

RELEASE NOTES

Feature Introduced (New & Enhanced) & Bug Fixes

This release includes key front-end enhancements for improved usability, such as UI revamps and new configuration options. On the backend, we've strengthened deployment handling and added support for GPU configurations. It also includes various bug fixes and stability improvements.

14TH MARCH RELEASE



Feature Improvements

DESCRIPTION	STATUS
Pipeline Listing & UI Revamp	Done 
Ability to Clone Policies	Done 
Cloning of Existing Steps (Step Catalogs)	Done 
"Run with Parameter" UI Revamp	Done 
Auto-Scroll for Logs	Done 
Release Package Configuration UI	Done 
Maturity Insights Configuration via UI	Done 
Database Management Upgrade	Done 
Global Search for Microservice and Pipeline Discovery	Done 
Restrict New Deployments for Services with Active Deployments	Done 
Environment Filter in Velocity Insights Dashboard	Done 

</> Backend Strengthening (1/2)

DESCRIPTION	STATUS
Handle Deployment Failures due to Space Shortage Introduce mechanisms to detect and gracefully handle deployment failures caused by insufficient disk or resource space on nodes.	Done 
Custom Service Account per Deployment (Deployment Details) Users can now define custom service account details for individual deployments within the Deployment Details view.	Done 
GPU Configuration in Deployment Details (Resource Quota) Added ability to control GPU resource limits and requests as part of deployment configuration in the Resource Quota section.	Done 
Comprehensive Canary Analysis Across All Helm Deployments Implement canary analysis for all deployment names defined in Helm charts, ensuring consistent evaluation per deployment.	Done 
ConfigMap and Secret Changes in Tabular Format (Pod Shift View) Display ConfigMap and Secret differences in a clear, tabular format to improve auditability and comparison.	Done 

</> Backend Strengthening (2/2)

DESCRIPTION	STATUS
Merge Manifest Apply Logic Post-analysis, merge the Helm manifest apply with traditional methods to maintain consistency and reduce deployment conflicts.	Done 
Manifest Generation Step – Output Clarity The Manifest Generation step now clearly specifies the generated resources, including type and name (Deployment, Service, etc.).	Done 
Deployment Analytics Dashboard (Helm-Based View) New dashboard displaying analytics per Helm-defined deployment, offering insights across versions, environments, and rollout behaviors.	Done 



Bugs Resolved (Critical Fixes)

BUGS	STATUS
Switching to YAML view in a pipeline removes some jobs unexpectedly.	Fixed 
During new pipeline creation, certain jobs fail to get created.	Fixed 
"Manage Failure" obstructs Canary pipeline execution Canary rollout enters a premature failure state due to transient error misinterpretation or incorrect failure threshold handling.	Fixed 
If traffic shift is configured below 100%, Deploy job gets stuck in a running state with no logs visible.	Fixed 
If traffic shift is configured to 100%, the Deploy job fails before execution, and the pipeline halts.	Fixed 
During Canary pipeline execution, Build status on the Service Listing page incorrectly appears as "Running".	Fixed 
In the pipeline view, the tag shown in the Build step is incorrect and does not reflect the actual deployed image.	Fixed 
Frontend logs section shows nothing when Deploy job is stuck (duplicate frontend impact of traffic shift < 100%).	Fixed 

Pipeline Listing & UI Revamp

Enhancement

Redesigned the Pipeline Listing page for improved usability, better navigation, and a modern interface.

