



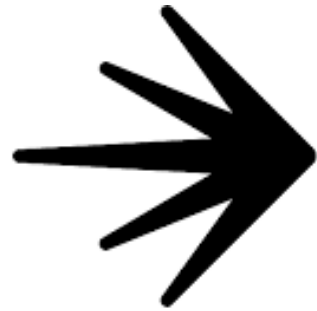
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Win the **DevOps** race
with
Feature Flagging



LaunchDarkly



Speed is a driving competitive force in your organization



**To Win you need to move
faster**

Remove the hand-off to **Win**

Do you really need it?

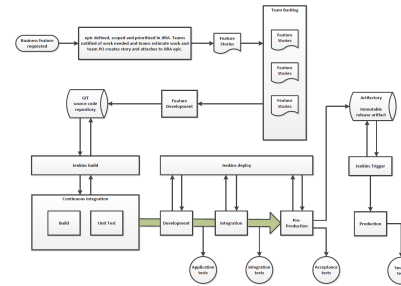


**You Lose the Race with the
Hand-off**

HOW are we removing the Hand-off



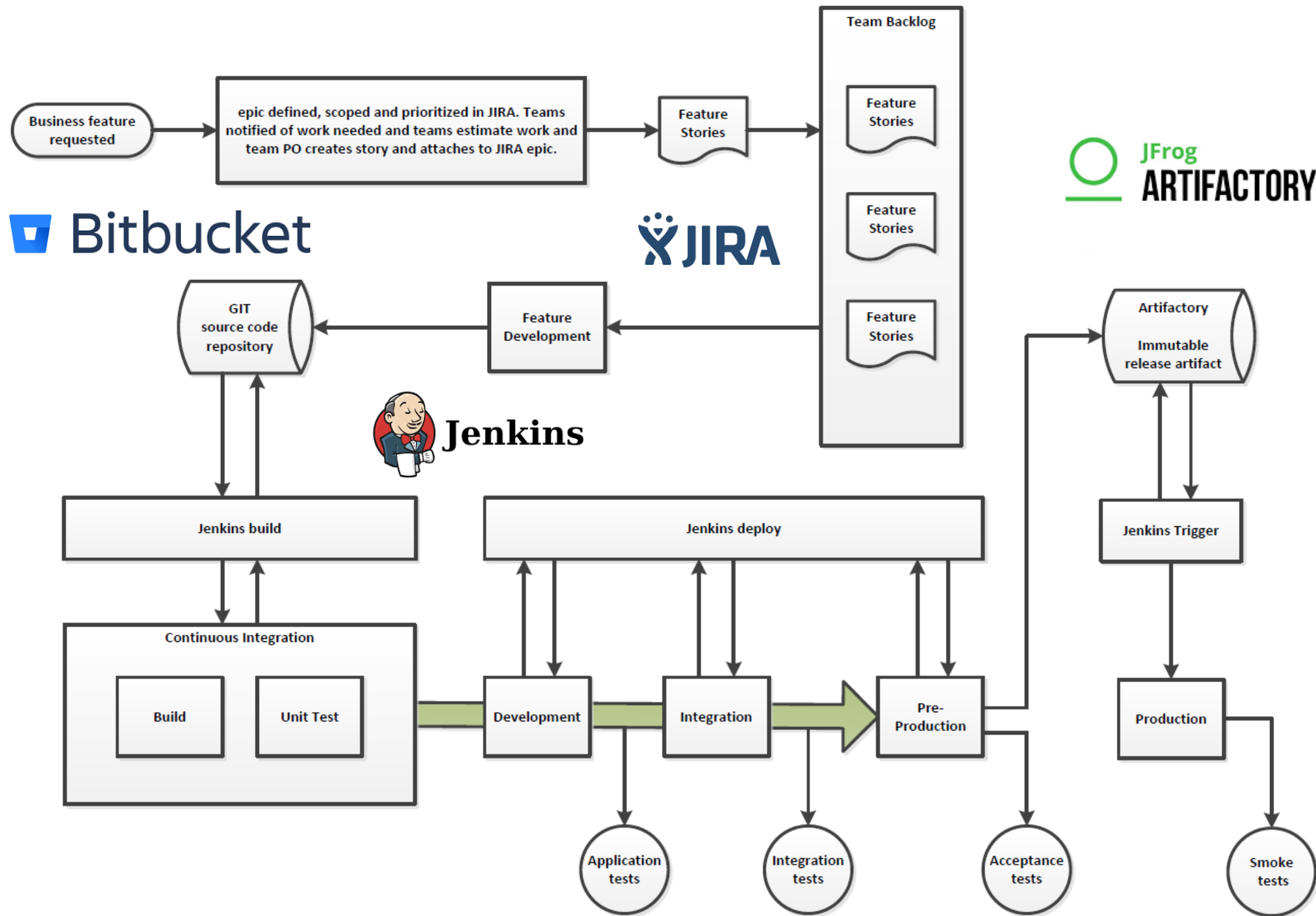
- Choosing “Best of Breed” solutions
- Reducing the risk of failure
- Transforming our practices



DevOps Architecture



DevOps Architecture



What are we doing to remove the Hand-off

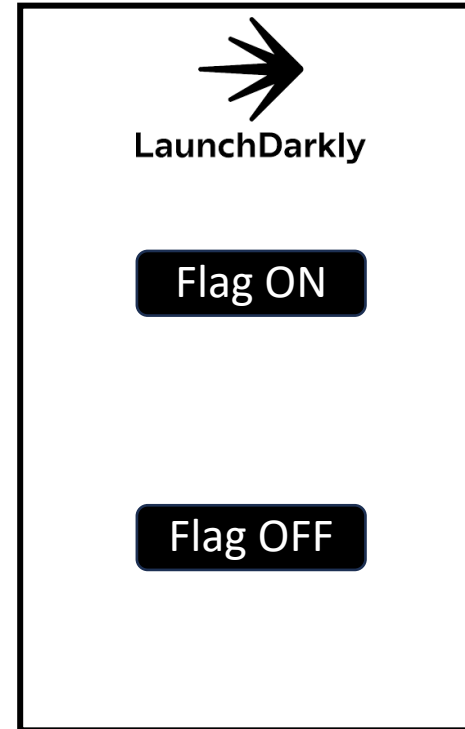
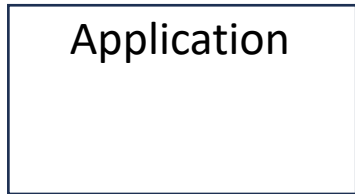
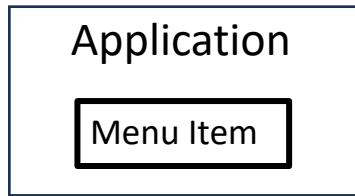


