



DevSecOps Day EMEA

Unlock 2024

Software Supply Chain

As a Platform

Gal Marder, EVP of Strategy

@JFrog



DEVELOPER-AUTOMATED SOFTWARE DELIVERY

By 2016

80%

of Engineering Organizations Applications

will establish **platform teams** as internal providers of reusable services, components and tools for **application delivery.**

Gartner.



THE SOFTWARE SUPPLY CHAIN

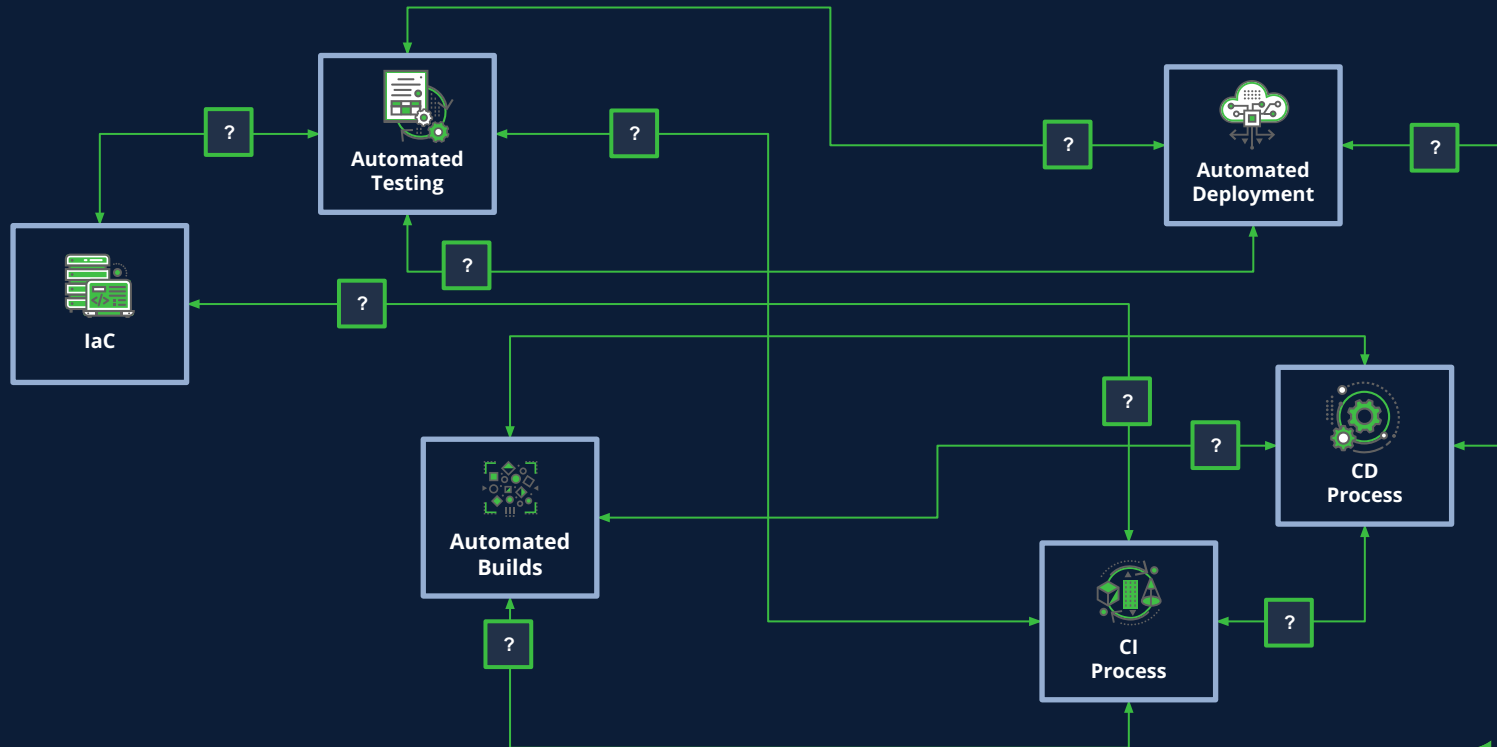
is a **CRITICAL FOUNDATION** to create **TRUSTED** application delivery.

HOW?





