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| **PaaS Process Cloud Service - Virtual Box Release Notes** |

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## Introduction

Oracle Process Cloud Service lets you rapidly automate business-driven, company-specific processes, such as employee on-boarding or IT service requests, with end-to-end visibility and control. Oracle Process Cloud Service has two environments: Workspace, where you use and monitor process applications, and Composer, where you develop and test them.

### Goal

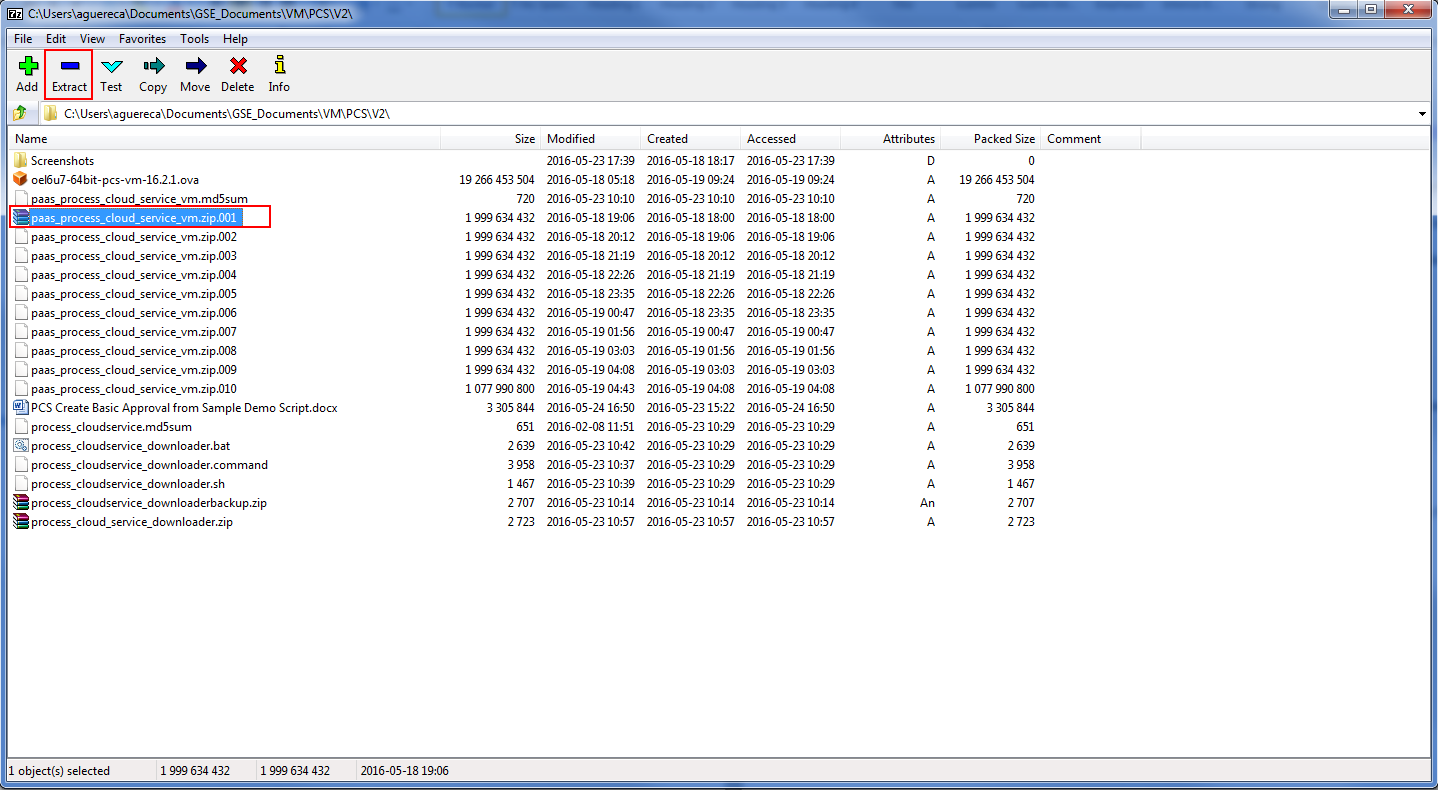
This VBox image was built to allow sales teams to expose customers to what functionality is available with Process Cloud Service or use it as a learning platform. It is NOT meant to be used for deep dive functionality demos or POC’s.

