DEVSECOPS IN THE CLOUD FROM THE LENS OF A WELL-ARCHITECTED FRAMEWORK

TURJA CHAUDHURI

SECTION1: CONTEXT AND BACKGROUND

WE HAVE REALLY COME A LONG WAY.

BUT THE BUSINESS REQUIREMENTS HAVE NOT CHANGED.

JUST HAPPY THAT THE BUSINESS OUTCOMES, USE-CASE IS MET WITH A WELL-ARCHITECTED SECURE WORKLOAD





ARCHITECTURE IS THE GLUE THAT HOLDS IT ALLTOGETHER

> WHY DO WE NEED TO EMBRACE THIS SO-CALLED

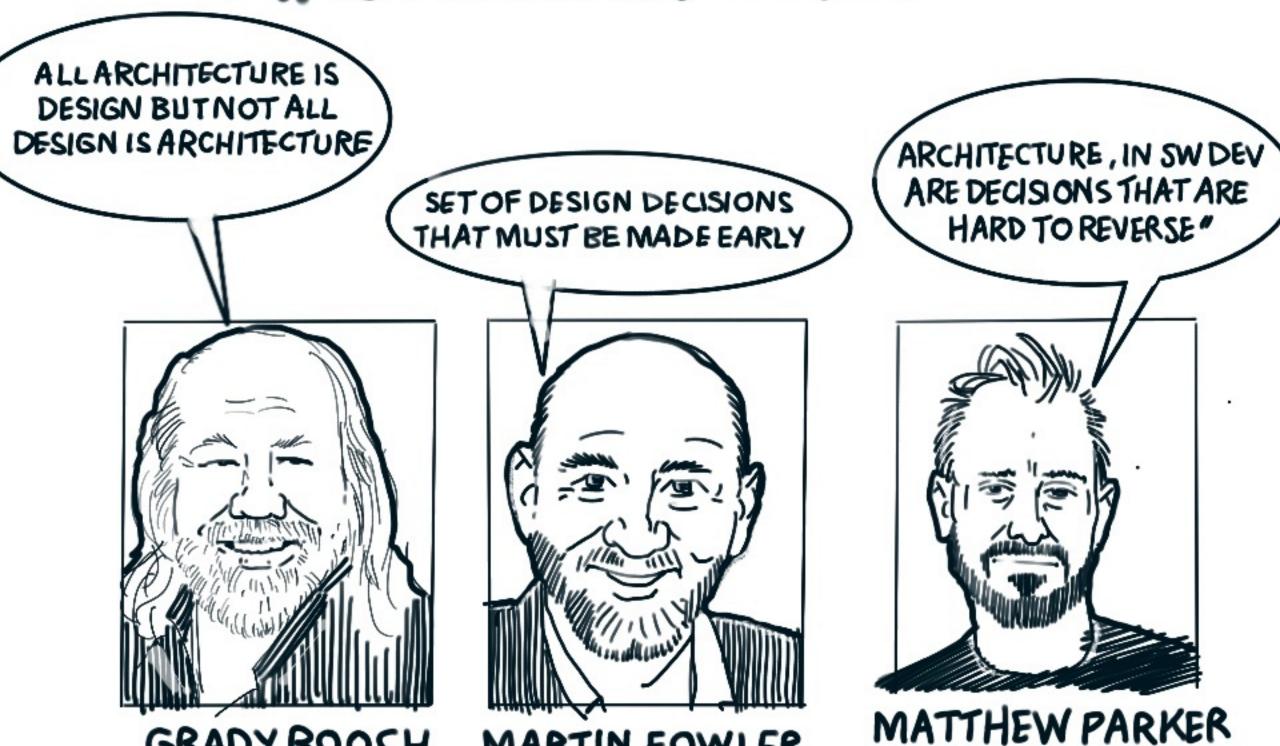
DEAZECOLS

SECTION 3: ARCHITECTURE CONCEPTS



"THE FUNDAMENTAL ORGANIZATION
OF A SYSTEM ...
... PRINCIPLES GUIDING
ITS DESIGN AND EVOLUTION."