I

Infra-Provisioner

Tue Aug 29 2023 10:30:01

16 Sec

By Shankar Jha (Manual)

★

▶ TRIGGER

⋮

Stage (08/15): QA Lead Sign Off 2 Jobs

✓ SUCCESS

🕒 VIEW HISTORY

—

Jira Ticket Create
1 Job

Jira Ticket Create
1 Job

Jira Ticket Create
1 Job

Jira Ticket Create
1 Job

Jira Ticket Create
1 Job

✓

Jira Ticket Create
1 Job

✓ SUCCESS: 10

✗ FAIL: 5

In Last 15 Triggers

SYSTEM

FEATURE

BACKUP

BACKUP

+12

Services for the pipeline to run on

I

Infra-Provisioner

★

▶ TRIGGER

⋮

Stage (08/15): QA Lead Sign Off2 Jobs

✓ SUCCESS

+

I

Lambda-Test

★

▶ TRIGGER

⋮

Stage (08/15): QA Lead Sign Off2 Jobs

✓ SUCCESS

+

Ability to Clone Policies

Enhancement

Users can now clone existing policies to streamline configuration and ensure consistency across services and pipelines.

Manage Policies

Displaying Overall summary of Policies

CLONE POLICY

+ ADD POLICY

Search

Secret type

SA

sample-app-194-Po

TE

testmybp-Policy

PO

policy-Project_Adm

TE

testing-demo-Polic

SA

sample-app-200-Policy

CLONE POLICY

Select Policy* ⓘ

Clone1-sample-app-194-Policy

Clone Name* ⓘ

Clone1-sample-app-194-Policy

UPDATE FILTERS

CANCEL

CLONE

Cloning of Existing Steps (Step Catalogs)

Enhancement

Users can now clone existing policies to streamline configuration and ensure consistency across services and pipelines.



BUILD-PACKER-STEP
BP Env Set Up Tear Down

V2

BUILD_MICROSERVICE

FEATURE

+4

Image: Registry.buildpiper.in/ami-update:0.1





K8s-PACKER-STEP

V2





V3



CLONE "BUILD-PACKER-STEP"

Step Name* ⓘ

Enter

Step Code* ⓘ

Enter

CANCEL

CLONE

"Run with Parameter" UI Revamp

Enhancement

Improved Run with Parameter experience with a cleaner form layout, better input handling, and enhanced validation.

Trigger Pipeline

Parameters

Release Package

Services*

Feature_Demo   Feature_Demo  

Select Branch

Master

Give a deploy version to the pipeline

Version

Give a tag

Tag

Please note: artifact tag has to be unique

Add runtime input Variables

YES

Local testing done?*

Type	Default Value	Is this Variable over-ridable	Is this Variable Mandatory
Selection	Yes	Yes	No

+ ADD ANOTHER

CANCEL

TRIGGER PIPELINE



▶ TRIGGER



✓ SUCCESS



▶ TRIGGER



✓ SUCCESS



Auto-Scroll for Logs

New Feature

Log viewer now automatically scrolls to the bottom for long, multi-page logs — making real-time monitoring seamless.

All Events

19m 10s

<

✓ SSH KEY VALIDATION

3m 7s

✓ BRANCH VALIDATION

10m

✓ DOCKERFILE EXIST

10m 50s

✓ SOFTLIMIT DETAILS

5m 3s

⚙ GIT CLONE SUCCESSFUL

○ CODE VALIDATION

1 [2023-05-12 12:26:00,865][INFO]: [=====]

2 [2023-05-12 12:26:00,865][INFO]: [Start executing the Step: PUSH_DOCKER_IMAGE (Docker image Push), Image: re

3 [2023-05-12 12:26:00,866][INFO]: [=====]

4 [2023-05-12 12:26:02,370][INFO]: [Started container with container id: c1a985c0da]

5 [2023-05-12 12:26:20,968][INFO]: [Start validating the step request data]

6 [2023-05-12 12:26:20,970][INFO]: [Task request data is validated successfully]

7 [2023-05-12 12:26:20,970][INFO]: [Registry login start with registry url: https://registry.buildpiper.in, us

8 [2023-05-12 12:26:20,970][INFO]: [Registry login successfully]

9 [2023-05-12 12:26:20,971][INFO]: [Registry login successfully]

10 [2023-05-12 12:26:20,971][INFO]: [The push refers to repository [registry.buildpiper.in/otp-gen/dev/dev-1]]

11 [2023-05-12 12:26:20,971][INFO]: [e960df644100: Preparing]