### Demo Highlights

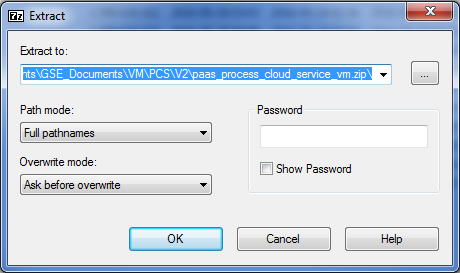
* This demo VBox image is based on the Process Cloud Service (PCS) 16.2.1 Release with:
  + out-of-the-box sample applications
  + Demo applications that include
    - Sales Quote Approval
    - Travel Request Application
    - Purchase Order
* The functionality within this PCS VM image should enable the sales team to provide customers with an idea of PCS functionality to determine if they want to continue with a live demo of PCS.

## Downloading & Setting Up the VM

1. Download the VM zip part files using the downloader script available from the [GSE demo store entry](https://demo.oracle.com/apex/f?p=GO:PAGE:0:DSD:NO:1:ID:29852).
2. When you run the “process\_cloudservice\_downloader.bat” script on your PC/Laptop, it will ask you for a folder name where the zip part files need to be downloaded
   1. Note that this folder name should not contain any spaces which will result in the downloader to not work properly
   2. For example, “D:\My PCS VM” won’t work. Instead provide something like “D:\MyPCSVM”
3. Once all the zip part files have been downloaded, make sure you have got all the following listed 10 files:  
     
   *paas\_process\_cloud\_service\_vm.zip.001* to *paas\_process\_cloud\_service\_vm.zip.010*
4. After the part files have got downloaded, run the 7z UI to extract the OVA:

**From the list of zip files select paas\_process\_cloud\_service\_vm.zip.001 and click on the extract button.**

**Choose the location in which you want to unzip all the files and create the OVA**

 **Note:   
a) You will need to have latest version of 7z for this to work, preferably 7z version 9 or higher.  
b) Usually the 7z executable is found under C:\Program Files\7-Zip**

1. This will create the OVA file: oel6u7-64bit-pcs-vm-16.2.1.ova.
2. Once the OVA file has been extracted, follow the instructions in the “*Booting up and First login*” section of this document and also check the *Main PaaS Laptop VM page: Program overview, General VirtualBox instructions doc & video, OSN page* link on the same demo entry.

## Environment Overview

### Memory Configuration

* **Recommended:** 8 GB RAM
  + If you have a 16 GB laptop/PC, then recommend to provide at least 8 GB RAM which will be ideal for running the VM with acceptable performance
    - If you can provide more memory the performance is expected to get better
* **Minimum:** 5.2 GB RAM
  + If you are having an 8 GB laptop, then we suggest you give the maximum memory around 5-6 GB so you can get reasonable performance
  + Setup swap files to have enough paging to happen as its expected to happen with this lower RAM config

### Ports Used

List all the ports used by different services for this demo.

|  |  |  |
| --- | --- | --- |
| Process |  | Port |
| Weblogic AdminServer |  | 7001 |
| SOA Server |  | 7003 |
| Orcl database |  | 1521 |
| Pdborcl database |  | 1521 |
|  |  |  |

### Bill of Materials

* Oracle Enterprise Linux 6.4 x64
* Process Cloud Service 15.4.5
* Oracle Database 11g R2

