Information

Name:	Project ordgp
Description:	Description of ordgp.
Version:	WIP
Date Created:	2022-01-21T10:15:30
Git Commit:	1e84b5100e09d9b6c5ea1b6c2ccee8957391beec
Git Tag:	ods-generated-v3.0-3.0-0b11-D
Git URL:	http://wiremockTest/ordgp/ordgp-releasemanager.git
OpenShift Cluster API URL:	https://openshift-sample
Created by Jenkins Job Name:	ordgp-cd/ordgp-releasemanager
Created by Jenkins Build Number:	13

Technical Installation Plan for 'Project ordgp'

TABLE OF CONTENTS

1 INTRODUCTION

This document describes the installation of the software-defined components *backend, frontend and test*. The installation is based on the documented installation process for applications/components running on *BI-IT-DEVSTACK*.

Printed Name of Installer(s)	
Printed Name	**Initials**
N/A. Fully automated by *BI-IT-DEVSTACK*, no user interaction.	*N/A*. Fully automated by *BI-IT-DEVSTACK*, no user interaction.

References			
Document ID	**Name**	**Version**	**Location**
See *QSR* of *BI-IT-DEVSTACK*	Qualification Summary Report (Infrastructure)	Current Version	ITEMS

2 DOCUMENTATION INSTRUCTIONS

The following instructions are generated based on components configured to be deployed for the application (Project: Project ordgp) - Config Item: BI-IT-DEVSTACK).

The configuration of this component list is stored version controlled within the BitBucket (*BI-AS-ATLASSIAN*) project named **ORDGP**.

3 INSTALLATION PREREQUISITES

1 Component repository is a *GIT* managed repository on validated *BI-AS-ATLASSIAN*.
2 Component inside a *GIT* repository is of type *ods*, *ods-infra*, *ods-saas-service*, *ods-service*, or *ods-test*. Components of type *ods-saas-service* are not installed by OpenDevStack, but by their respective manufacturer. Components of type *ods-test* are not installed, but contain automated end-to-end tests used to exercise the system. The foundation of those components, named *Boilerplates*, are qualified through the qualification of OpenDevStack (*ODS*, *BI-IT-DEVSTACK*) itself.
3 Except for the *ods-saas-service* type, a component's *GIT* repository contains a Jenkins file (named Jenkinsfile), which is used for building, testing, and installation through the OpenDevStack Jenkins build engine.
4 Jenkins build engine, based on OpenDevStack, is qualified, available, and running.
5 Nexus artifact repository, based on OpenDevStack, is qualified, available, and running.
6 Target environment infrastructure is qualified (for GxP relevant systems) and available.

3.1 COMPONENTS SPECIFICATION

The installation comprises the following software-defined components:

Components where *Installation by ODS* is denoted as *false* are of type *ods-saas-service*, or *ods-test*.

Software Module Name/ID	Manufacturer	Software Version / Language	ID of Component to be installed	Reference to System and Software Design Specifications	Installation by ODS
backend	mySupplier-A	branch , the actual commit is specified as parameter during installation	BI-AS-ATLASSIAN / Project: ordgp-backend // repo: backend	BI-IT-DEVSTACK / System and Software Design Specification	true
frontend	mySupplier-A	branch , the actual commit is specified as parameter during installation	BI-AS-ATLASSIAN / Project: ordgp-frontend // repo: frontend	BI-IT-DEVSTACK / System and Software Design Specification	true

test	mySupplier-A	branch , the actual commit is specified as parameter during installation	BI-AS-ATLASSIAN / Project: ordgp-test // repo: test	BI-IT-DEVSTACK / System and Software Design Specification	false

3.2 VERIFICATION OF DELIVERY

N/A. There is no shipment of hardware or software. The proper functionality of installed components is verified during verification phase of this installation.

In order for the entire installation to proceed, the mentioned pre-requisites are mandatory, and if not met, the installation will fail. E.g., in case Jenkins is NOT available, the automated installation will not start.

