AmerisourceBergen Pivotal Cloud Foundry Onboarding Guide

This document shall serve as a guide for onboarding its customers onto Pivotal Cloud Foundry - Pivotal Application Service (PAS).

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# WHO WE ARE/WHAT WE PROVIDE

## The Platform Team

The platform operations team shall be responsible for adding, managing, and maintaining the Org(s), Space(s), User(s) within Pivotal Cloud Foundry.

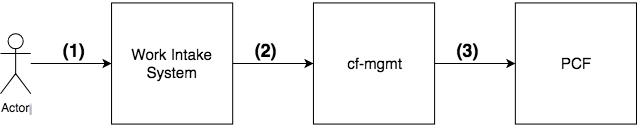
By default, the platform team shall provide to end-users the:

* Apps Manager Endpoint - UI Interface for users to manage applications/services
* API Endpoint - CLI Interface
* 1 Org - Development account that an individual/multiple users can own and use
* 3 Spaces - Provides users with access to a shared location for application development, deployment, and maintenance
* Quota(s) - 5 GBs per space (memory)
* Cloud foundry Usage documentation (from Pivotal)

**NOTE:** If users are in need of additional resources (e.g., 5 spaces, 50 GBs of quota), then they will be required to meet with the Platform Team and review their requirements.

# ONBOARDING PROCESS

## Workflow Diagram



**Onboarding Workflow Diagram (i)**

The above diagram depicts at a high level the process for a user to be on-boarded onto PCF:

1. User will submit a request/ticket to **<Intake\_System\_Name\_Here>**
2. After required approvals, the request will be automatically sent to the platform team’s automated onboarding pipeline, **“cf-mgmt”**
3. Cf-mgmt pipeline will trigger and add the requested user into PCF
4. After cf-mgmt pipeline has run successfully, the platform will send a notification to the user with the necessary details to access PCF

## Work Intake System

User’s interested in gaining access to PCF shall submit a request/ticket in **<Intake\_System\_Name\_Here>**. The user(s) shall provide the following information to the Platform Team:

* Environment (Non-Production or Production)
* Isolation Segment(s)
* Service Account(s)
* Tiles
* External Services
* Firewall (ports/protocols)
* Cost Center
* Desired Role in PCF (e.g., ‘Space Manager’, ‘Space Developer’, ‘Space Auditor’)

**NOTE:** The work intake system must have an API that can be used to automatically retrieve and parse the information in the request once it has been submitted and approved.

## CloudFoundry Management (cf-mgmt):

CloudFoundry Management (cf-Mgmt) is an automation tool written in Golang that is used for managing orgs, spaces, and users in PCF. Cf-Mgmt can also handle the mappings of roles, quotas, application security groups, and private-domains.

When the user’s request is approved in **<Intake\_System\_Name\_Here>**, the information from the request shall be sent automatically to **cf-mgmt** for processing.

The programming language in which cf-mgmt is written is YAML.

**NOTE**: The preferred format of the payload from the Work Intake System API is a JSON Object. The JSON object can then be parsed and stored into cf-mgmt for processing.

# ONBOARDING CHECKLIST

## Platform Team

* Review onboarding checklist and requirements
* Validate the information provided in the submitted request
* Await approval(s) for the submitted request
* Upon approval(s), validate the API functionality between the Work Intake System and Cf-Mgmt is successful
* Validate that the user(s), org(s), space(s), role(s), etc. has been successfully created in PCF with cf-mgmt
* Provide the user with their information to access PCF

## Requestor/User

* Review onboarding checklist and requirements
* Submit an onboarding request to **<Intake\_System\_Name\_Here>**
* Await approval(s) for the submitted request
* Confirmation received from Platform Team that their user(s), org(s), and space(s) have been successfully created in PCF
* Validate user authentication to PCF and viewing of org(s), space(s), services

# RESOURCES

## Mailing lists

You may contact the Platform Team mailing distribution list at:

* [Cloud Delivery Services](mailto:clouddeliveryservices@amerisourcebergen.com)

## Glossary of Terms

* **PCF** - Pivotal Cloud Foundry
* **PAS** - Pivotal Application Service
* **Orgs/Organizations** - Development account within Pivotal’s Application Service
* **Spaces** - Provides users with access to a shared location for application development, deployment, and maintenance
* **Quotas** - Memory/Disk Usage scoped to Org(s) and Space(s)
* **Apps Manager UI** - Application Manager User Interface for users to view/manage their applications
* **API Endpoint** - Application Programming Interface Endpoint for users to communicate within PCF
* **CF CLI** - Cloud Foundry Command Line Interface for users to deploy applications, services, and run other useful commands

## Related Document Links

* **PCF Operator Guide** - <https://docs.pivotal.io/pivotalcf/opsguide/index.html>
* **PAS Developer Guide** - <https://docs.pivotal.io/pivotalcf/pas/dev.html>
* **CF CLI** - <https://docs.cloudfoundry.org/cf-cli/install-go-cli.html>
* **Cf-Mgmt** - <https://github.com/pivotalservices/cf-mgmt>