12 [2023-05-12 12:26:20,971][INFO]: [750d5447ddde: Preparing]

13 [2023-05-12 12:26:20,971][INFO]: [5f89b843aa28: Preparing]

14 [2023-05-12 12:26:20,971][INFO]: [abd36062f9fe: Preparing]

15 [2023-05-12 12:26:20,971][INFO]: [53b9ee4aa890: Preparing]

16 [2023-05-12 12:26:20,971][INFO]: [bcf2f368fe23: Preparing]

17 [2023-05-12 12:26:20,972][INFO]: [bcf2f368fe23: Waiting]

18 [2023-05-12 12:26:20,972][INFO]: [e960df644100: Layer already exists]

19 [2023-05-12 12:26:20,972][INFO]: [5f89b843aa28: Layer already exists]

20 [2023-05-12 12:26:20,973][INFO]: [53b9ee4aa890: Layer already exists]

21 [2023-05-12 12:26:20,973][INFO]: [750d5447ddde: Layer already exists]

22 [2023-05-12 12:26:20,973][INFO]: [abd36062f9fe: Layer already exists]

23 [2023-05-12 12:26:20,973][INFO]: [bcf2f368fe23: Layer already exists]

24 [2023-05-12 12:26:20,973][INFO]: [12-20230512T1225-latest: digest: sha256:059778d092bff0f5e11593200f7c41b05d

25 [2023-05-12 12:26:20,974][INFO]: [{ 'progressDetail': {}, 'aux': { 'Tag': '12-20230512T1225-latest', 'Digest':

26 [2023-05-12 12:26:20,974][INFO]: [Result docker image pushed Successfully]

27 [2023-05-12 12:26:20,974][INFO]: [The push refers to repository [registry.buildpiper.in/otp-gen/dev/dev-1]]

28 [2023-05-12 12:26:20,974][INFO]: [e960df644100: Preparing]

29 [2023-05-12 12:26:20,975][INFO]: [750d5447ddde: Preparing]

30 [2023-05-12 12:26:20,975][INFO]: [5f89b843aa28: Preparing]

31 [2023-05-12 12:26:20,975][INFO]: [abd36062f9fe: Preparing]

32 [2023-05-12 12:26:20,975][INFO]: [53b9ee4aa890: Preparing]

33 [2023-05-12 12:26:20,975][INFO]: [bcf2f368fe23: Preparing]

Start Auto Scroll

▶

Start Auto Scroll

▶

Release Package Configuration UI

New Feature

Provide an intuitive UI to configure release packages, define metadata, upload artifacts, and associate relevant builds or deployments.



Default Release Package Configuration

✓

APPLICATIONS SELECTION

Config name: Jira_Demo

Applications: Jira_24, Demo_Jira, Jira_airtel, +3

✓

INTEGRATION & PROJECTS

Jira Integration: Jira_Demo

Project: Jira_1

✓

PICK STORIES

Pick From: Release

✓

ISSUE TYPE VALIDATION

Issue validation required ? : Yes

Configured

5

APPROVAL COMMENT VALIDATION

Is Approval Comment Validation required? ⓘ

☒ Yes

☐ No

Configure approval comment validation

Comment Pattern/regular expression ⓘ

Approved

Select Approver User Groups ⓘ

Dev ops X

Dev Team X

Devops New X

Developers X

Select Approver Users ⓘ

Abhishek Verma X

Kamal Garg X

Siddharth Gupta X

Maturity Insights Configuration via UI

New Feature

Enable configuration of maturity insights directly through the UI — including KPIs, score thresholds, and metrics visualization.

Maturity Configuration ⓘ

 Dorametrics

 Code Quality

 Delivery Quality Check

 Cost Saving Maturity

+

CATEGORY DETAILS

Maturity Category Name ⓘ

Dorametrics





Give icon to Maturity Category ⓘ



▼

Category rating strategy ⓘ



Pick Highest Index Rating

The Category Metal rating will be assigned based on the maximum rating achieved by any single metric of the category.