### Web Access Information

**Process Cloud Service Workspace -** http://localhost:7003/bpm/workspace (Refer “Demo Users” next section)

**Process Cloud Service Composer -** <http://localhost:7003/bpm/workspace> (Refer “Demo Users” next section)

**Oracle WLS Console -** <http://localhost:7001/console> weblogic/welcome1

**Enterprise Manager** - <http://localhost:7001/em> weblogic/welcome1

### Demo Users

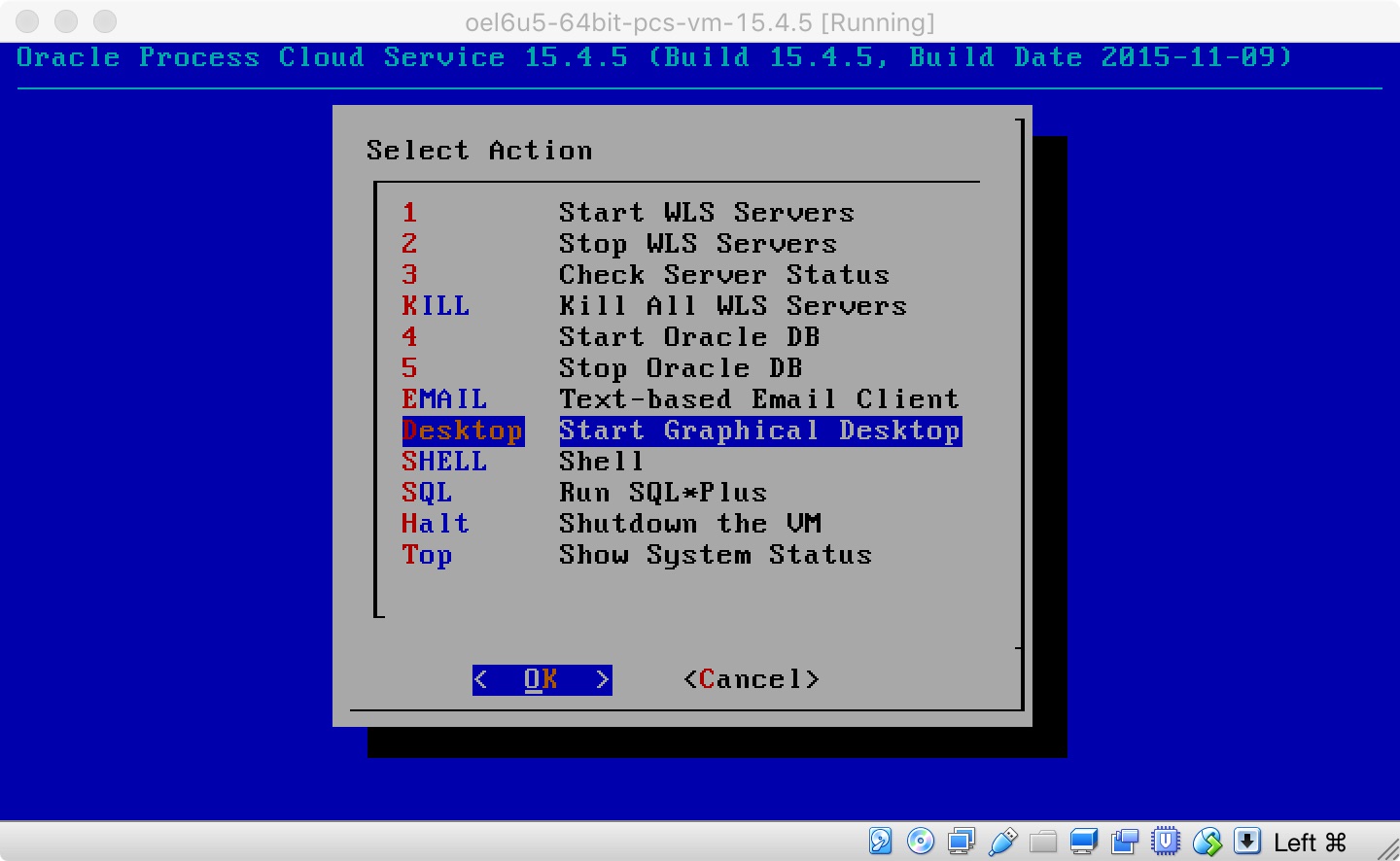
|  |  |  |
| --- | --- | --- |
| **Demo User ID (login)** | **Password** | **Persona Roles** |
| jcooper  (James Cooper) | welcome1 | Employee (Sales End User) |
| jstein  (John Steinbeck) | welcome1 | Manager (Process Owner) |
| wfaulk  (William Faulkner) | welcome1 | IT Employee (Administrator) |
| jlondon  (Jackie London) | welcome1 | LOB Employee (Analyst) |
| cdickens  (Charles Dickens) | welcome1 | Legal (Approver) |
| weblogic | welcome1 | System Admin User |