SOFTWARE DELIVERY HISTORY: ISLANDS OF AUTOMATION

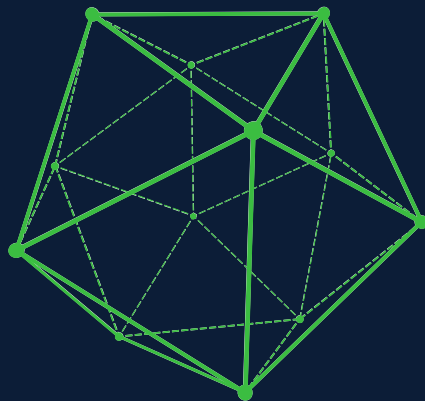


RELEASE



RELEASE-FIRST: NEED FOR CONTROL

INJECTING CONTROLS ALONG THE ASSEMBLY LINE TO GUARANTEE **TRUST**



Security



Licensing

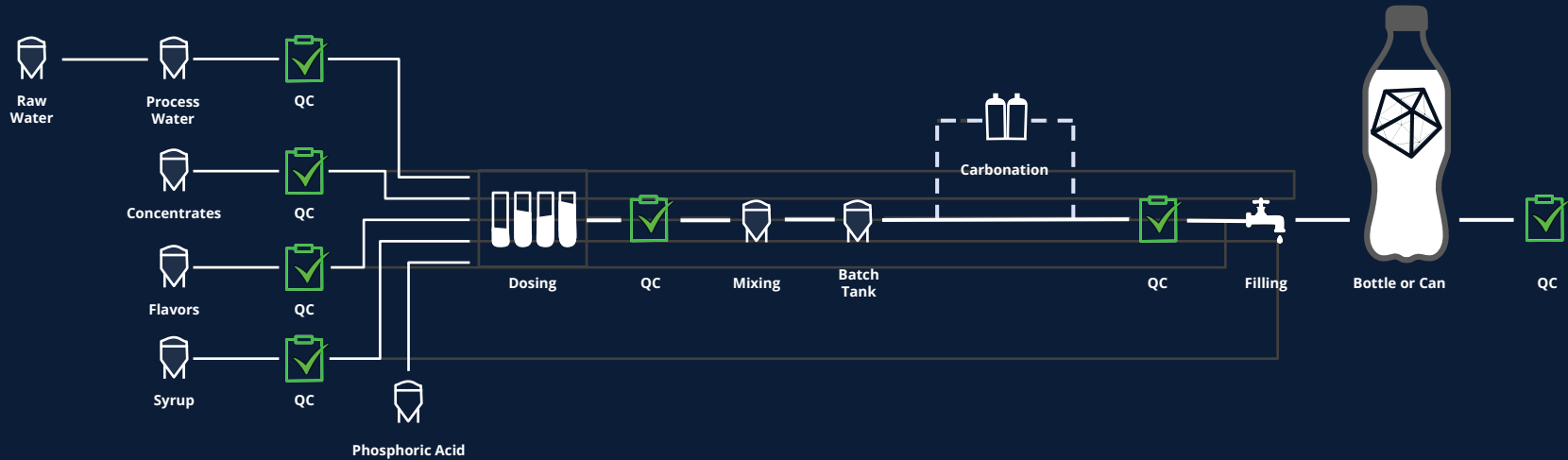