☐

Pick Lowest Index Rating

The Category Metal rating will be assigned based on the minimum rating achieved by any single metric of the category.

☐

Average Score

Calculate average score of all indexes.
(Sum of Ratings) ÷ (total number of Indexes)

MATRIX LISTING

Maturity Matrix list ⓘ

INDEX	EVALUATION STRATEGY	AGGREGATION STRATEGY	SOURCE KEY	SOURCE URL	
DEPLOYMENT FREQUENCY	Pick Highest	Per Scan	Dora_metrics	Http://www.buildpiper.c..	⋮
LEAD TIME TO CHANGE	Pick Highest	Per Scan	Dora_metrics	Http://www.buildpiper.c..	⋮
CHANGE FAILURE RATE	Pick Highest	Per Scan	Dora_metrics	Http://www.buildpiper.c..	⋮

+

 ADD MATURITY MATRIX

Database Management Upgrade

Enhancement

Discussion and planning for upgrading the database layer — including schema evolution, performance optimization, and backup/restore capabilities.

RF

App2

Health: N/A [Check Status](#)

Env: Dev-Main_feature_1.. DEV

[+ ADD ENVIRONMENT](#)

ENV BUILD DETAILS ENV DEPLOY DETAILS **DATABASE MANAGEMENT**



Schema: Buildpiper_test
Created On: 23 min Ago
Branch: Test

[✎](#) [✖](#)

 Select DataBase ⓘ

Database_1 ▼

Enter Following details to Migrate Database

Migration Management Tool ⓘ

☒ Buildpiper ☐ Liquibase

Replica(s)* ⓘ

Demo_1 ✕ High_Performance VM ✕ MID VM ✕

▼

Schema ⓘ

Select ▼

GIT DETAILS

GIT ⓘ

Select ▼

Branch ⓘ

Select ▼

Git Path* ⓘ

Enter [🔗](#)

SAVE CHANGES

Global Search for Microservice and Pipeline Discovery

New Feature

Introduce a universal search feature to quickly find microservices and associated pipelines across environments and projects.

Global Search

Features

Applications

Services

Pipelines

Integrations

Job Template

Q

OT|

×

Container Registry

Repo

Secret

Helm Repo

Git Ev

5 Results found for "OT" in Helm Repo

Helm Repo(s)

ot-helm

bp-ecr-repo-OT

new-reg-roh-OT

neelam-OT-docker

bp-OT

Restrict New Deployments for Services with Active Deployments

Enhancement

Prevent multiple parallel canary executions for the same service to avoid conflict, race conditions, and resource contention.

1

STAGE-C

1 Comple

✓

Job_1: Job Type: B

Dev-one-v2

L

✗

Job_1: Job Type: C

Baseline: MyApp

Manage Failure

Job has failed with following details : Job_2

Execution details for deploy job

STAGING

Service	Status	Reason
Service-1	FAILED	Canary is Already Running Via Pipeline : New_2024
Service-2	DIDN'T RUN	-
Service-3	DIDN'T RUN	-

PLEASE NOTE

On pipeline failure, there are two ways of recovering from failure.

1. Re-run the failed job

2. continue to next job with failure

CLOSE

CONTINUE WITH FAILURE

RE-RUN JOB

Environment Filter in Velocity Insights Dashboard

Enhancement

Previously limited to application-level filtering. Now enhanced with environment-level filters for more targeted insights.

