





Redeploy Everywhere Daily



Solid Baseline



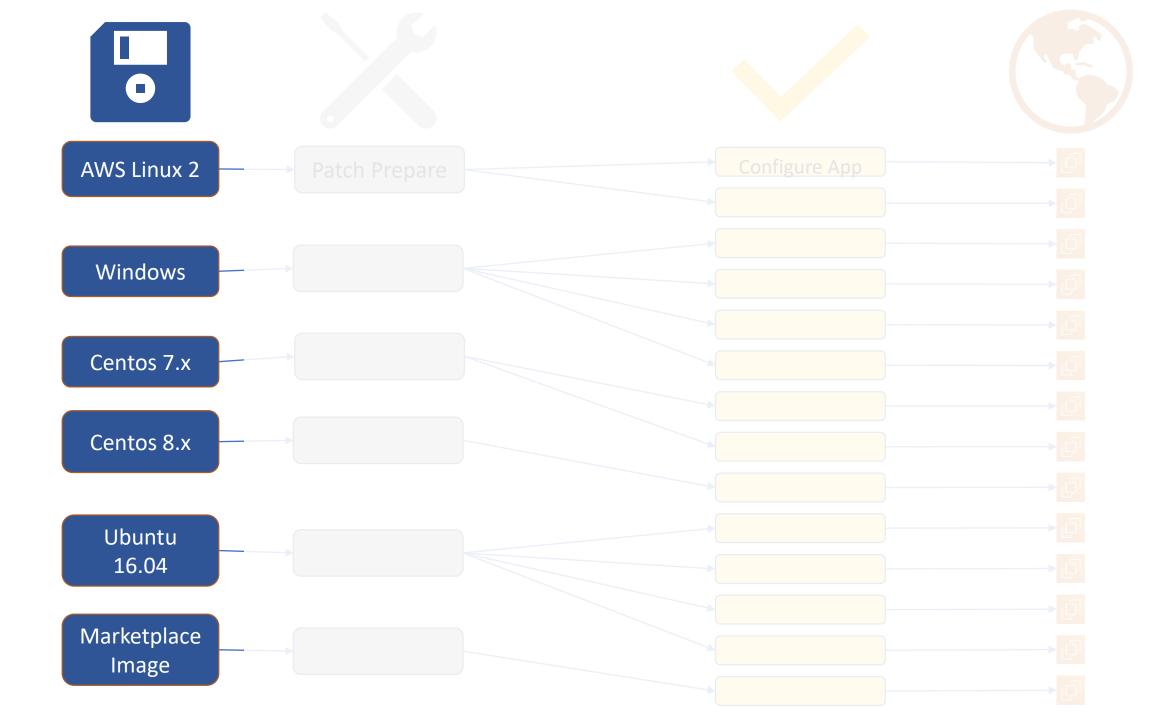




Start with a Solid VM Baseline

- Cloud Service Provided
- Marketplace
- Shared by Stranger
- On Prem







Solid Baseline



Patch and Prepare

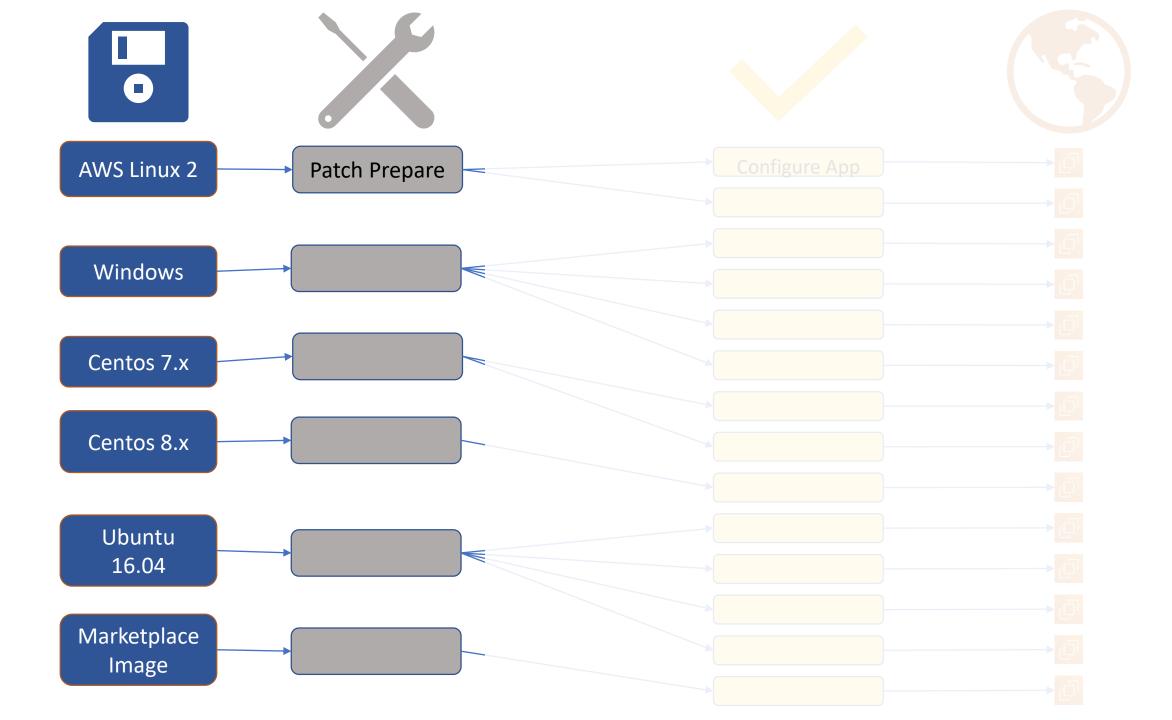






Patch and Prepare

- Prepare image for security and operational requirements