Compliance



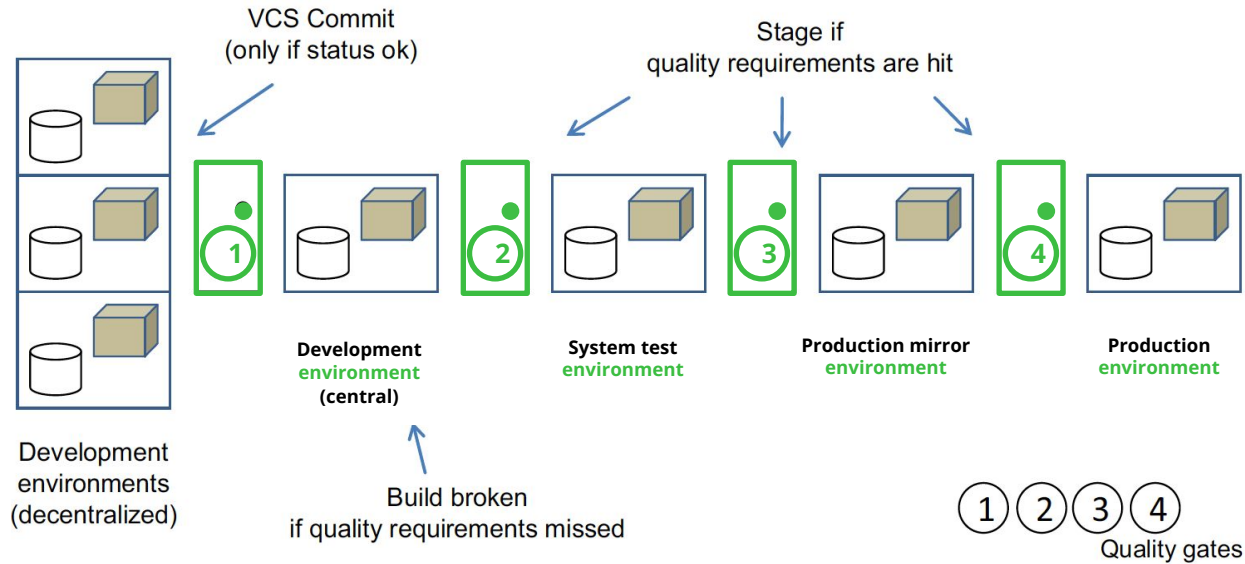
Quality

THE SUPPLY CHAIN OF YOUR SOFT DRINK

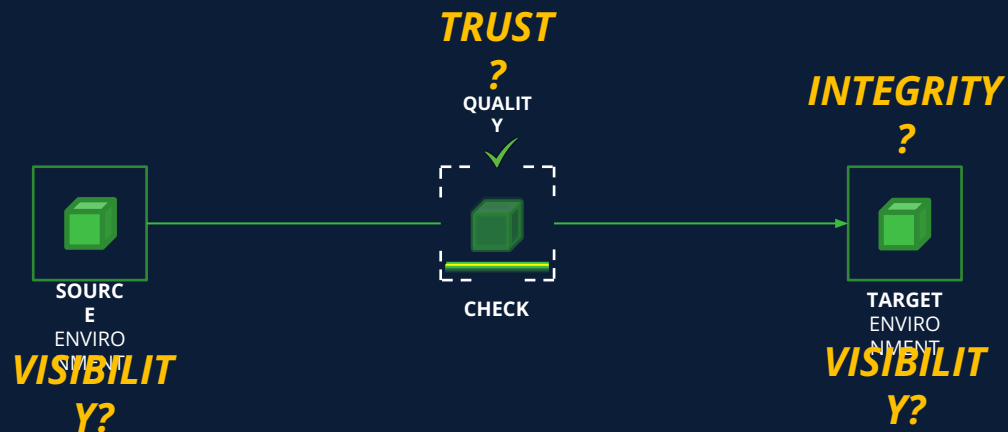


SOFTWARE QUALITY GATES

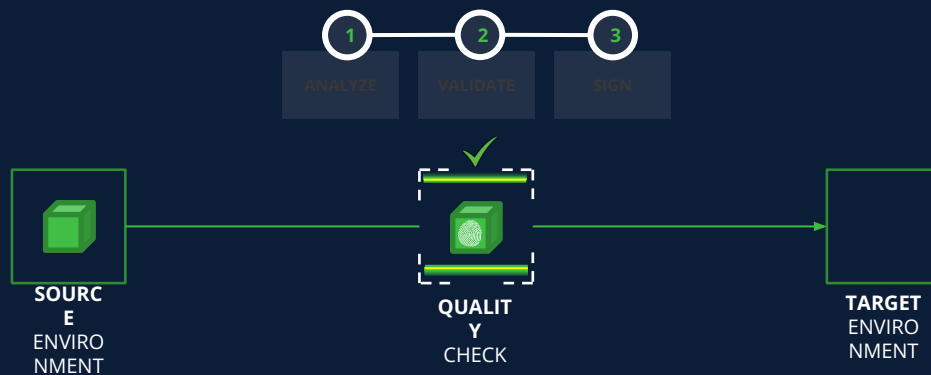
(Agile ALM - 2011)