Overview Company

1D 1W 1M 1Y Custom

Environment: Dev

+ MORE

- DEV
- QA
- STAGING
- UAT
- PROD

Total Builds

12

Builds per month

12% Increase

Average Build Time

00:23:23

Avg. Time per month

12% Increase

Build Success rate

45%

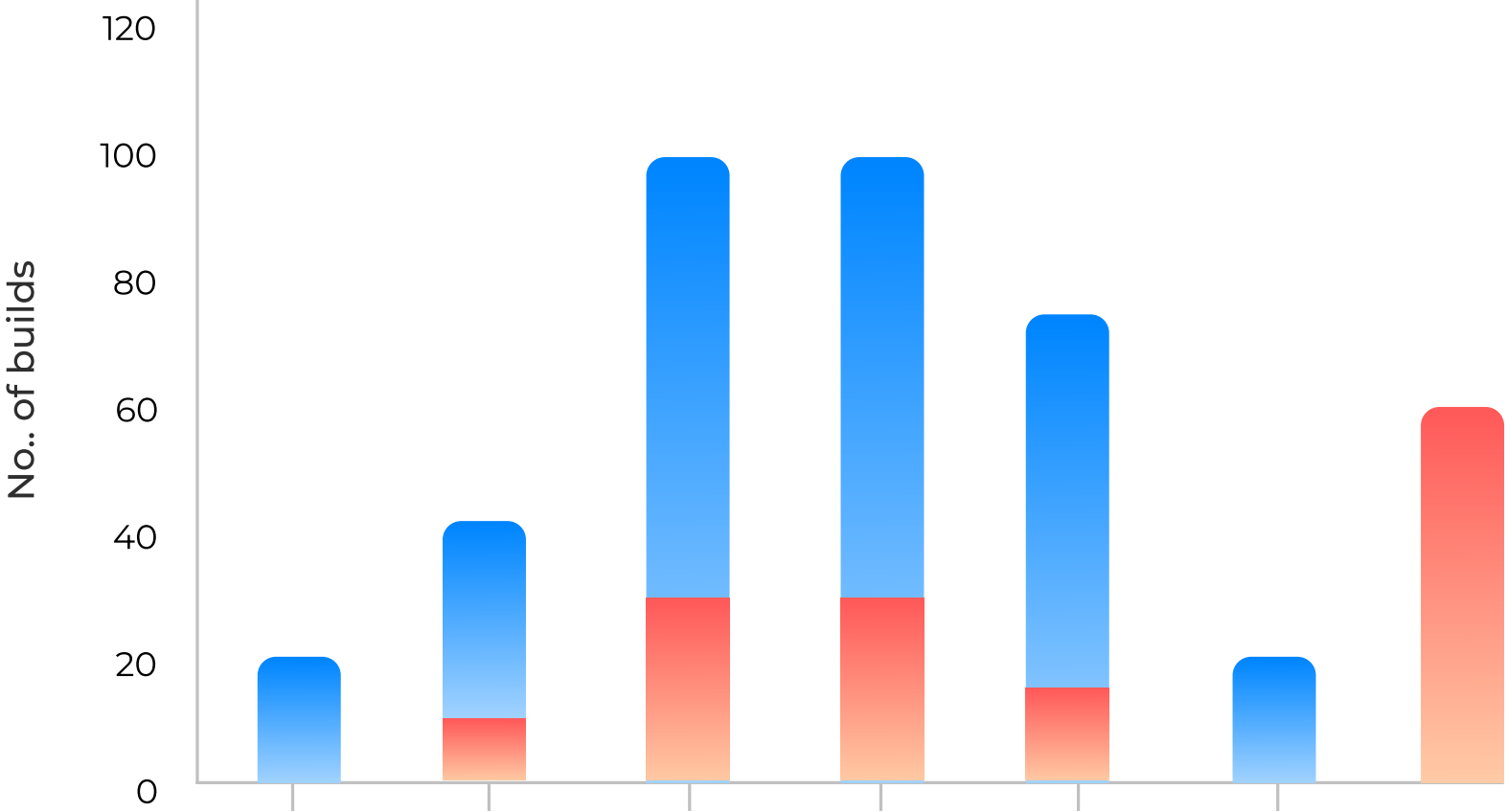
Percentage

12% Increase

MEDIUM

MEDIUM

Average B



time

Build Successful Build Failed



POSSIBILITIES. REIMAGINED

**OPSTREE
BUILDPIPER**

www.opstree.com



THANK YOU

connect@opstree.com

Talk to us: