

Going PROD

Documenting the bare minimum for going into production with PCF.

- Architecture Approval
- UAT Approval
- Sonar/Fortify clear.
- Sizing data for your app.
- Production Support DevOps Model Handoff.
- RPCCB Approval: What is RPCCB? Attach sample here. ([rpccb_template.zip](#))

Note: All Prod Changes will require an approved CR.

Technical Pre-requisites

1. **Marketplace services:** A list of all marketplace services that are needed for the app(s) with detailed information like service instance name and service plan.
For Spring Cloud configuration servers, Gitlab SSH Private Key, Repository URL and branch name must be provided.
2. **User Provided services:** Detailed information about user-provided services that need to be created for the app (if any).
3. **Remote connectivity/Security Groups:** If the app connects to external services outside the PCF network, provide the following information about the external servers:
IP Addresses
Ports
Protocols
Note: This only opens up access from the PCF Router side. The Network Security team must be contacted for changes to the firewall.
4. **Jenkins pipeline configuration:** Configuration to be applied on the Production Jenkins Instance along with any credentials/SSH keys that the pipeline needs.

Pre-deployment Tasks to be completed by PCF team for all new projects in production PCF:

- Create ORG/SPACE: Create a new Org (Same as Dev/SIT/UAT) and a new Space named prod in both Datacenters:- SYS1 and SYS2.
- Assign SpaceDeveloper Permission to Production Support team.
- Share [prod.apps.cs.sgp.dbs.com](#) with new Org.
- Increase Org Quota: Assign 50 GB quota to the newly created Org.
- Create a Jenkins Folder and provide permissions to Production Support team.
- Create 'OrgName-Configuration-prod' repo in 'PROD' group of Gitlab. Add Production Support team as 'Master' on that **Repo**.
- Create and bind Application Security Group for connectivity to any external production server. (As per need)

Pre-deployment Tasks to be completed by Production Support team for all new projects in production PCF:

- Create Jenkins pipelines.
- Create Gitlab project in 'PROD' group.
- Generate new SSH key for config-server setup
- Create new config-server.
- Create service instances and run SQL scripts (If needed)

Minimum information required to raise JIRA requesting for Onboarding a project in PCF production:

Separate JIRA ticket needs to be created in CSTPCFMAN project for onboarding a project in PCF production

Sno	Name	Details
1	Project name , LOB	

2	Project App Code	
3	who owns this project ?	
4	Is the UAT sign-off done? *	
5	Sonar and Fortify clear? *	
6	Is the pcf-architecture team approval taken? *	
7	List of All Marketplace services needed	
8	List and Details of all user provided services to be configured	
9	Remote connectivity/Security Groups list	
10	Is the deployment on PCF or VPC server?	
11	Jenkins DEV/SIT/UAT Pipeline details	
12	Have the production support team logged in to PCF Prod SYS1 and SYS2 once?	
13	List of Production Support team with approval from PS manager. **	
14	Production Support DevOps Model Handoff Meeting completed? *	
15	List of users who will have SpaceAuditor access **	

* Attach all the relevant approvals in the JIRA ticket for faster processing of onboarding request to Prod.

** List should have Name, 1bank Id, Managers name. Production access needs to be approved by Production managers. **Users must have accessed PCF,Jenkins and Gitlab at least once before access can be assigned to them for any project.**

Prod Links:

DCE (SYS1)

<https://apps.prod.sys1.cs.sgp.dbs.com>

DCW (SYS2)

<https://apps.prod.sys2.cs.sgp.dbs.com>

Jenkins Prod

<https://jenkins-oc-0.prod.sys1.cs.sgp.dbs.com>

Gitlab (Dev/SIT/UAT/Prod):

gitlab.dev.apps.cs.sgp.dbs.com