EVERYTHING YOU WANTED TO KNOW ABOUT DEVOPS BUT WERE AFRAID TO ASK

CLAIRE MOSS

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SURVIVABILITY

“WHEN A PROBLEM COMES ALONG (YOU MUST WHIP IT) ...
... WHEN SOMETHING'S GOING WRONG (YOU MUST WHIP IT)"
– DEVO, WHIP IT

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CLAIRE MOSS

DELIVERING SOFTWARE FOR 15 YEARS WITH VARIOUS TEAMS IN VARIOUS CONTEXTS & OFTEN SEEN LIVE-TWEETING ON THE INTERNET

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MODIFIABILITY

“THE WAY THAT WE WEREN’T
IS WHAT WE’LL BECOME
SO PLEASE PAY ATTENTION
WHILE I SHOW YOU SOME
OF WHAT'S ABOUT TO HAPPEN”

- DEVO, PEEKABOO

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WHAT IS DEVOPS?
CONCURRENCY

“STOP AND LET ME TELL YOU WHAT TOMORROW HOLDS FOR YOU
STOP AND LET ME TELL YOU 'BOUT A PLAN I HAVE FOR YOU”

- DEVO, ENOUGH SAID

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OH NO! DEVOPS

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ROBUSTNESS

“WASHED HIS HANDS OF A DEADLY FATE
HE PUT HIMSELF IN AN ALTERED STATE”

- DEVO, MECHA-MANIA BOY

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AM I DOING DEVOPS?

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BARRIERS TO DEVOPS?

WORST DEPLOYMENT EXPERIENCE

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DISASTER RECOVERY

“YOU TOLD ME, PEOPLE LIKE TO SUFFER
YOU TOLD ME THAT'S THE WAY IT IS
YOU SAID THAT THINGS WERE GETTING BETTER
YOU SAID I SHOULD ACCEPT ALL THIS”
- DEVO, JERKIN' BACK 'N' FORTH

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WHY DEVOPS?

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MANAGEABILITY

“TODAY / WHAT DOES IT TAKE TO DO THE SUPER THING (SUPER THING) I’LL TELL YOU / WHAT IT TAKES A VERY SIMPLE THING (SIMPLE THING) IRON NERVES”

- DEVO, THE SUPER THING

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NUMBERS... ROOT OF EVIL??
COMPLEXITY

“THEY'VE GIVEN ME A NUMBER
BUT THEY'VE TAKEN AWAY MY NAME”

– DEVO, SECRET AGENT MAN

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LETS FOCUS
TOOLS AND METRICS MATTER ... TO SOMEONE!
FOCUS ON PEOPLE WHO ARE DEVOPS

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SUSTAINABILITY

“SUBURBAN ROBOTS THAT MONITOR REALITY
COMMON STOCK
WE WORK AROUND THE CLOCK”
– DEVO, SMART PATROL / MR DNA

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GROK

ALL

THE

LAYERS

OF DEVOPS
UNDERSTANDABILITY

“FIND OUT WHERE IT GOES
FIND OUT FASTER ROADS
FIND OUT IT NEVER GROWS
FIND OUT FOR YOURSELF”

- DEVO, FIND OUT

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WHO IS PART OF DEVOPS?

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NOT ALWAYS UNDER ONE ROOF

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PORTABILITY

“LET THEM FIGURE IT OUT
GO ON AND STEP ACROSS
JUST REMIND YOURSELF
THAT WE ARE HERE TO GO”

- DEVO, HERE TO GO
BENEFITS OF DEVOPS?

UNDERSTANDING
TRUST
RESPECT
FEEDBACK

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SERVICEABILITY

“WE LIKE EXPLOSIONS THAT LEAVE YOU FEELING GOOD
WE LIKE IDEAS THAT CHANGE THE WORLD FOR GOOD”

– DEVO, EXPLOSIONS

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HOW DO WE DEVOPS?

CONTEXT

CONSTRAINTS

RISK TOLERANCE

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SCALABILITY

“DON’T BE TRICKED BY WHAT YOU SEE. YOU GOT TWO WAYS TO GO.”

