SECURITY IN CONTINUOUS DELIVERY ENVIRONMENT WITH A STRONG MIX OF SOA

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WHO AM I?

Jakub Nawalaniec — Security Engineer @ Base CRM
WHAT IS BASE?
CONTINUOUS DELIVERY @BASE
SELF SUFFICIENT TEAMS
CONTINUOUS DELIVERY @BASE
SELF SUFFICIENT TEAMS
EXPERIENCES
MULTIPLE ENVIRONMENTS

- Development
- Sandbox
- Staging
- Production
DEVELOPMENT SPEED

Production Deployments last 30 days: 963
Production Deployments (last 7 days): 289

Production Deployments by day (last month)

Production Deployments by day (last 7 days)
...IN ALL ENVIRONMENTS
SECURITY CONCERNS?
DUPLICATE FUNCTIONALITIES
SHARED FUNCTIONALITIES
DEPENDENCIES
REIMPLEMENTING THE WHEEL
IS THERE HOPE?
FIGHTING BLOAT
DIVIDE FAT MICRO-SERVICES
REPLACE LEGACY MICRO-SERVICES
AUTOMATE!
INTEL
ANALYZE DEPENDENCIES
AGGREGATE VULNERABILITIES INFO
AGGREGATE SERVICE METADATA
WHY DO IT YOURSELF?
MULTIPLE PLATFORMS SUPPORT
INFORMATION SOURCE MASHUP
EASY TO EXPAND AND CUSTOMIZE
METRIC INTEGRATION FTW
SO WE WON?
NOPE.
HERE IS WHY:
LIMITED CONTEXT AWARENESS
SERVICES INTERACTIONS
ANALYSIS SPEED
BUG BOUNTY
BUG BOUNTY
PENTEST
MONITOR
MEASURE
THANKS!