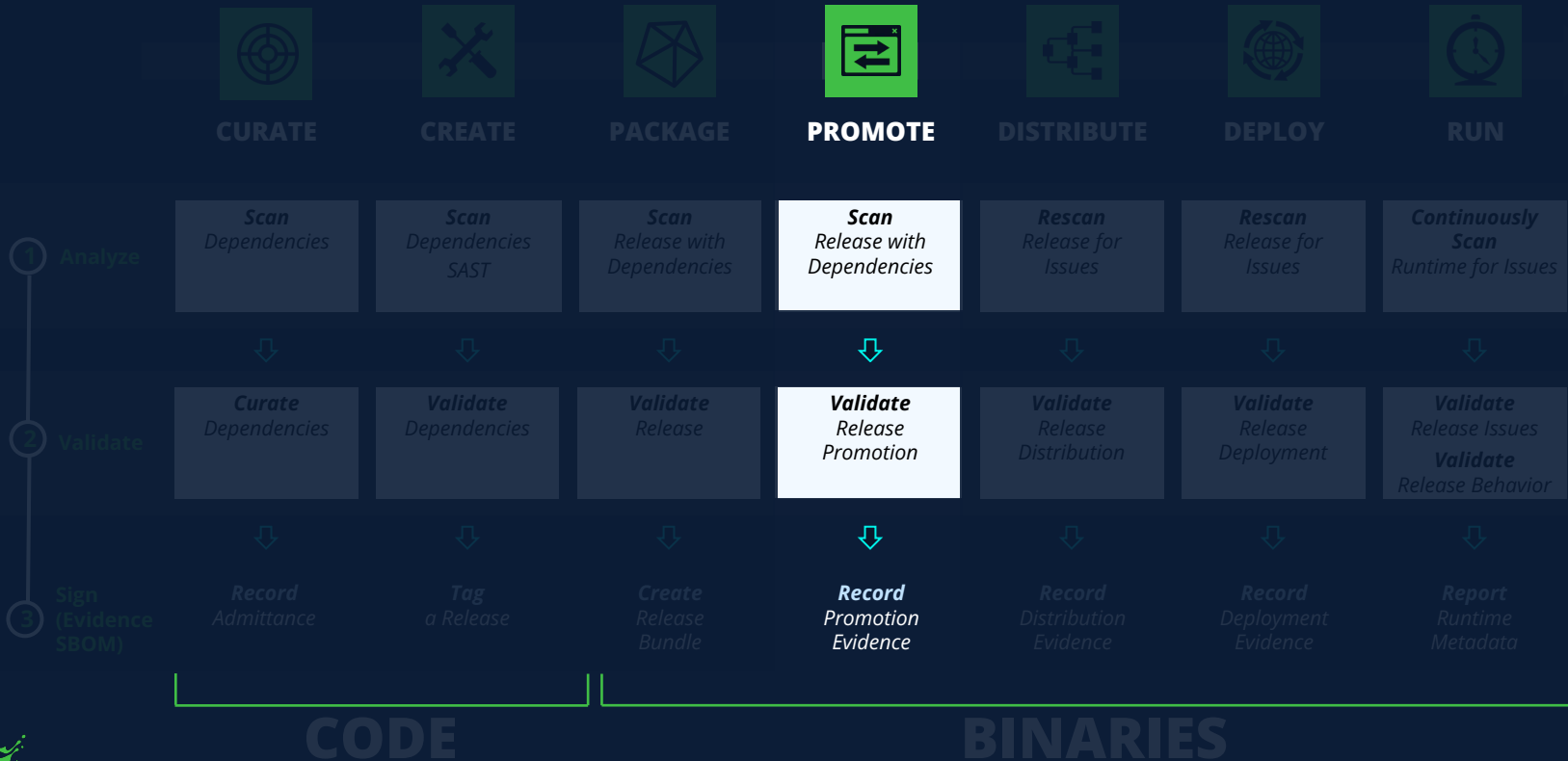
THE MOVE TO RELEASE-FIRST APPROACH



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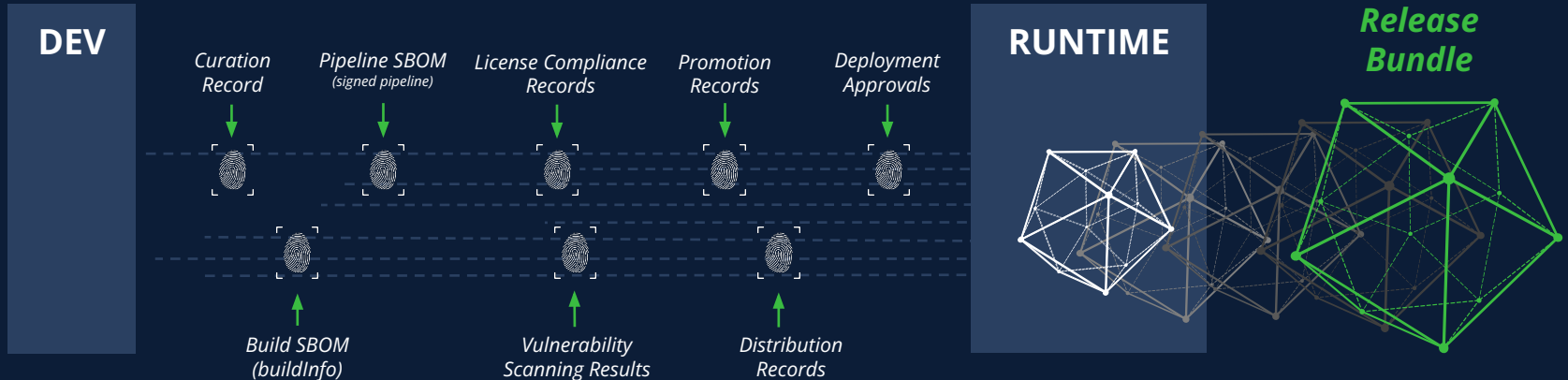