- Feature Flagging
- Cloud Migration Flagging

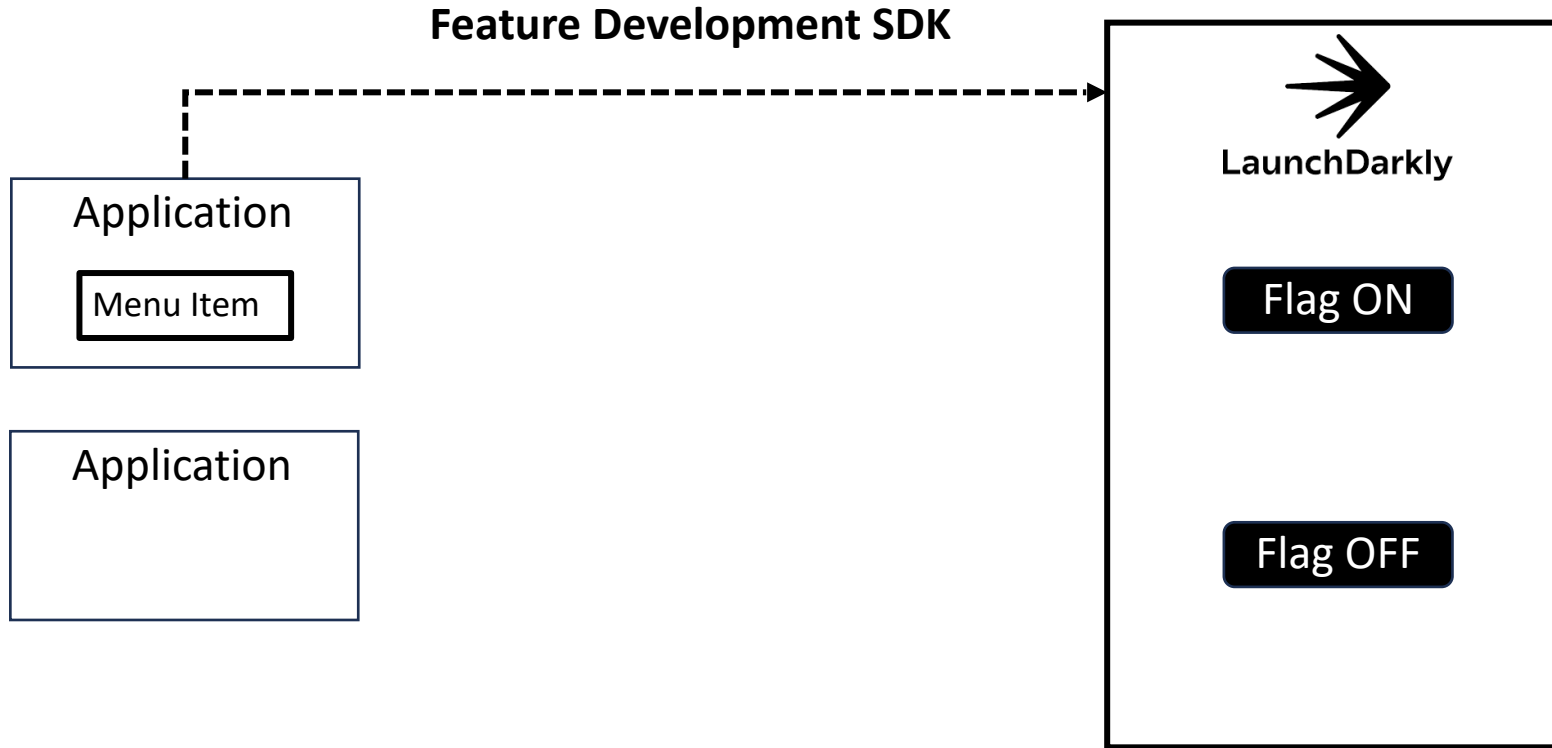
Feature Flagging



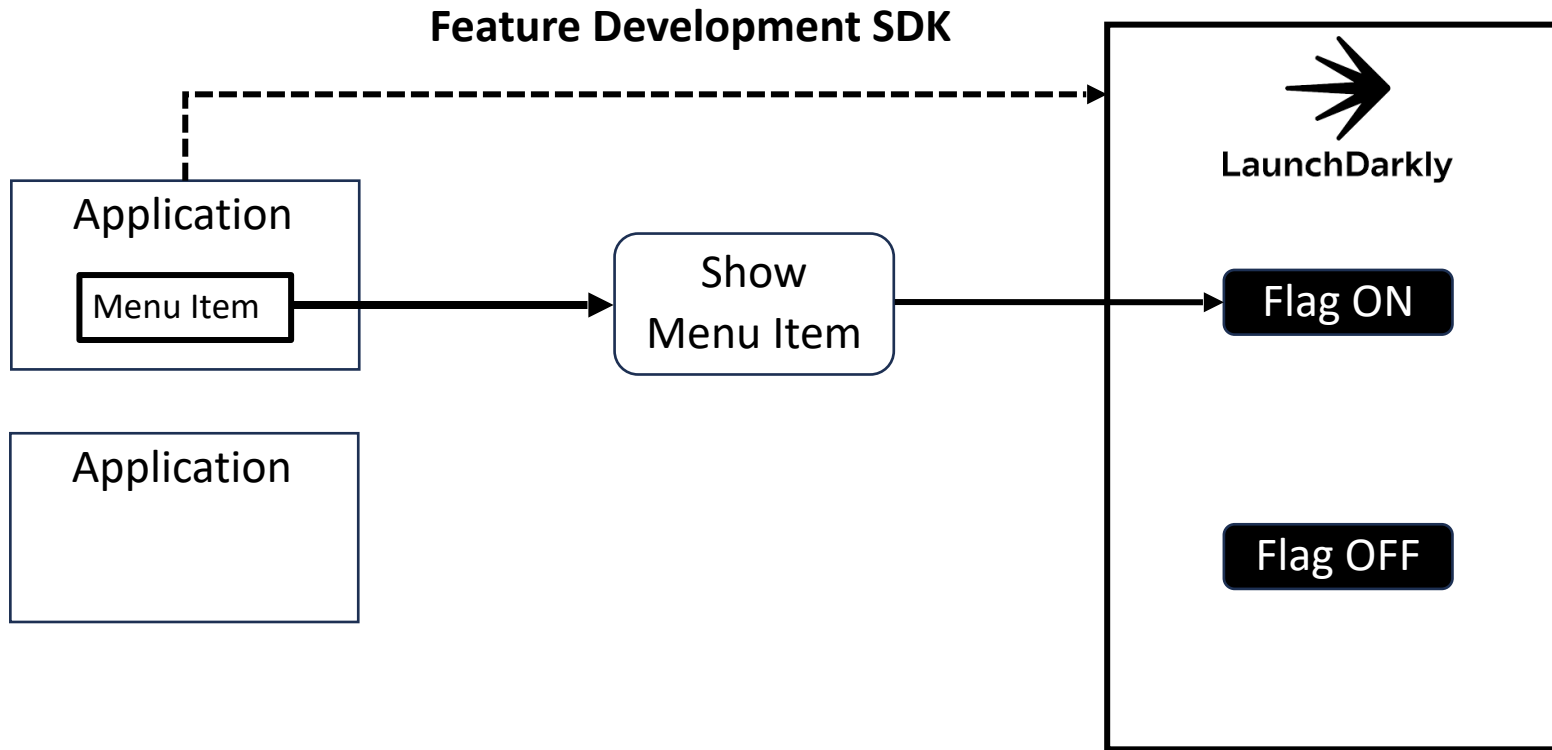
Feature Flagging



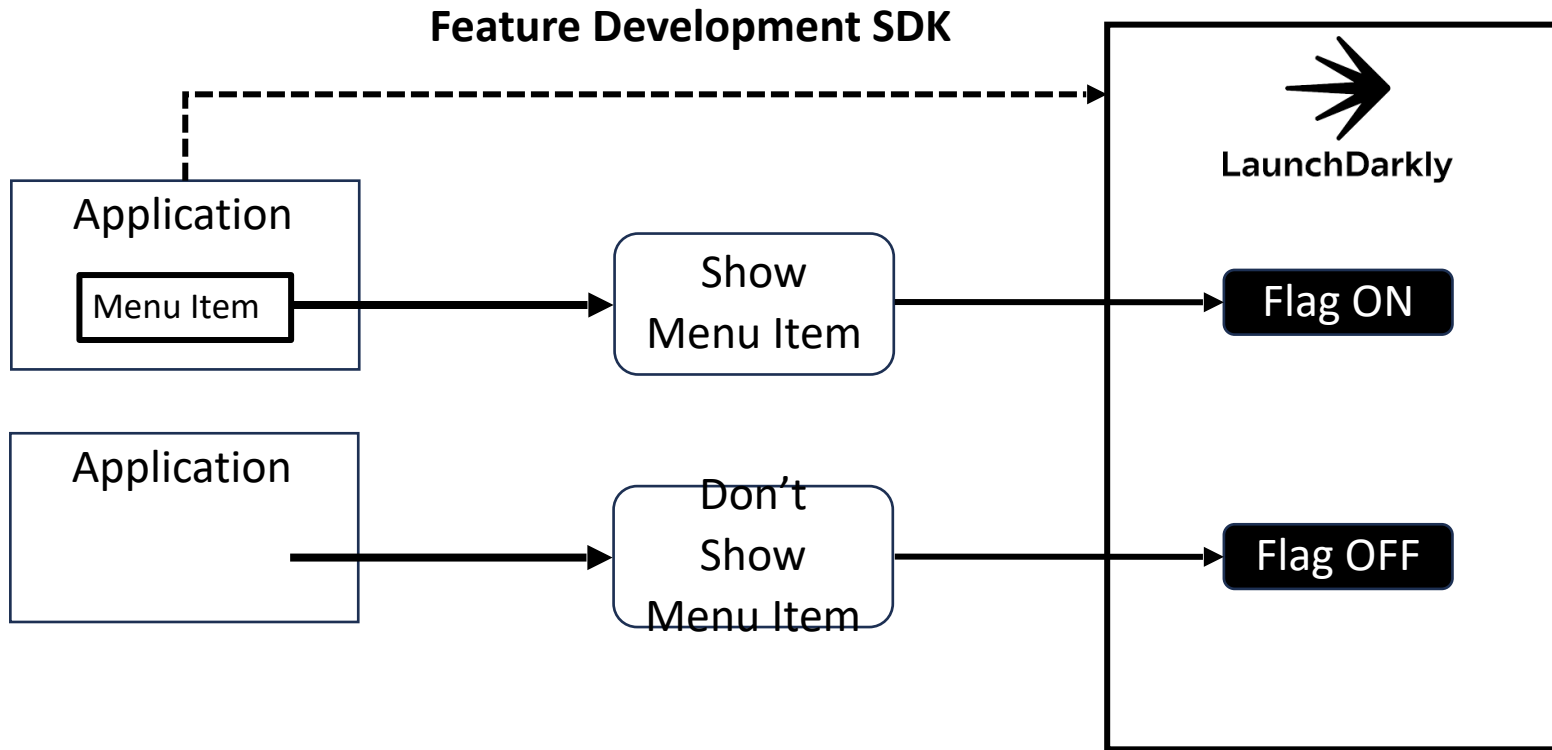
Feature Flagging



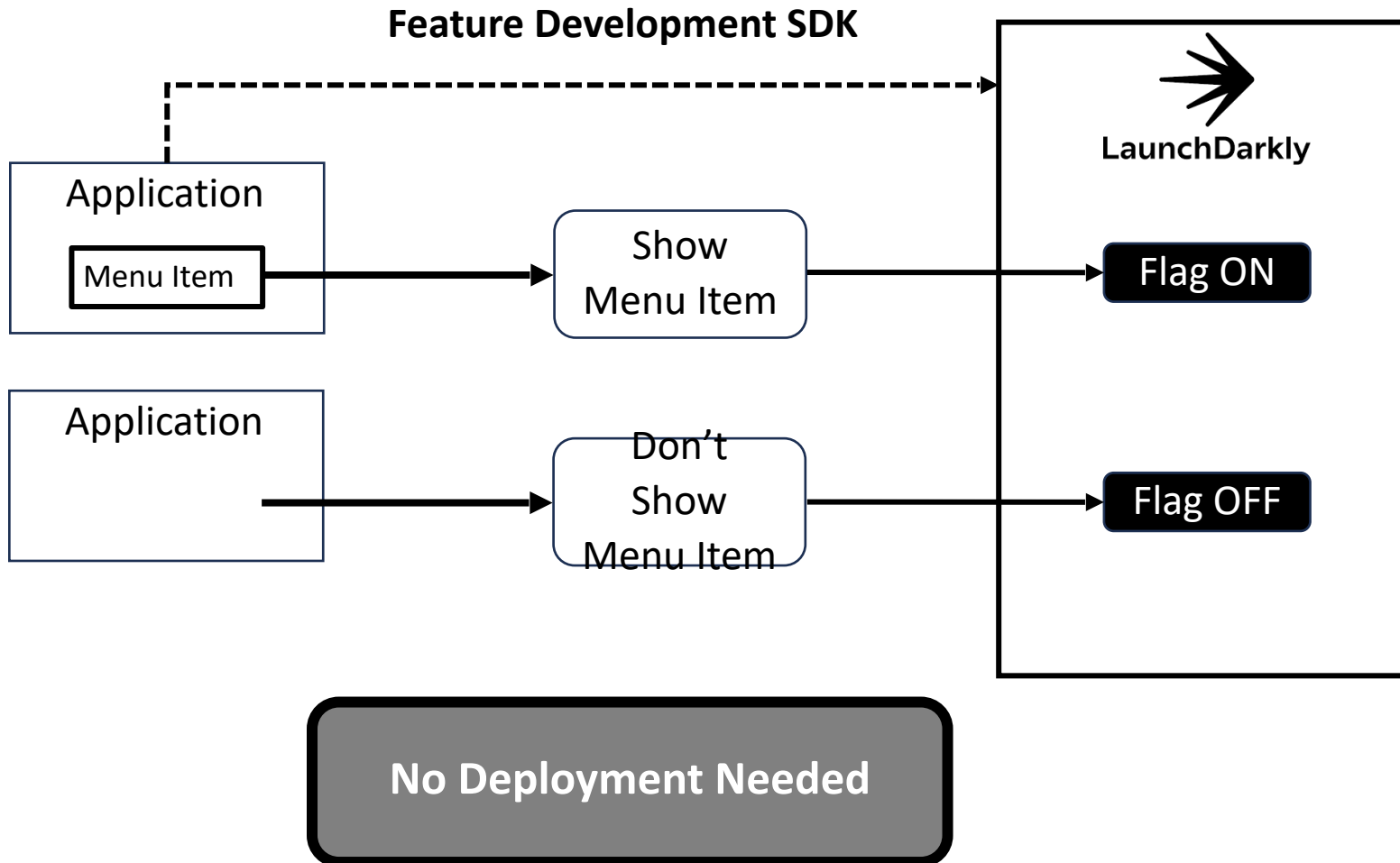
Feature Flagging



Feature Flagging



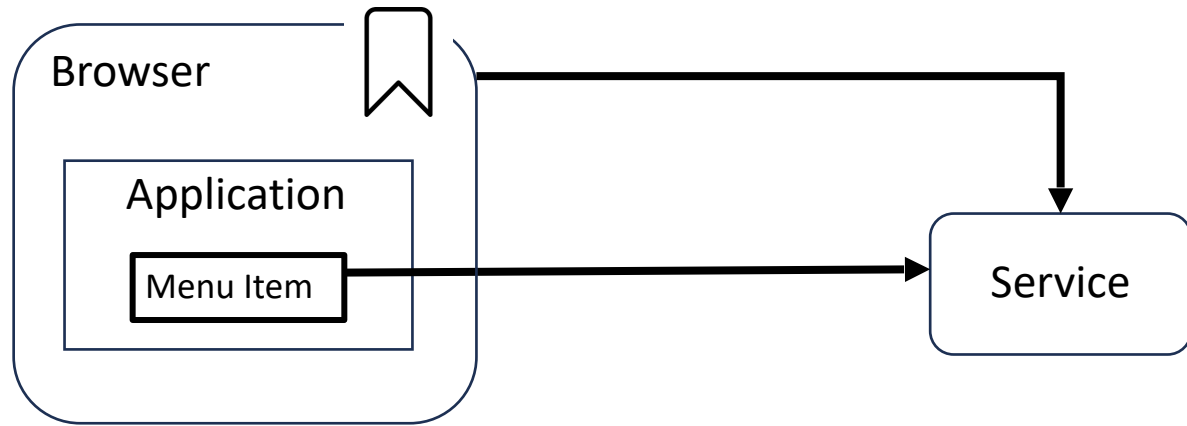
Feature Flagging



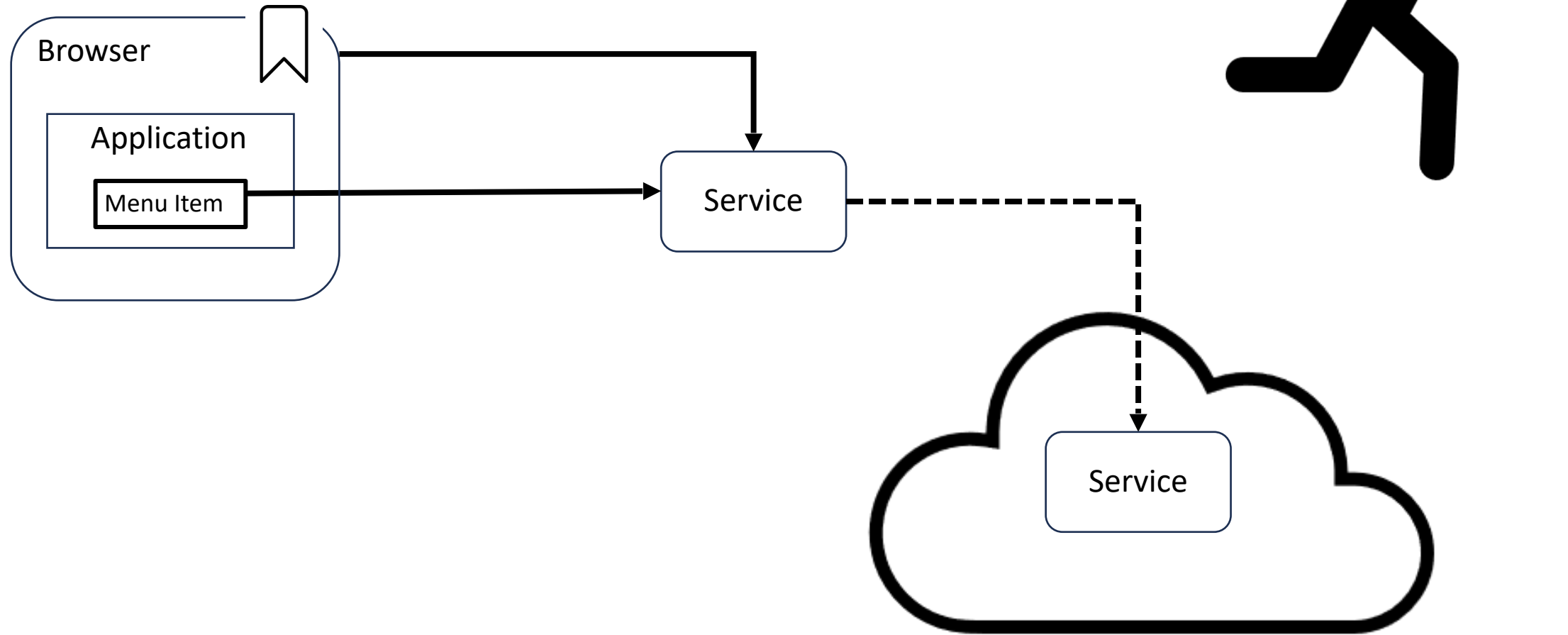
Cloud Migration



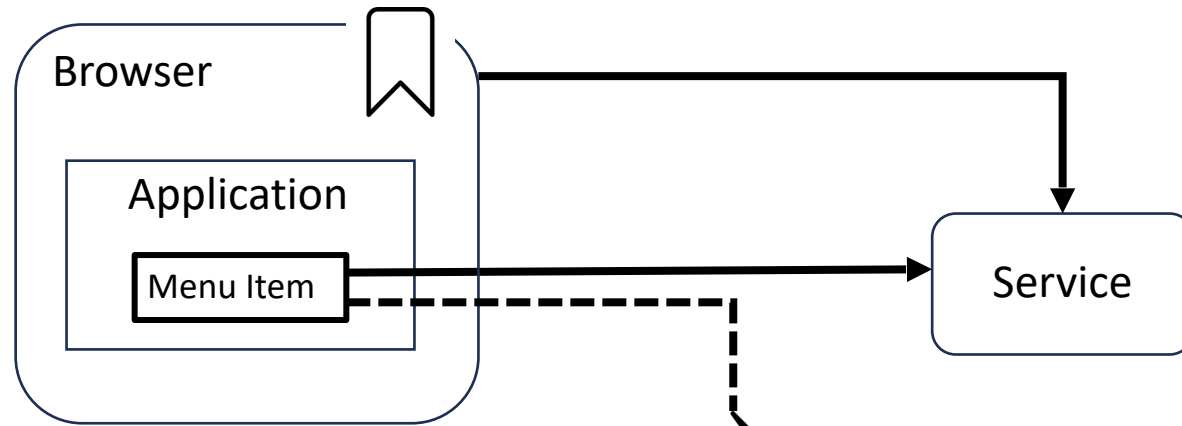
Cloud Migration



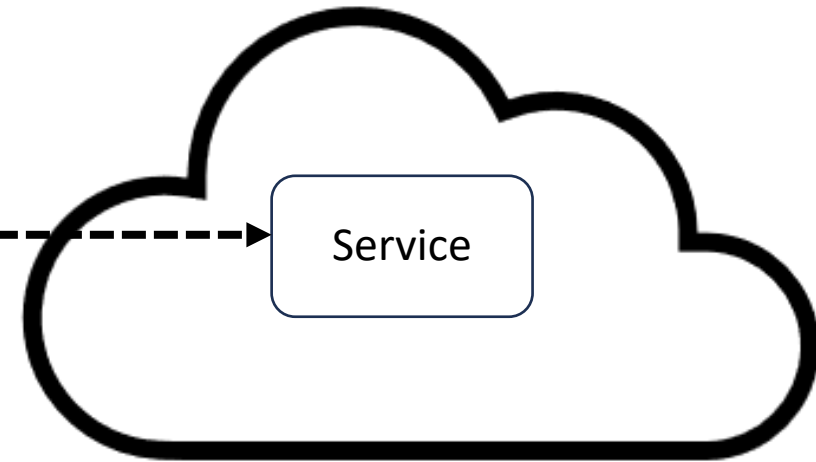
Cloud Migration



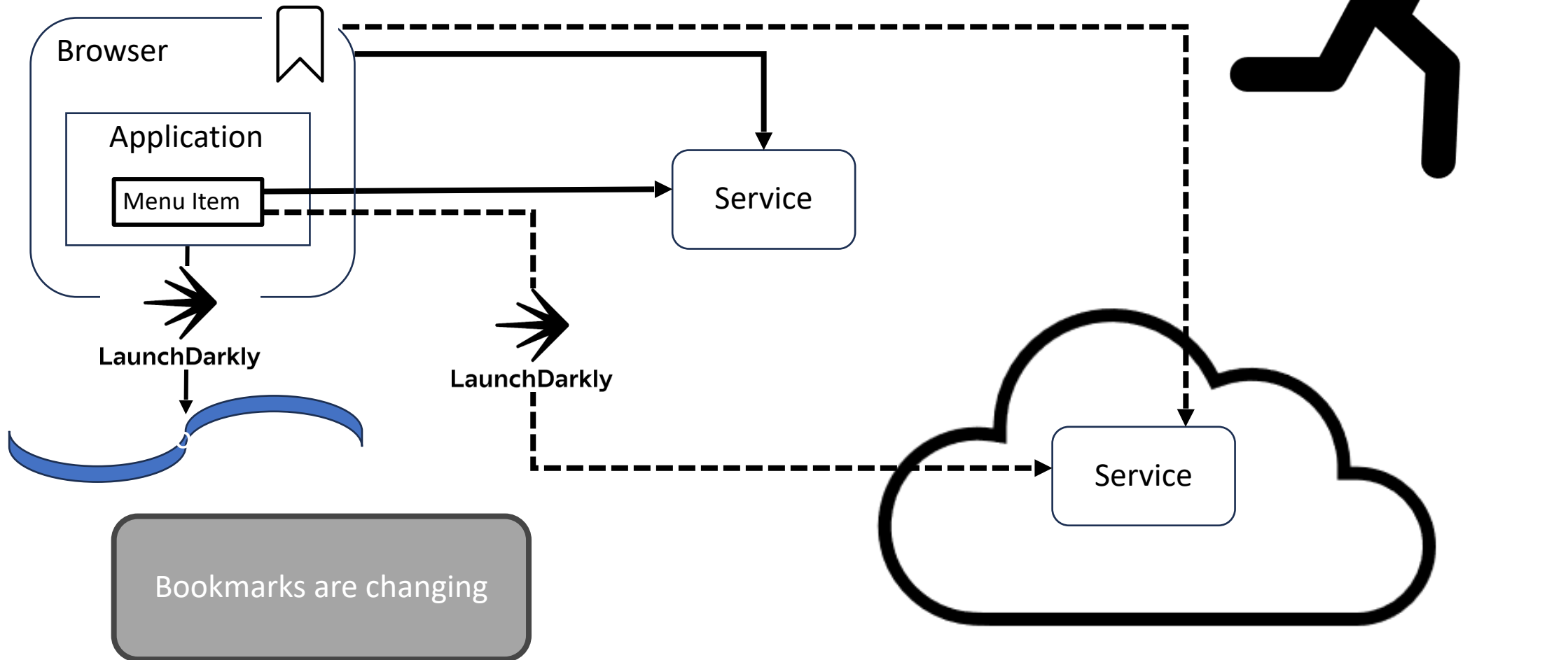
Cloud Migration