WHAT IS ARCHITECTURE?

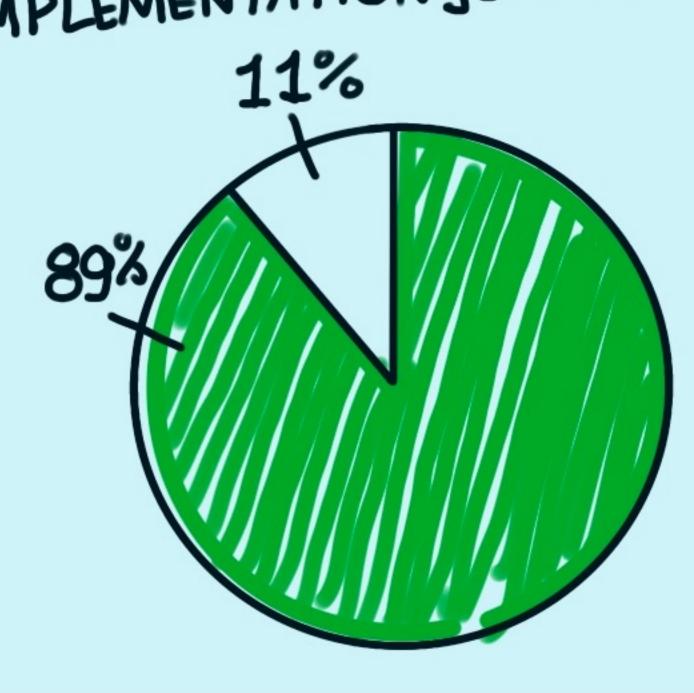


SECTION 2:
WHAT IS DEVSECOPS

• APPROACH THAT INTEGRATES
SECURITY AS A SHARED RESPONSIBILITY
THROUGHOUT THE ENTIRE IT LIFECYCLE,
• EVERYONE FOCUSES ON SECURITY

NO SURPRISES AT THE END

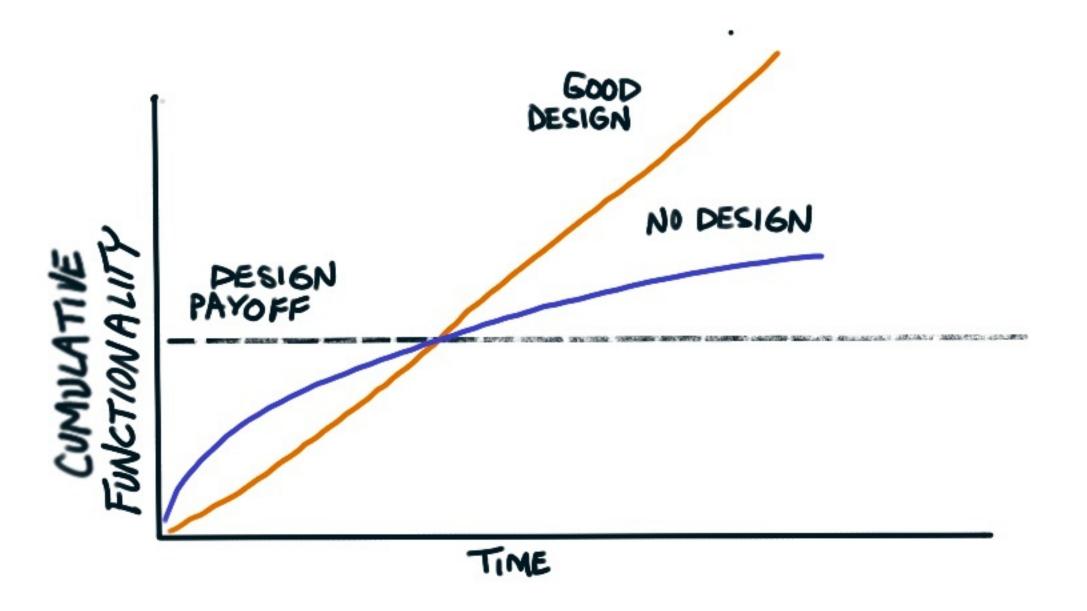
MOST ORGS ARE INVOLVED WITH SOME PART OF THE IMPLEMENTATION JOURNEY

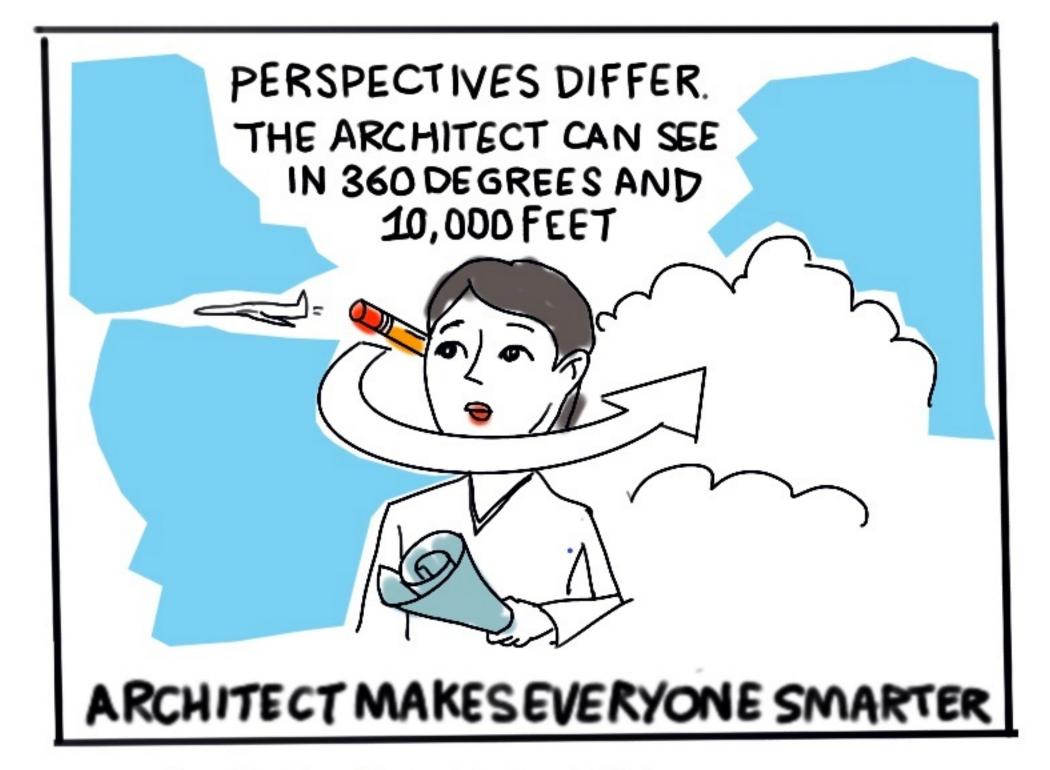


ONCE YOU GO DOWN A PATH ITS
HARD TO CHANGE COURSE,
ARCH, DECISIONS ARE HARD TO CHANGE









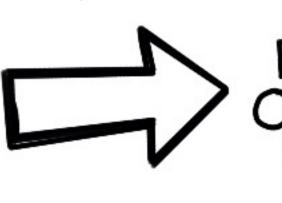
AGILE ARCHITECTURE

O IMMEDIATE

ARCHITECTURE TO ARCHITECTURE

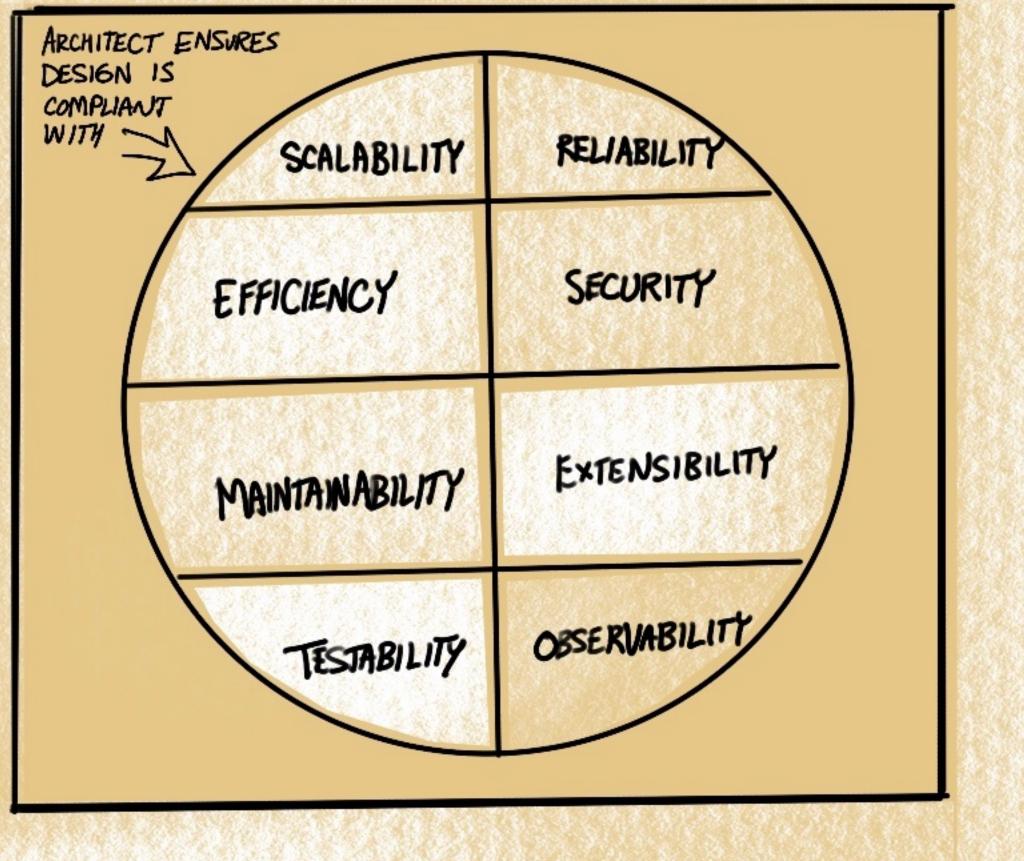
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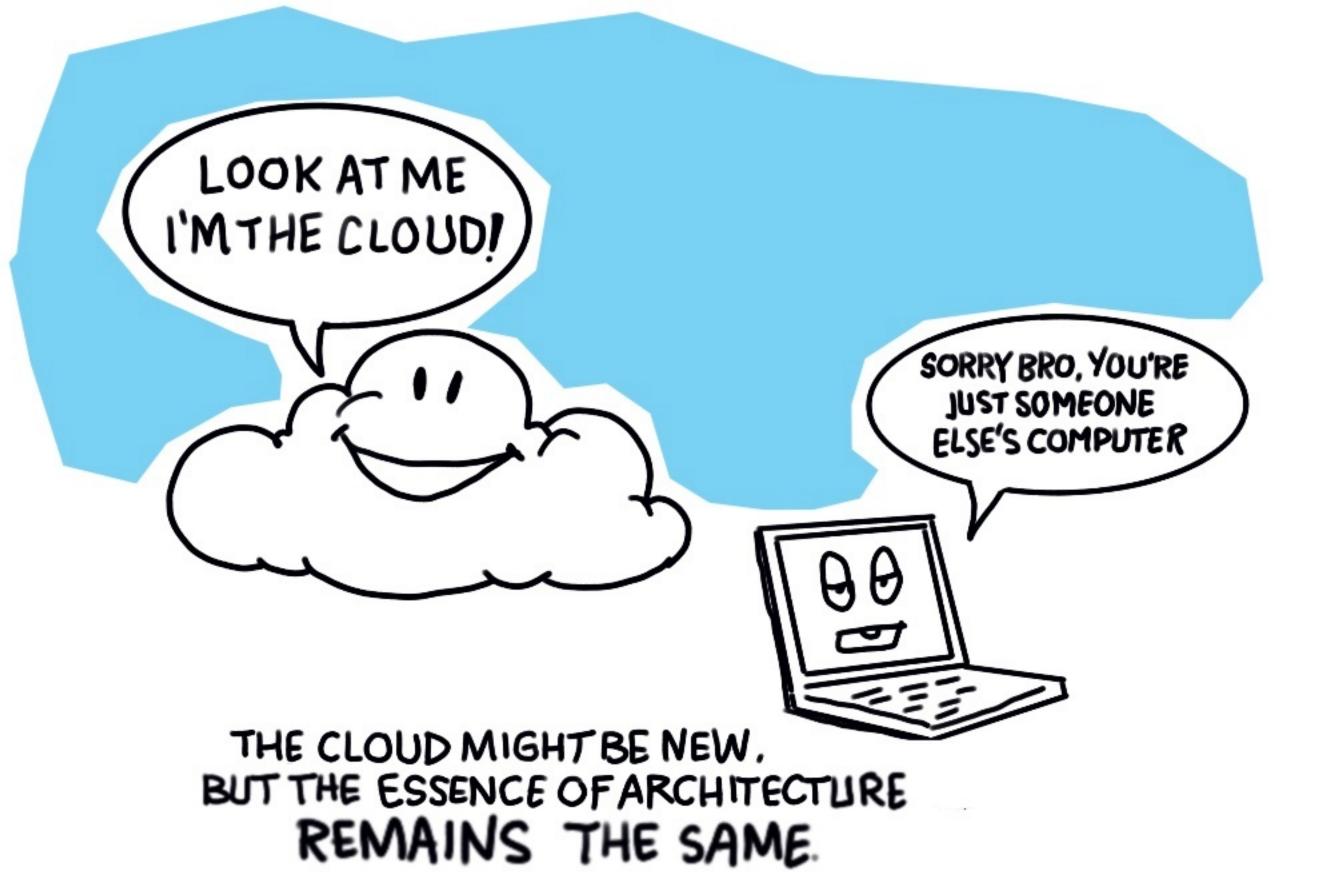
DESIGN NOT BASED
ON A STRONG
ARCHITECTURAL
FOUNDATION