THE MOVE TO RELEASE-FIRST APPROACH



RELEASE-FIRST LIFECYCLE MANAGEMENT

THE ROAD TO TRUSTED RELEASES



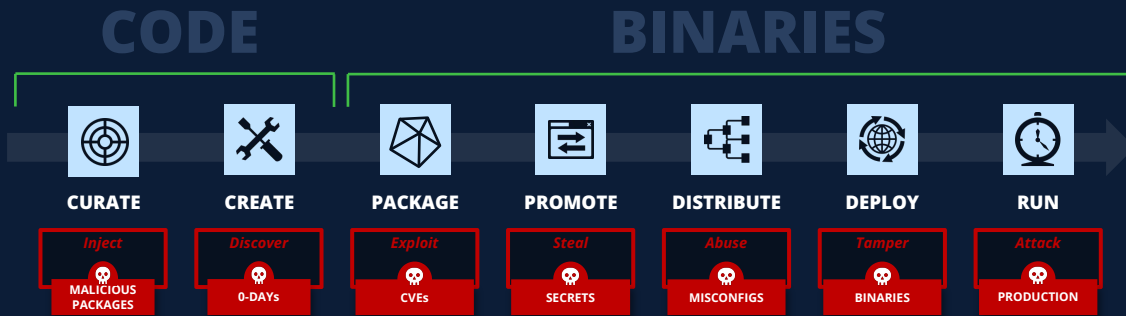


DEVOPS

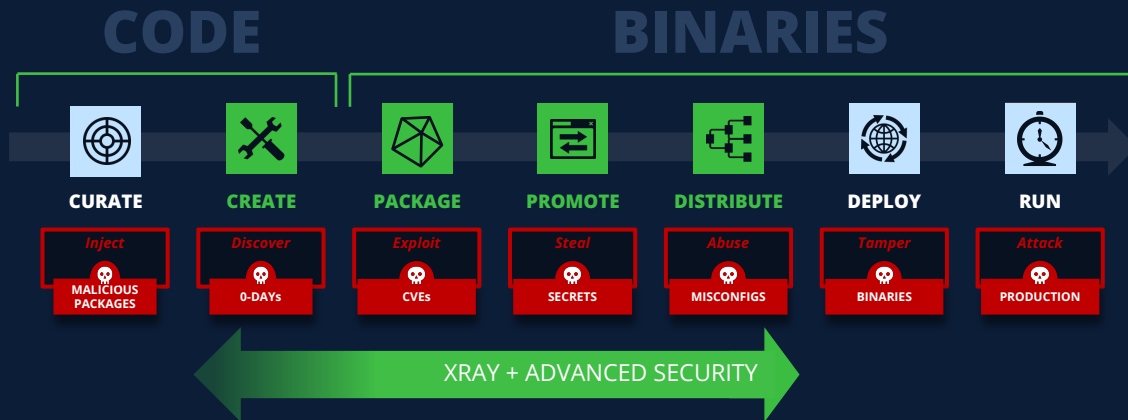
DEVSECOPS

MLOPS

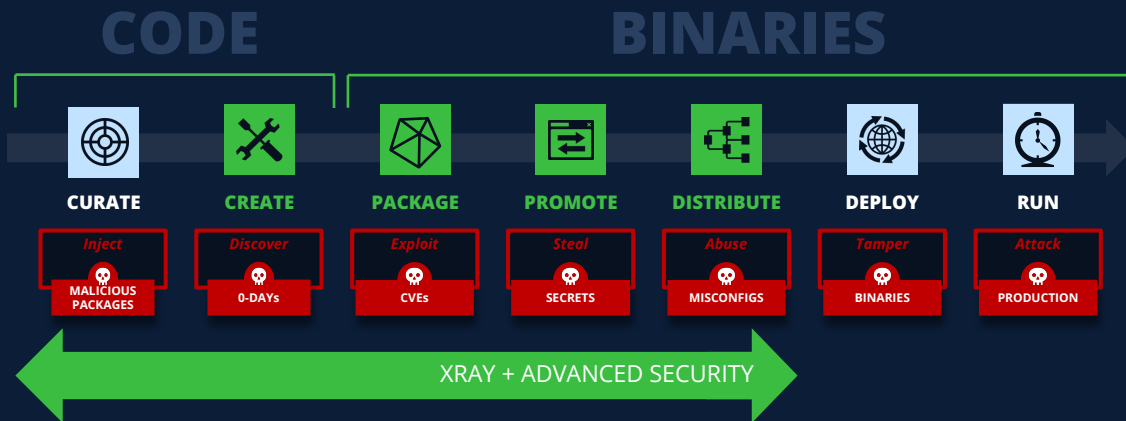
RELEASE-FIRST SECURITY-INJECTED PLATFORM