## Administration and Maintenance

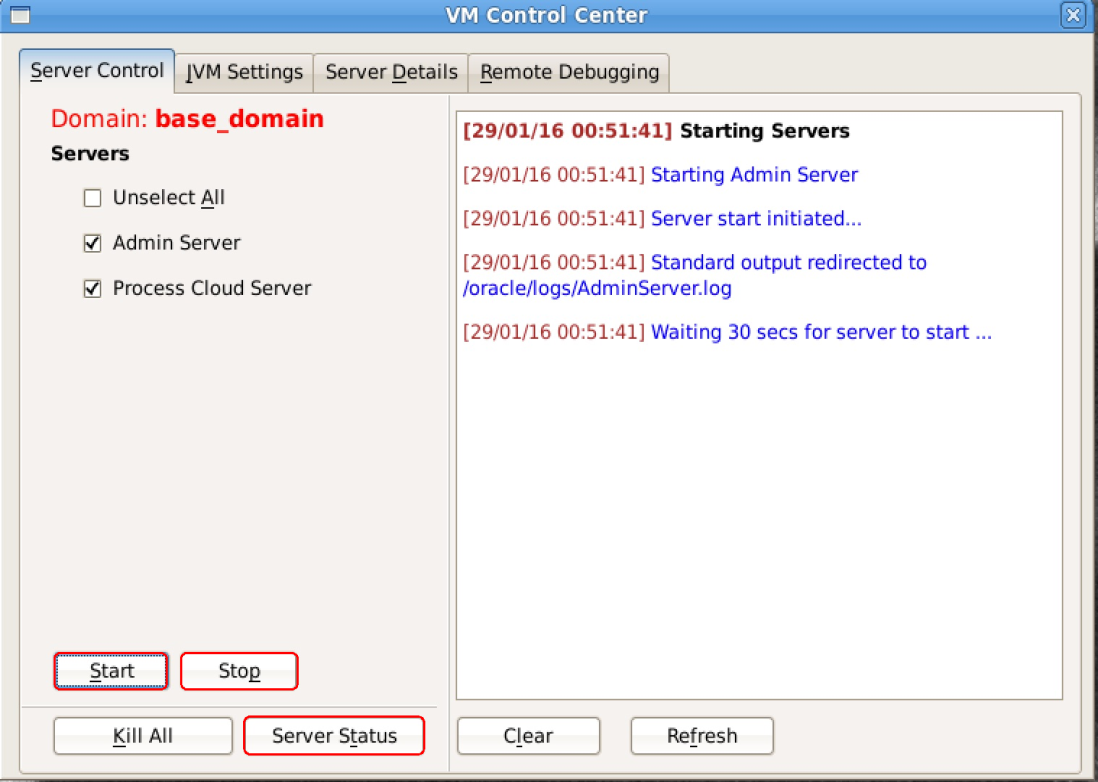
### Booting up & First Login

* + - While booting up, if the boot screen stays without reaching the command prompt, then click on the Alt + F key which should take you to the command prompt
    - On the first boot, you will need to login as root/oracle
      * You will be asked to enter your email id for registration
      * This is a onetime registration of the VM usage by any user
    - Once this is done on first boot, you can login to oracle/oracle user to start using the PCS applications
    - On all subsequent boots, you can login directly to oracle user for running the PaaS – PCS applications

### OS Users

* + - oracle/oracle
      * Login to this user always for running PCS
      * On login to oracle user, you will get the following menu from which you can select the ‘Desktop’ option to start the desktop GUI  
        
    - root/oracle
      * For any root level administration operations

### Starting & Stopping Services

* + **VM Control Center for PCS Services:** On the VM desktop of oracle user, click on the ‘Manage Weblogic Servers’ icon to start the VM control center
    - Select the service(s) to stop or start by checking the box against the *Admin Server* and/or *Process Cloud Server*
    - Use one of the buttons to perform the desired operations
      * Start => Start selected service(s)
      * Stop => Stop selected service(s)
      * Server Status => Status of both services  
          
        

**JVM Settings**  
The settings of the Java Virtual Machine (JVM) can be configured from the VM Control Center, below are the default settings.  
  
Please note that the servers MUST be restarted whenever the JVM settings are modified.



### Product Directories

The home directory of the user is /home/oracle with the following relevant directories

* + **/oracle/software**  
    This directory includes the software installation bits including wls\_jrf\_generic.jar and pcs\_generic.jar. It also includes the workflow sample application with the demo user community for PCS, a download of JDK 7 update 67 and Oracle XE DB. A complete re-install of PCS can be performed using the software in this directory
  + **/oracle/middleware/oracle\_home**  
    This is the Middleware Home directory where PCS is installed. The install includes one **AdminServer** (port 7001) and a WLS domain **base\_domain.**
  + **/u01/app/oracle/product/11.2.0/xe**  
    This is the ORACLE\_HOME of Oracle Database Express Edition 11g R2.