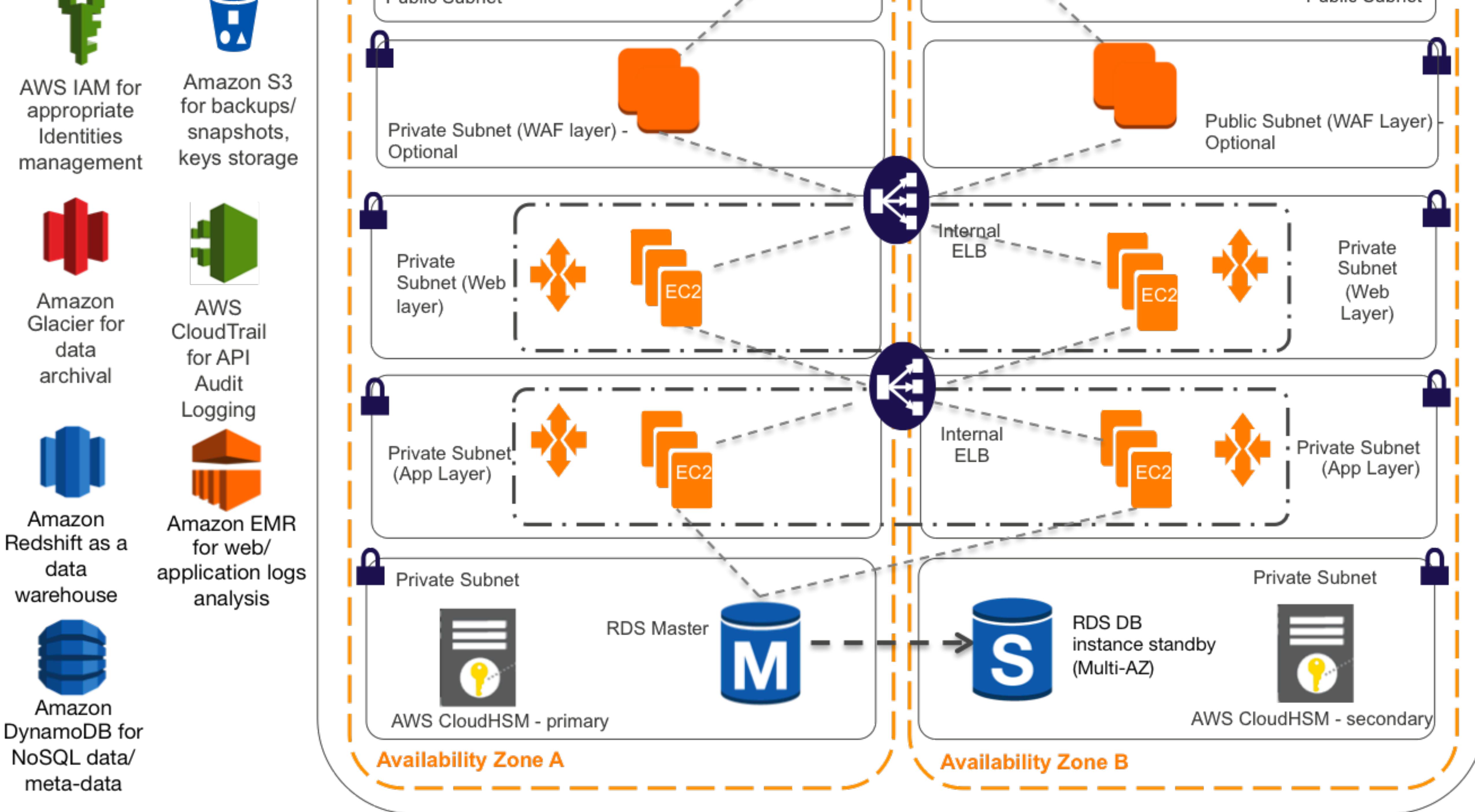
availability



Hydraulic System Redundancies

	Hydraulic System 1- EDP or EMP driven
	Hydraulic System 2- EDP or EMP driven
	Hydraulic System 3- EDP, EMP or RAT driven





devops





Dev+Ops

common stuff





keep in mind

- do you have a blackbox?
- solve real problems
- measure everything
- do not wait for the next problem
- sense, no luck

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