RELEASE-FIRST SECURITY-INJECTED PLATFORM



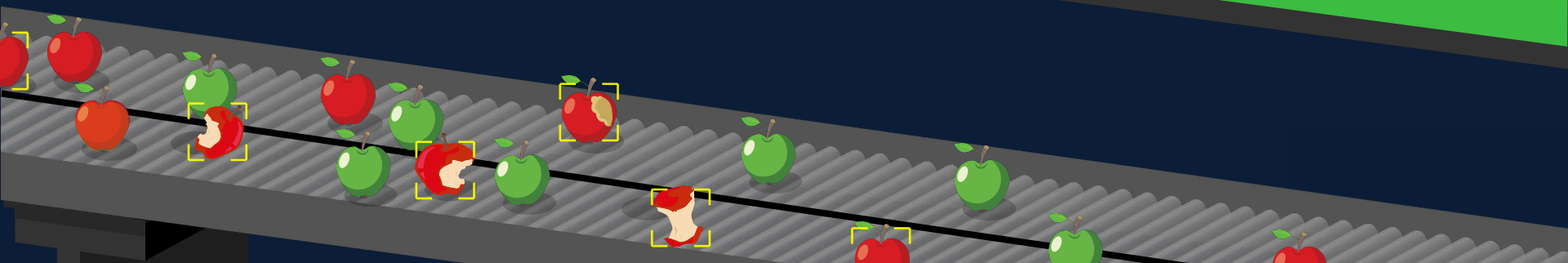
SHIFTING SECURITY LEFT



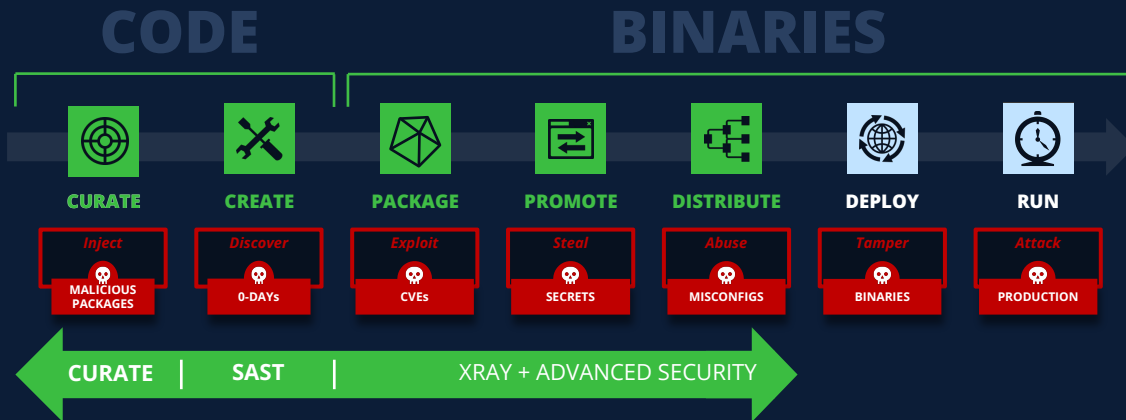
QUALITY CONTROL vs QUALITY ASSURANCE

Package Curation

Blocking unwanted software components from entering your SSC



RELEASE-FIRST SECURITY-INJECTED PLATFORM



“LEFTER” THAN LEFT: SECURING THE DESKTOP

SEAMLESS INTEGRATION WITH JFROG AS THE ORGANIZATION'S **SINGLE SOURCE OF TRUTH**



