

# Enterprise DevOps Transformation Peter Tiegs (Principal Engineer) Lynn Coffin (SCPM, PMP)

DEVOPS

by CloudBees



### The SKU Explosion



Combination of SKU and OS Variants ~20x increase in the validation surface area



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## **Enterprise DevOps Program**

DEVOPSWORL D

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- Systems Engineering Drives the standard data model and process for design, definition and requirements execution for Platform Software
- Source & Build Standard tools, processes and enterprise supported HW that brings convergence across Platform Software
- Test & Release Standardizing, simplifying and scaling test processes and release channels for Platform Software

Release to OEM

Modernizing the platform software engine to deliver quickly with a cornerstone of quality

#### **Fundamental Toolchain**

- Inner Sourcing
- Binary Storage
- Shared Worldwide Hybrid Cloud
- Reusable Libraries
  - Abstract Build Interface (ABI) to cover common pipeline tasks
  - Python library and Pipeline \* library

Remove the barriers for adoption





\* Other names and brands may be claimed as the property of others.

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#### Implementation – How Did we Get there?

- Get Started
- Managing Change
- Deliberate Approaches
- Communicated End State

- Measurable Successes
- Iterative Delivery
- Reflection
- Executive Champion





#### Results - Its Worth the Work!



- > 50 Platform Driver Teams Sharing Source
- Thousands of developers can collaborate on Shared Source
- Abstract Build Interface Driving Build Standardization in Cloudbees Jenkins
- DevSecOps Pipeline
- Linux and Windows Containers



# FIN