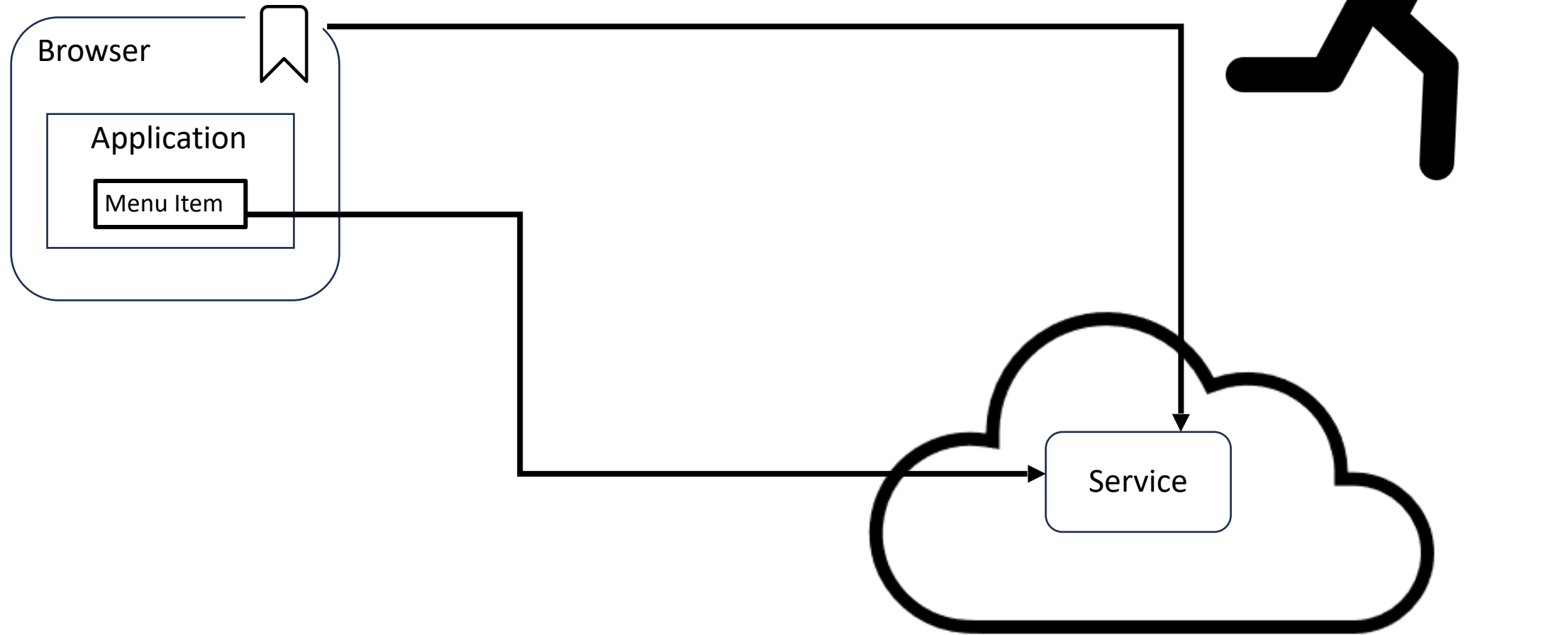
LaunchDarkly



Cloud Migration



Cloud Migration



Cloud Migration

Define a new flag

```
1 1 package com.shelter.ecom.feature.model.enums;
2 2
3 3 public enum ChukarFeatureFlag {
4 + CHUKAR_LINKS_ROUTE_TO_AWS("route-to-aws"),
4 5 OTHER_LINES_LOCATION_SERVICES("location-services");
5 6
6 7 private final String key;
7 8
8 9 ChukarFeatureFlag(String key) {
9 10 this.key = key;
10 11 }
11 12
12 13 public String getKey() {
13 14 return key;
14 15 }
15 16 }
```

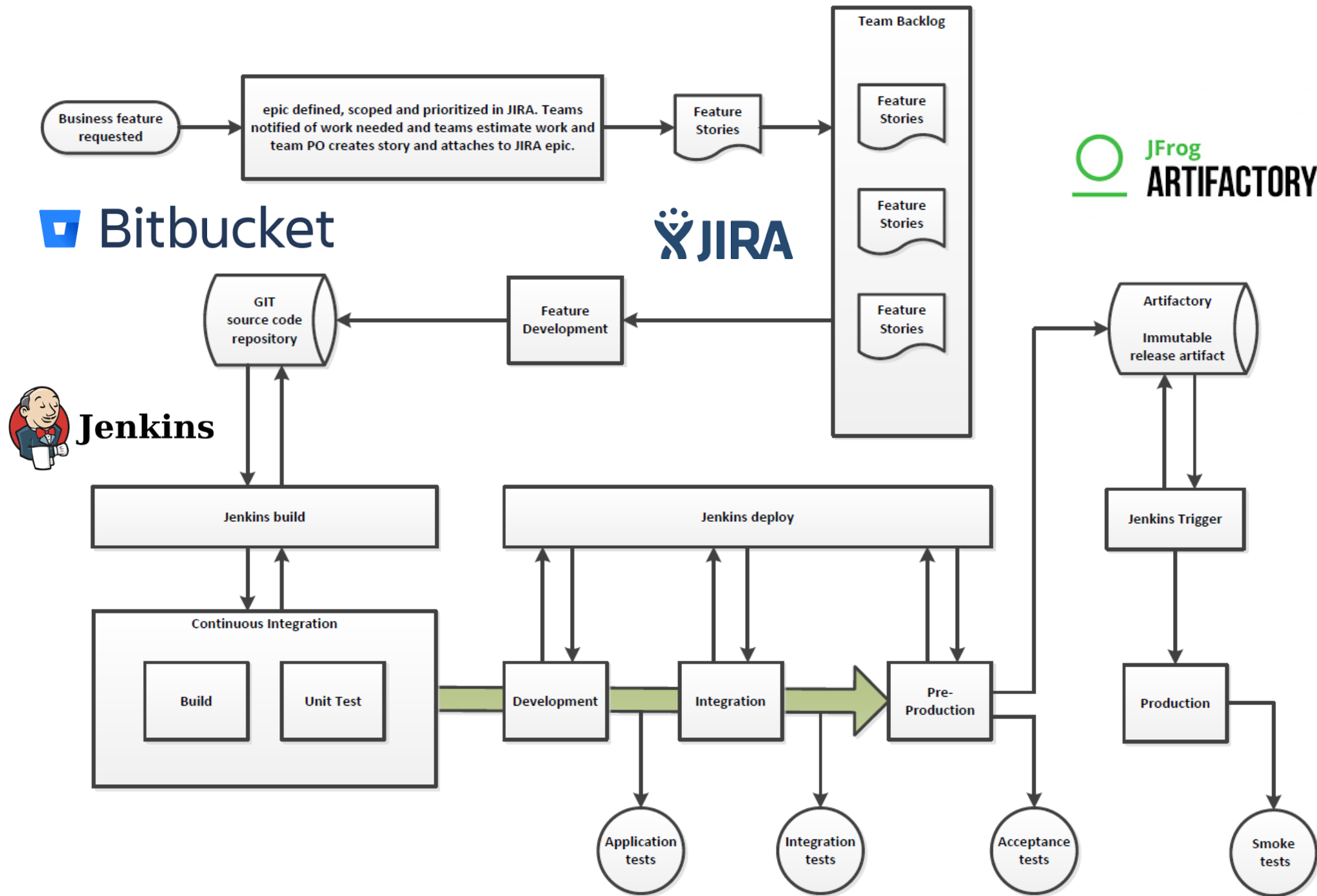
Define the end results of each flag's variation

```