CONTROLLING THE DEVELOPMENT ENVIRONMENT

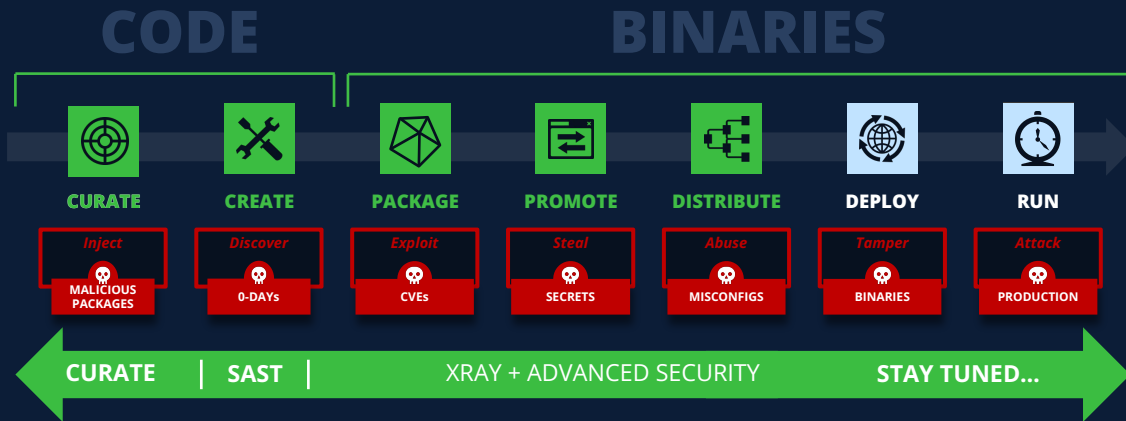




DEMO



RELEASE-FIRST SECURITY-INJECTED PLATFORM





DEVOPS

DEVSECOPS

MLOPS

BY 2027

OVER
90
%

*of new software applications will contain **ML Models or services** as enterprises utilize the massive amounts of data available to the business.*

Gartner®

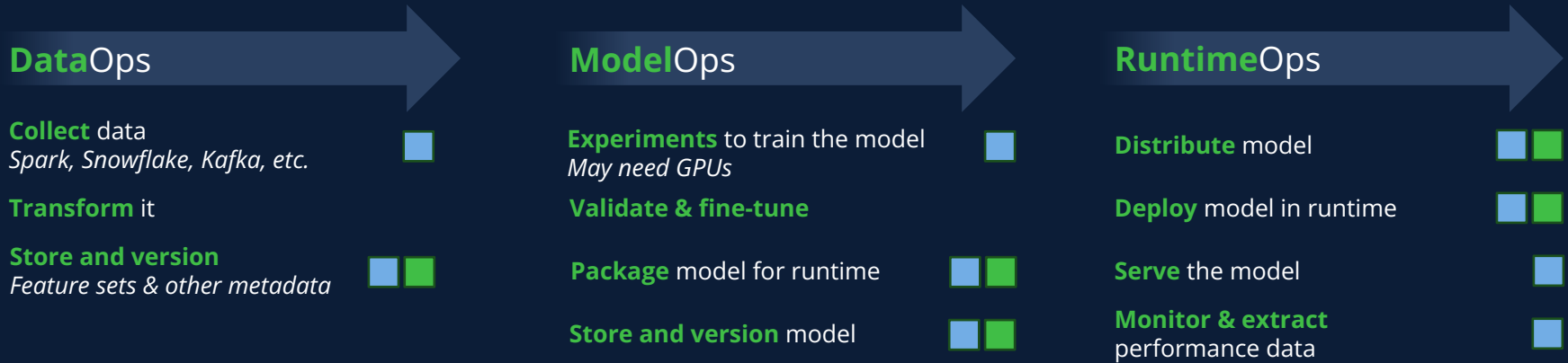
Gartner, "A Mandate for MLOps, ModelOps, and MLOps Coordination," Nov. 22,



Transition – Maybe Board Slide



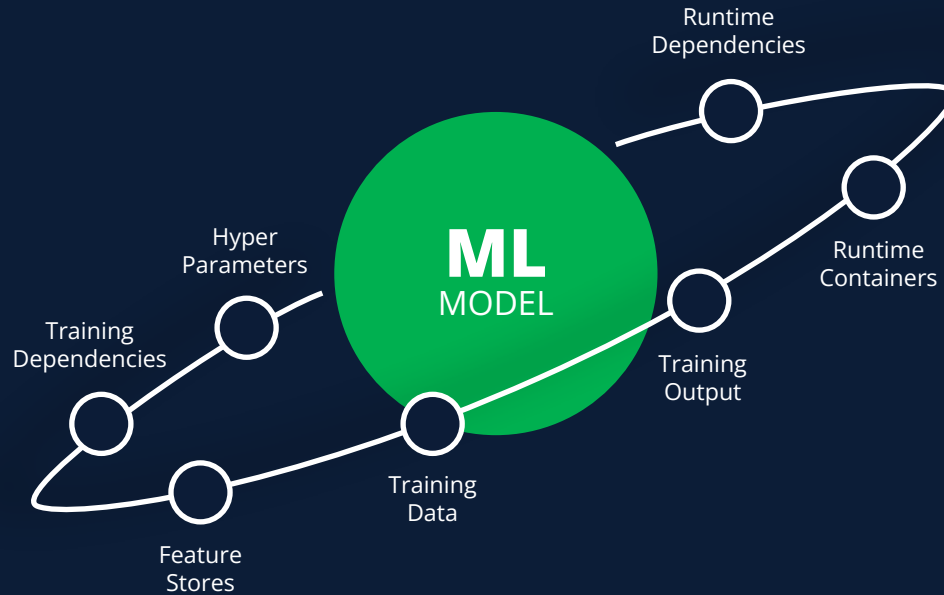
MLOPS BRIDGING THE AUTOMATION GAP



■ DevOps Automation
■ JFrog Platform Integration

MLOPS THE MODEL++

MODEL FILES ARE BINARIES MANAGED HOLISTICALLY WITH OTHER BINARIES



TRUSTED, SECURE ML MODELS

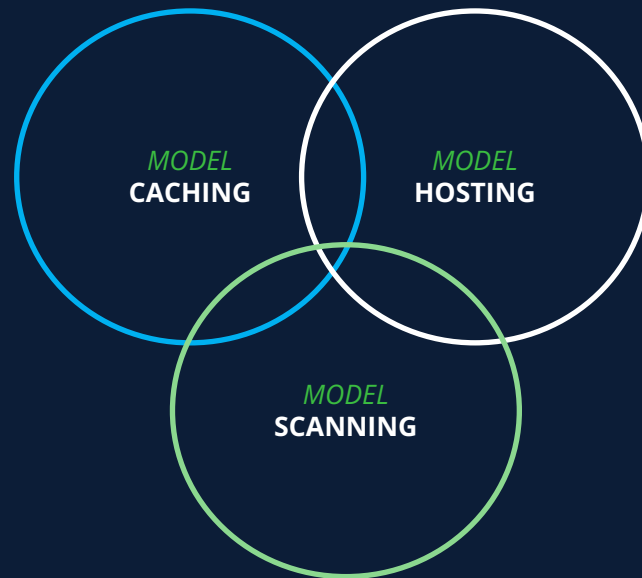
BRINGING DEVOPS & DEVSECOPS SOFTWARE SUPPLY CHAIN PROCESSES TO MLOPS

MLOPS

MLOPS IN THE JFROG PLATFORM

Smart model registry with integrated security

- Model versioning
- Model sharing
- Model++ release bundling
- Model traceability
- Remote model hosting
- Model vulnerability scanning
- Model license scanning



END TO END



CURATE



CREATE



PACKAGE



PROMOTE



DISTRIBUTE



DEPLOY



RUN

SECURE SSC PLATFORM