3.3 INSTALLATION SPECIFICATION

Parameters	
Parameter	**Value**
Git Commit Component *backend*	
Git Repo Component *backend*	
ODS Component Type *backend*	ods
Installation by ODS *backend*	true
Git Commit Component *frontend*	
Git Repo Component *frontend*	
ODS Component Type *frontend*	ods
Installation by ODS *frontend*	true
Git Commit Component *test*	
Git Repo Component *test*	
ODS Component Type *test*	ods-test
Installation by ODS *test*	false
Non-ODS Installation Instructions *test*	N/A
Change id/number	1.0
Change description	UNDEFINED
Version	WIP
Config Item	BI-IT-DEVSTACK

3.4 COMMUNICATION AND ORGANIZATION TASKS

N/A

3.5 BACK OUT PLAN

In case the installation of the component fails, the component will be rolled back to its previous working version. This is a standard feature of the underlying qualified platform.

4 ENVIRONMENTAL CONDITIONS

The system is running on a qualified infrastructure and the infrastructure qualification will be checked during the CIT.

5 INSTALLATION INSTRUCTIONS

The installation instructions are contained within the *GIT* repository's Jenkinsfile(s), whose are version controlled. These files are called from Jenkins (*BI-IT-DEVSTACK*) to build the entire application, including all its components. Each Jenkinsfile contains all required steps to perform the installation of a given component.

On the development environment(s) - the Jenkinsfile is used to build, install and test the applications, comprised of multiple components. For the installation of the application on the Quality / Production environment, there is NO build phase. Instead, the images that were built on the development environment as well as surrounding configuration, are imported into the target Q&P environments, to ensure no contamination with intermediate changes to the codebase.

The location of the running Jenkins instance depends on the environment the application is built on or only deployed to, and will be mentioned in the Technical Installation Report (*TIR*).

6 DIAGNOSTICS AND TESTING

Each component comes with individual installation tests. For details look in the Technical Installation Report.

COMPONENT BACKEND

Step	Instruction for Testing	Expected Result	Actual Result	Pass / Fail
1	Component has been deployed and individual installation tests ran.	Component has been successfully deployed. All installation tests ran successfully.	N/A	N/A

COMPONENT FRONTEND

Step	Instruction for Testing	Expected Result	Actual Result	Pass / Fail
1	Component has been deployed and individual installation tests ran.	Component has been successfully deployed. All installation tests ran successfully.	N/A	N/A

COMPONENT TEST

Step	Instruction for Testing	Expected Result	Actual Result	Pass / Fail
1	Component has been deployed and individual installation tests ran.	Component has been successfully deployed. All installation tests ran successfully.	N/A	N/A

7 POST INSTALLATION TASKS

No manual post installation steps. All installation tasks are contained within the automated installation.

8 DEVIATIONS AND FAILURES

In case of installation failures, no Technical Installation Report (*TIR*) will be generated, as the Jenkins run will fail!

9 CONCLUSION STATEMENT

Will be created based on the actual installation results, and noted in the corresponding Technical Installation Report (*TIR*).

10 DEFINITIONS AND ABBREVIATIONS

10.1 DEFINITIONS

Term	Definition
Jenkins	Build engine supplied by cloudbees - part of OpenDevStack (BI-IT-DEVSTACK)
xUnit	Unit testing framework, aggregaults across multiple languages

10.2 ABBREVIATIONS

Abbreviation	Meaning
ODS	OpenDevStack
EDP	Enterprise Development Platform

11 REFERENCE DOCUMENTS

- System and Software Design Specification (version BI-IT-DEVSTACK / WIP-13-WIP)

12 DOCUMENT HISTORY

Version	Date	Author	Change Reference
1	See Summary of electronic document or signature page of printout.		Initial document version.

The following table provides extra history of the document.

Version	Date	Author	Reference
	See summary of electronic document or signature page of printout.		