309 309 UNIT_LifeEAppBaseUrl=https://life-eapp-unit.apps.pcf.d.shelterinsurance.com/
310 310 UNIT_LifePolicyMiddleLayerUrl=https://lifepolicyml-unit.apps.pcf.d.shelterinsurance.com/
311 311 UNIT_PDSURL=https://pdsd.shelterinsurance.com/pds/upload
312 312 UNIT_PullBobDataFromPamTables=TRUE
313 313 UNIT_RatingGatewayURI=http://rbcu.shelterinsurance.com:8080/
314 314 UNIT_DisplayPTRButton=TRUE
315 315 UNIT_ConsumerReportsBaseUrl=https://consumer-reports-unit.apps.pcf.d.shelterinsurance.com
316 316 UNIT_FileClaimBaseUrl=https://file-claim-unit.apps.pcf.d.shelterinsurance.com
317 317 UNIT_ProgressivePrefillServiceUrl=https://prefill-service-unit.apps.pcf.d.shelterinsurance.com/prefill-service/request
318 318 UNIT_PolicyHistoryURI = https://policy-history-mod1.apps.pcf.d.shelterinsurance.com/
319 + UNIT_PolicyHistoryAwsUri=https://policy-history-mod1.apps.pcf.d.us-east-2.shelterinsurance.com/
319 320 UNIT_TerminationRequestURI= https://termination-request-dev1.apps.pcf.d.shelterinsurance.com/create
320 321 UNIT_ACSUrl=https://auto-claims-service-dev1.apps.pcf.d.shelterinsurance.com
321 322 UNIT_DebugSessionSerializationAllowed=true
322 323 UNIT_FuturePaymentServiceUrl=https://future-payment-service-unit.apps.pcf.d.shelterinsurance.com/payments
323 324 UNIT_AgencyInquireUserIdsUrl=https://agencyinquire-unit.apps.pcf.d.shelterinsurance.com/sales/userIdInfo/agentNumber/
324 325 UNIT_MoratoriumServiceBaseUrl=https://moratorium-service-dev1.apps.pcf.d.shelterinsurance.com
325 326 UNIT_EDSBaseUrl=https://omidutil.shelterinsurance.com/EDSServices
326 327 UNIT_MortgageLookup=https://mortgagee-lookup-unit.apps.pcf.d.shelterinsurance.com/
327 328 UNIT_EndorsementLookupURI=https://endorsement-lookup-service-unit.apps.pcf.d.shelterinsurance.com/
328 329 UNIT_LifePolicyDataServiceUrl=https://lifepolicydataservice-unit.apps.pcf.d.shelterinsurance.com/
```