– DEVO, FREEDOM OF CHOICE

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BLENDING COMPANIES & DEVOPS

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INTEROPERABILITY

“WATCH US WORK IT WORK IT OUT”

– DEVO, WATCH US WORK IT

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HOW DO / DEVOPS?

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“AIN'T IT TRUE THERE'S JUST NO DOUBT 
THERE'S SOME THINGS THAT YOU CAN 
DO WITHOUT 
AND THAT'S GOOD”

– DEVO, THAT'S GOOD
ENABLERS OF DEVOPS?

STOP,

LOOK,

AND LISTEN

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TRANSPARENCY

“CLEAN THAT MESS UP.
FESSION UP. LISTEN UP.”

– DEVO, SOCIAL FOOLS

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BEHAVIOR SUPPORTING DEVOPS?

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"WELL, IT'S A GOD-GIVEN FACT THAT YOU CAN'T GO BACK NO, YOU CAN'T GO BACK"
- DEVO, SHRIVEL UP

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COMPATIBILITY

“IT’S A BEAUTIFUL WORLD FOR YOU
IT’S NOT FOR ME”

- DEVO, BEAUTIFUL WORLD

WELL

THAT DEVOLVED QUICKLY

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LAWS OF CONSERVATION
OF PAIN AND JOY

SHARED PAIN IS LESSENED

SHARED JOY, INCREASED

THUS DO WE REFUTE ENTROPY
PRIME DIRECTIVE

DID THE BEST THEY COULD

GIVEN WHAT THEY KNEW,

SKILLS, ABILITIES, RESOURCES, SITUATION

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SECURITY

“JUST STAND IN LINE
TAKE YOUR TURN
NOW MAKE YOUR MOVE
AND CRUSH THAT DOUBT”
– DEVO, TON O LUV

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RELEASE CADENCE & DEVOPS

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“SO YOU'RE LIVING UNDER THE GUN. CIRCUMSTANCES HAVE YOU ON THE RUN. ... DON'T YOU LOSE IT - REMEMBER TO TAKE TIME OUT FOR FUN!”

- DEVO, TIME OUT FOR FUN
IMPACTS ON DEVOPS

RECOGNIZE DYNAMICS WHEN THEY COME UP

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REUSABILITY

“PATTERNS ALL AROUND YOU
PATTERNS EVERYWHERE
PATTERNS OF BEHAVIOR SOMETIMES
SEEM UNFAIR
CAN YOU RECOGNIZE THE PATTERNS
THAT YOU FIND?”

- DEVO, PATTERNS

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GREATEST HITS

• ARCHITECTURE → EFFECTIVENESS
• TECH PRACTICES → EFFICIENCY
• CULTURAL NORMS → HAPPINESS / HUMANE WORK ENVIRONMENT

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GREATEST MISSES

- LOCAL GOALS PRIORITIZED OVER GLOBAL GOALS → REDUCES FLOW
- NOT TALKING OPENLY ABOUT PROBLEMS → MISSING OUT ON FEEDBACK AND CONTINUAL LEARNING
- EMPHASIZING PROCESSES OVER EXPERIMENTATION

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“REMEMBER: NO ONE KNOWS, SO LET’S FIND OUT.”
– DEVO, NU-TRA SPEAKS
CUSTOMER COLLABORATION

- TUESDAY AFTERNOON – PRINCIPLES OF SELF-SERVICE INFRASTRUCTURE
- WEDNESDAY AFTERNOON – BUILDING EVOLUTIONARY CLOUD INFRASTRUCTURE
- WEDNESDAY AFTERNOON - DEVOPS METRICS 101
- THURSDAY AFTERNOON – THE THREE WAYS OF DEVOPS
- THURSDAY AFTERNOON - CREATING CHAOS ... ENGINEERING
RESPONSE TIME

“LIVE RIGHT. MAKE LOTS OF LOOT.”
- DEVO, BE STIFF

“That's all for now.
That's all we know.
This is the end.”
— DEVO, SOCIAL FOOLS

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HONK IF YOU’RE DEVOPS

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