- CIS Benchmarks are a great place to start
- Enforce security policies through code
- Dev teams build off these images





Solid Baseline



Patch and Prepare



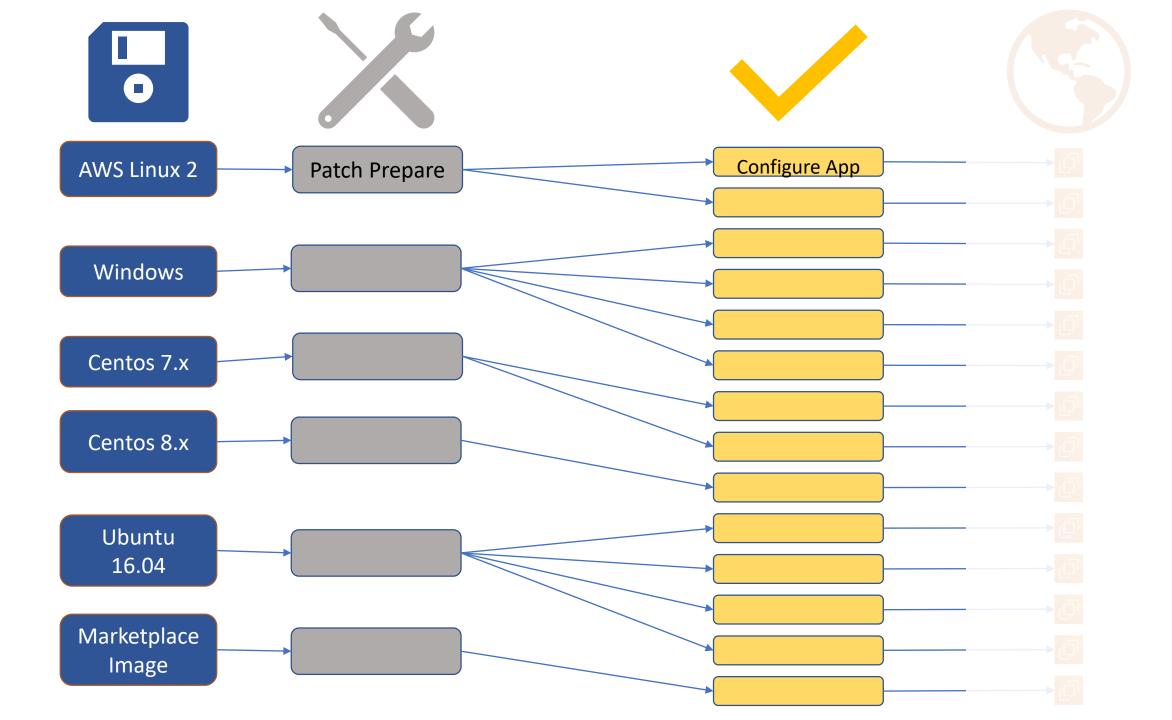
Deployable Image



Deployable Image

- Install required libraries and configs
- Deploy app right from source control
- Test now, before deployments
- Save Image, deploy when needed