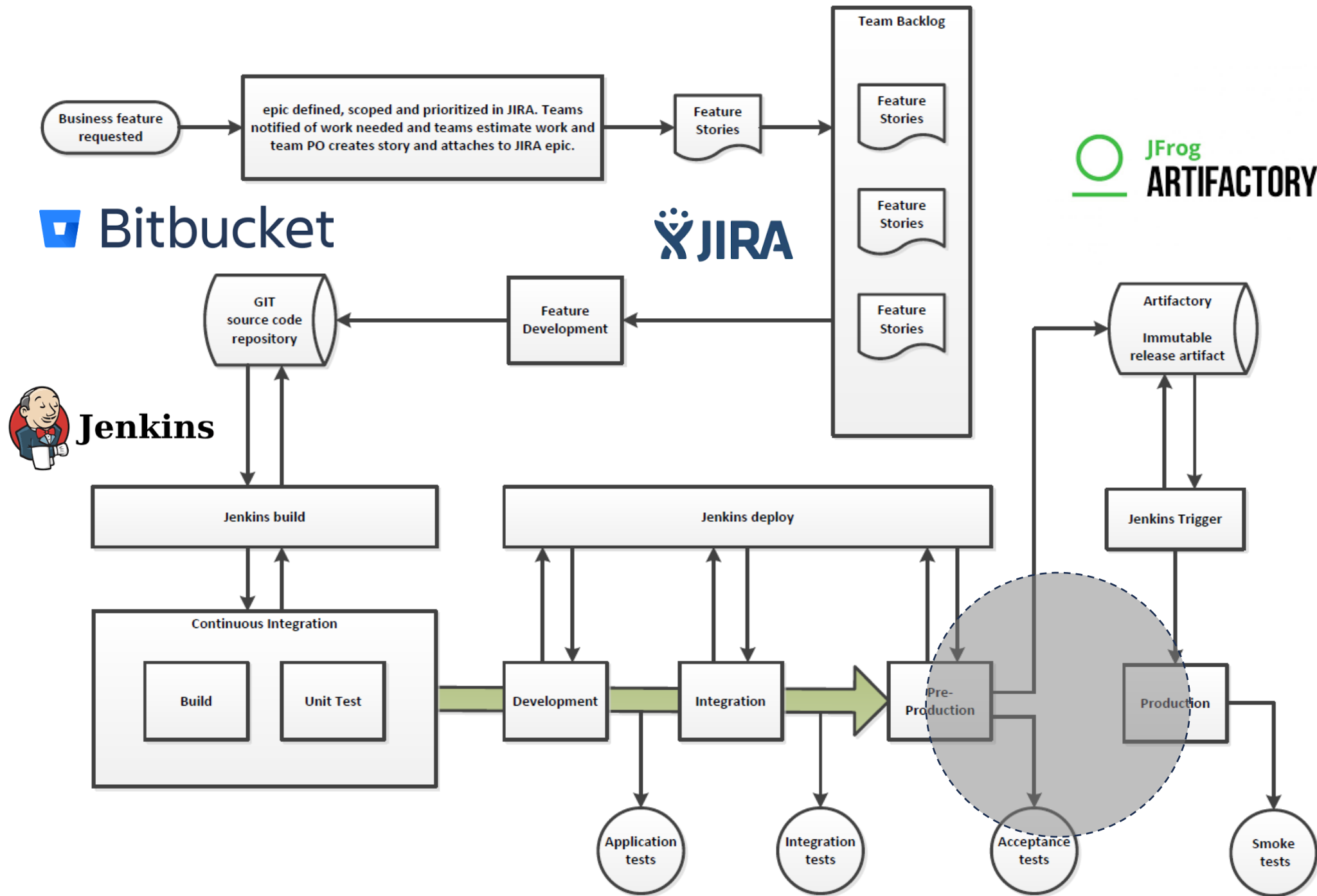
Define a new method for retrieving the flag's value

```
10 10 public class ChukarFeatureService {
11 11
12 12 private static final org.slf4j.Logger logger = LoggerFactory.getLogger(ChukarFeatureService.class);
13 13
14 14 private final LDClient ldClient;
15 15
16 16 public ChukarFeatureService(final LDClient ldClient) {
17 17 this.ldClient = ldClient;
18 18 }
19 19
20 + public boolean isChukarRoutedToAws() {
21 + if (ldClient == null) {
22 + logger.info("LaunchDarkly configuration is unavailable. Defaulting to using Legacy.");
23 + return false;
24 + }
25 +
26 + LDUser ldUser = new LDUser("");
27 +
28 + return isChukarRoutedToAwsFlagOn(ldUser);
29 + }
30 +
20 31 public boolean isLocationServicesOn() {
21 32 if (ldClient == null) {
22 33 logger.info("LaunchDarkly configuration is unavailable. Defaulting to using Legacy.");
23 34 return false;
24 35 }
25 36
26 37 LDUser ldUser = new LDUser("");
27 38
28 39 return isLocationServicesFlagOn(ldUser);
29 40 }
41 + private boolean isChukarRoutedToAwsFlagOn(LDUser ldUser) {
42 + if (ldUser == null)
43 + return false;
44 +
45 + try {
46 + boolean isRoutedToAws = this.ldClient.boolVariation(ChukarFeatureFlag.CHUKAR_LINKS_ROUTE_TO_AWS.getKey(), ldUser, false);
47 + logger.info("LaunchDarkly flag: " + ChukarFeatureFlag.CHUKAR_LINKS_ROUTE_TO_AWS.getKey() + " evaluated to: " + isRoutedToAws);
48 + return isRoutedToAws;
49 + } catch (Throwable t) {
50 + logger.error("Error communicating with LaunchDarkly client " + t);
51 + return false;
52 + }
53 + }
```

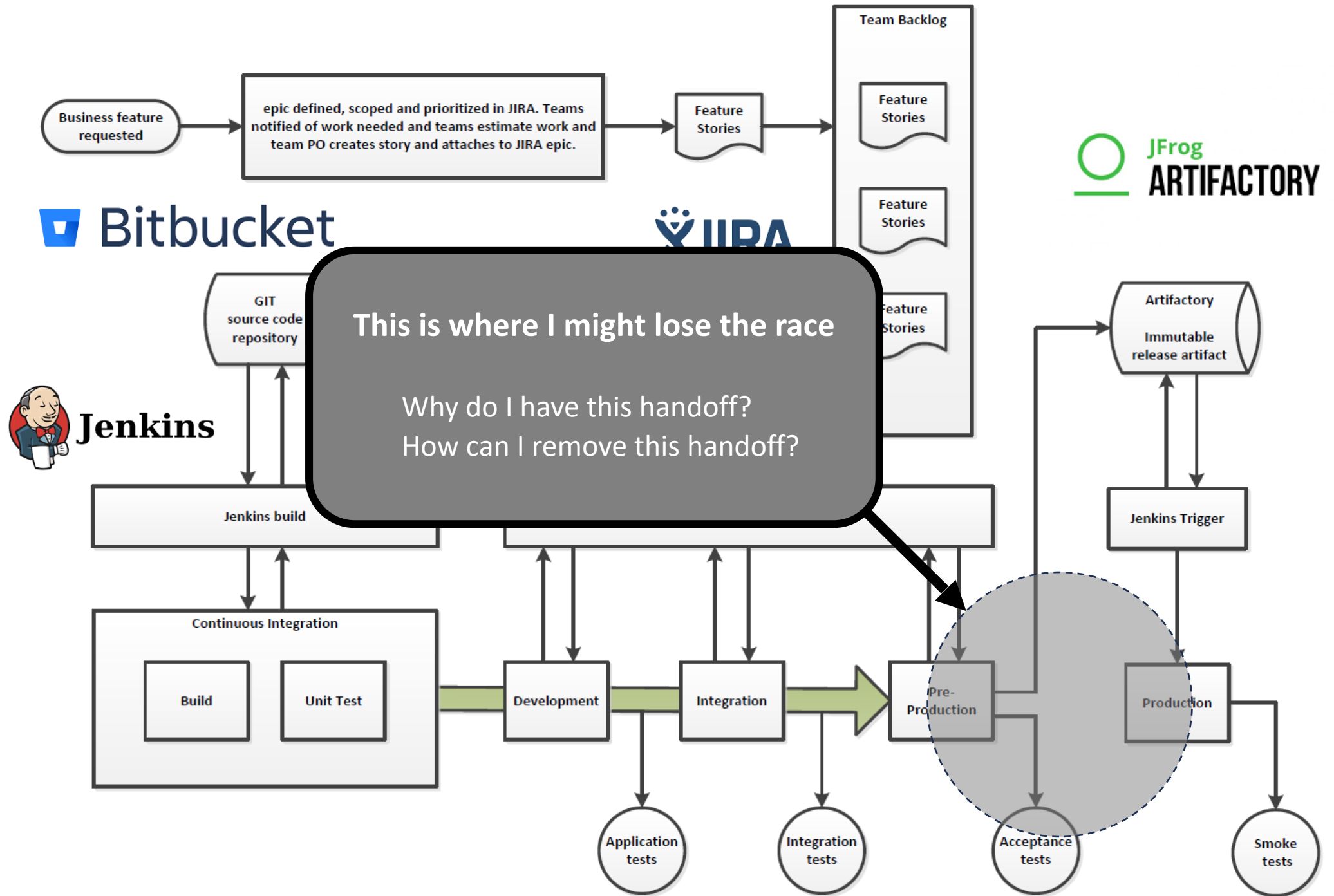
DevOps Architecture



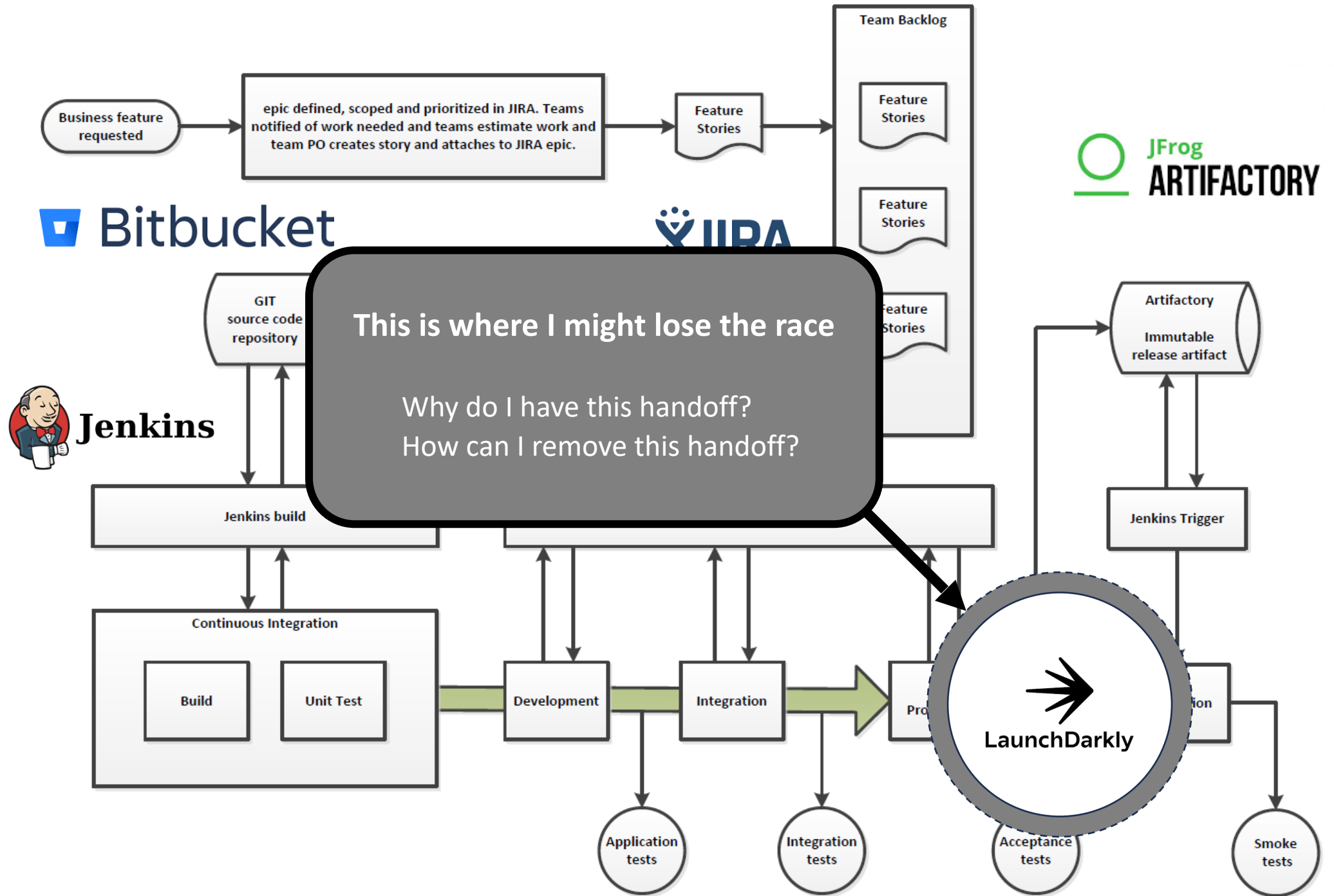
DevOps Architecture



DevOps Architecture



DevOps Architecture





Jenkins



LaunchDarkly

DevOps Architecture

Separating deploy from release

HOW does this transform our practice?



- Simplifies the path for success
- Separates deploy and release

Win the deploy & the release