BUSINESS OBJECTIVES NOT MET

NON-FUNCTIONAL REQUIREMENTS (NFR)



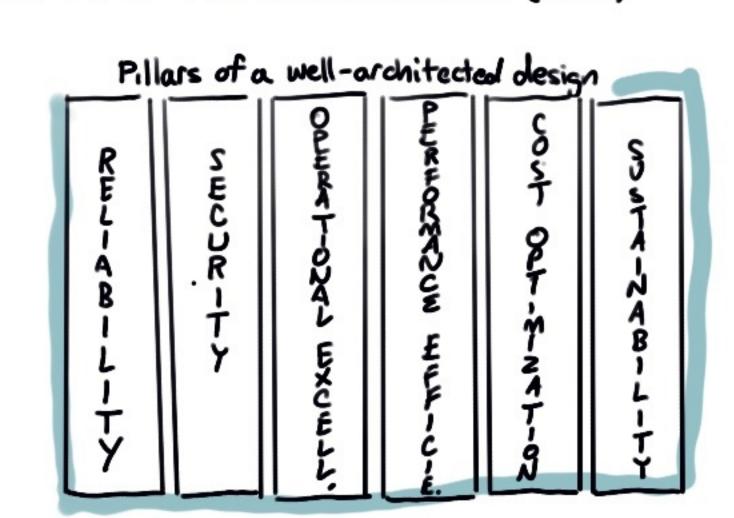


SECTION 4: LINK BETWEEN Dev Sec Ops AND ARCHITECTURE

ESSENTIALLY, EVEN IN THE NEW WORLD OF CLOUD/CLOUD-NATIVE, NOTHING HAS CHANGED THAT MUCH

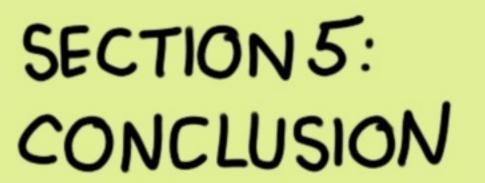


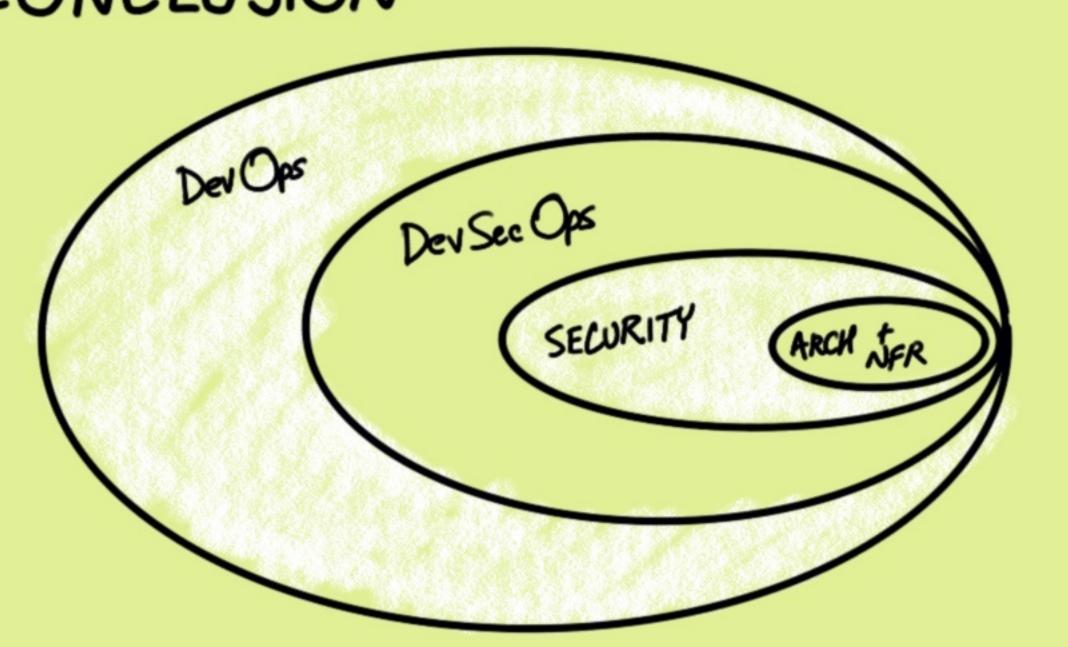
WELL-ARCHITECTED FRAMEWORK (WAF)



SECURITY PILLAR IN WAF IS NOT JUST RELATED TO THE SECURITY NFR, RATHER RELATED TO OTHER NFR'S LIKE RELIABILITY, PERFORMANCE, DEPLOYABILITY, AND SO ON.

"AT A HIGH-LEVEL,
IF YOU REALLY THINK ABOUT
IT, DEVSECOPS PRINCIPLES
ARE EXTENSIONS OF THE BEST
PRACTICES/STAND ARDS THAT
ENFORCES THE SAME NFR(S)
THAT WE DISCUSSED"





IF YOU ACHIEVE YOUR NFRS YOU CAN ACHIEVE YOUR BUSINESS OBJECTIVES