Solid Baseline



Patch and Prepare



Deployable Image

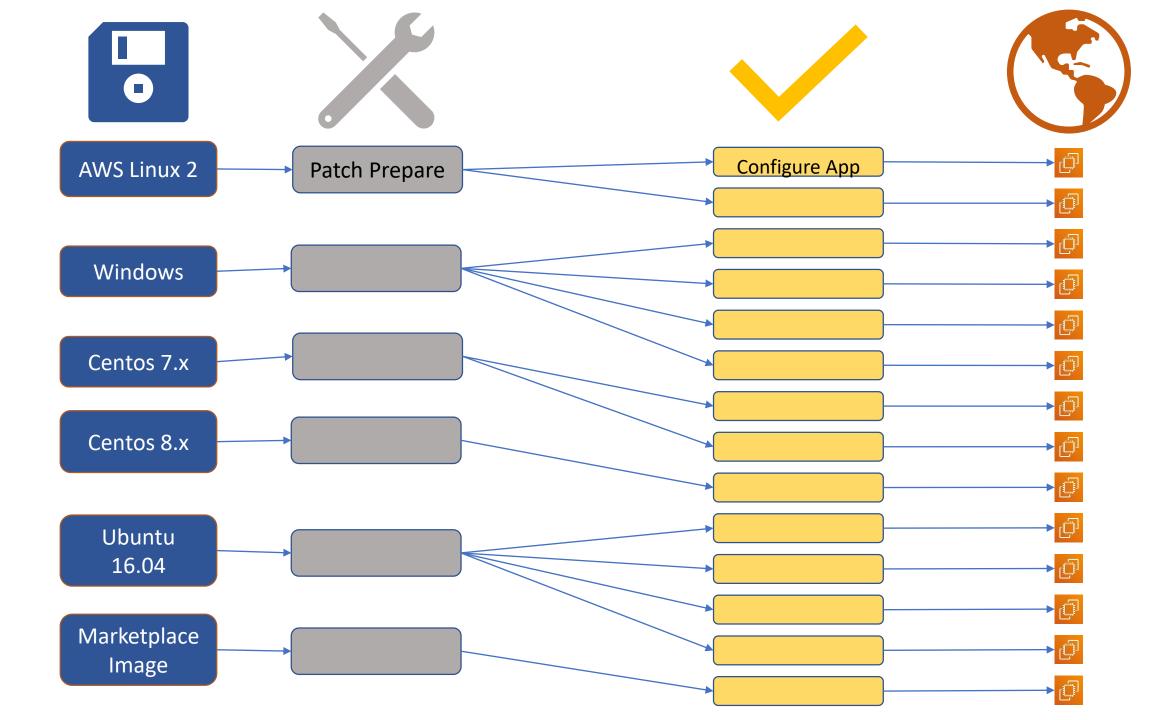


Redeploy Everywhere Daily



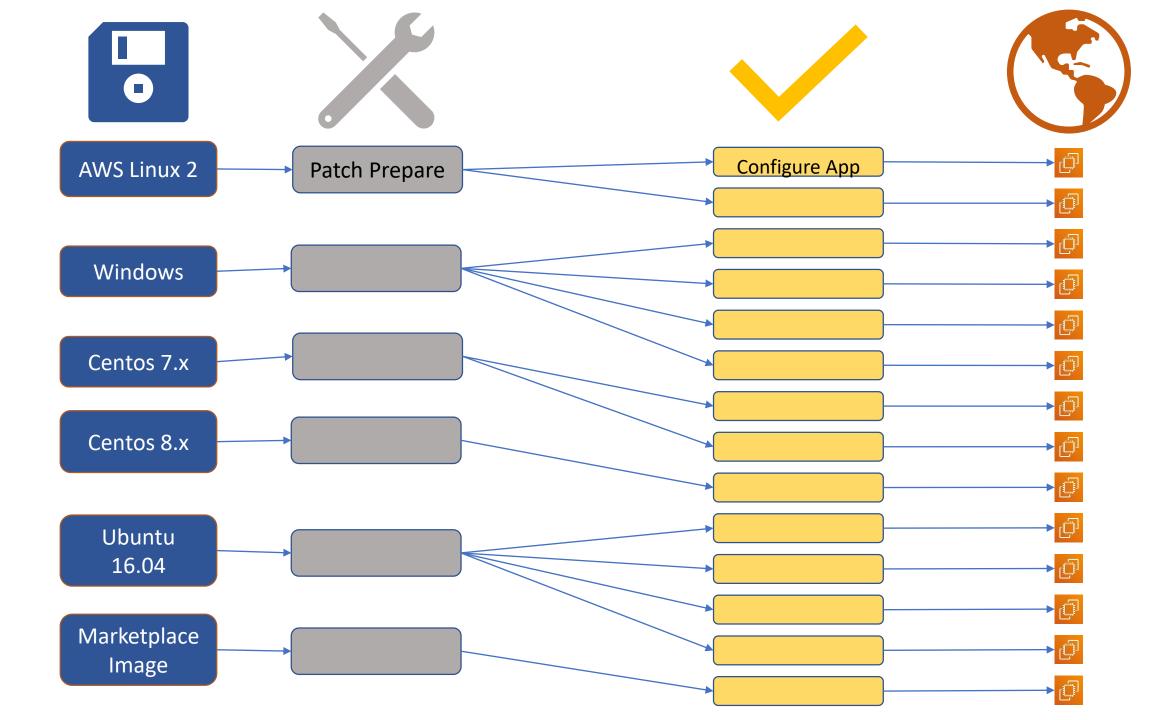
Redeploy Everywhere Daily (or weekly) (or whenever)

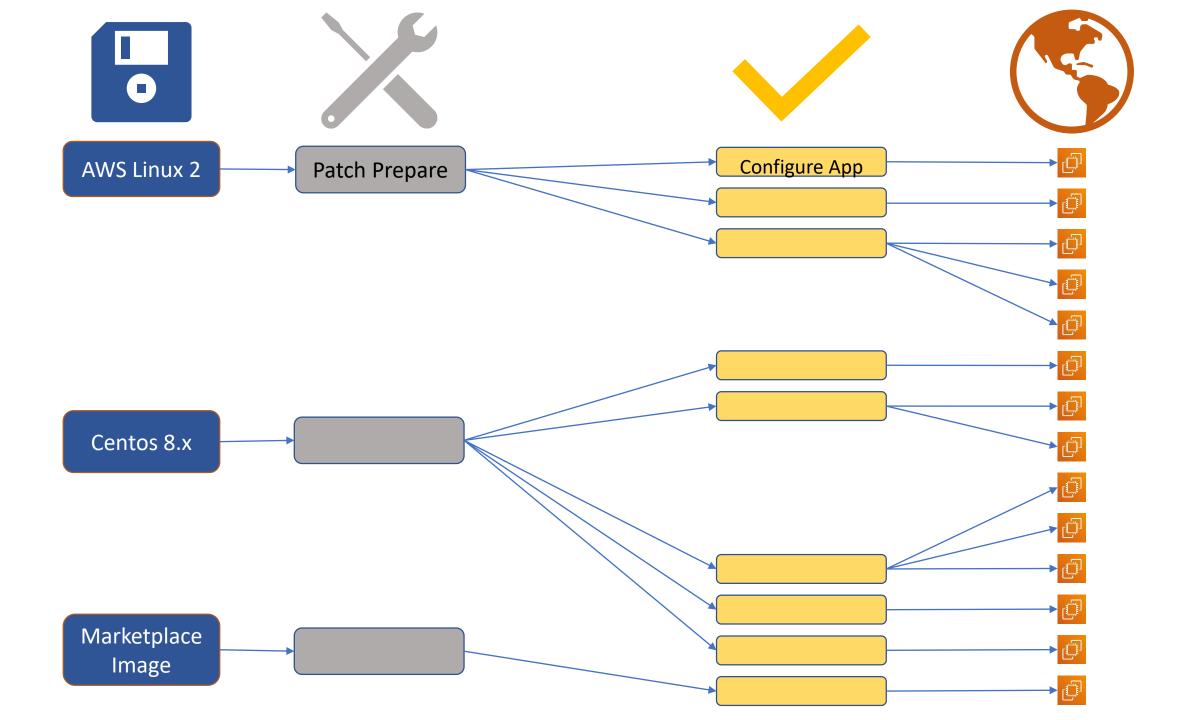
- Never Patch a live system
- Deploy new images with Cloud service provider's Elasticity tools.
- Destroy and Redeploy on schedule
- Do you need to scan?



Making the Pipeline Smoother

- Simplify where possible
- Build in Monitoring and Response
- Offload to the CSP where you can
- Fail Fast and Learn





Making the Pipeline Smoother

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Definition document Info

This defines the actions for Image Builder to perform on your image. It uses the YAML format to list customizations steps on to be executed.

 Define document content
 Specify content in YAML. Ouse build component example Content can be

edited inline.

Ouse test example
Content can be edited inline.

Content

```
name: HelloWorldTestingDocument
description: This is hello world testing document.
schemaVersion: 1.0

phases:
    - name: test
    steps:
    - name: HelloWorldStep
    action: ExecuteBash
    inputs:
    commands:
    - echo "Hello World! Test."
```

Define a component that builds or tests

Build components Info

Build components contain software, settings, and configurations to be installed or applied. Build components are included in the recipe and are run during the process of building custom images.

Create build component <a>[∑]

Browse to select build components

Enter component ARN or browse to select compo

Browse build components

Tests Info

You can select from AWS-provided test or create custom tests to validate your images. Tests are run after a custom image is built to validate functionality, security, performance, etc.

Create test 🖸

Browse to select tests

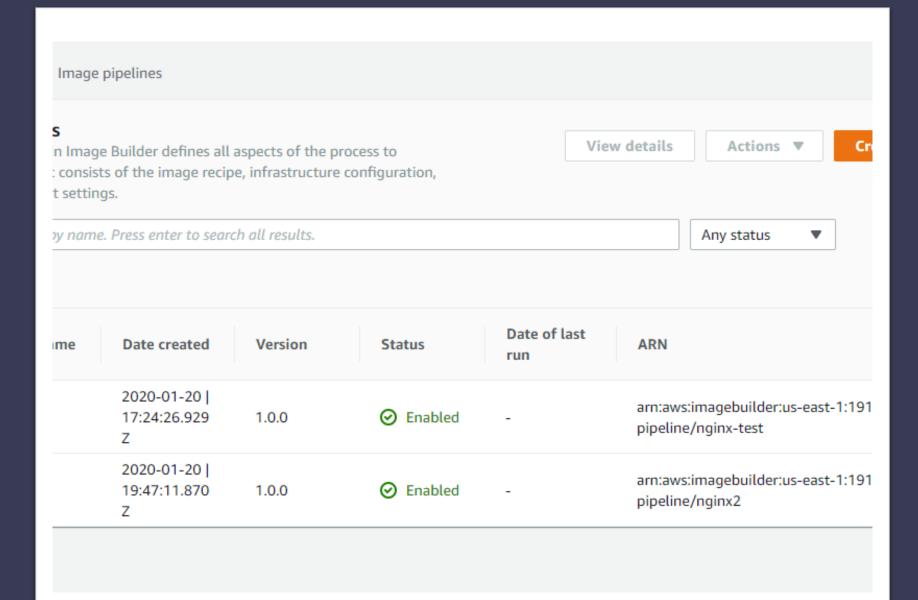
Enter component ARN or browse to select compo

Browse tests

Cancel

Next

Grab components for building, and testing



Each
pipeline
outputs a
new AMI on
a schedule

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