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## Demo Attributes

|  |  |
| --- | --- |
| **Product(s)** | PaaS - SOA Cloud Service (SOACS) |
| **Date last updated** | Mar 31, 2016 |
| **Author(s)** | Shruthi G S |
| **GSE Demo Release Version(s)** | SOACS121C01 |
| **Demo Title(s)** | PaaS - SOA Cloud Service (SOACS) |

## Introduction

Oracle SOA Cloud Service provides a PaaS (Platform as a Service) computing platform solution for running *Oracle SOA Suite*, *Oracle Service Bus* and *Oracle API Manager* Applications in the cloud. Oracle SOA Suite provides a complete set of service infrastructure components for designing, deploying, and managing composite applications. Oracle Service Bus is a configuration-based, policy-driven enterprise service bus that provides capabilities for service discovery and mediation, rapid service provisioning and deployment, and governance. Oracle API Manager allows you to create and publish APIs that can then be easily discovered by your developer community through an API Portal.

## What’s New in this Release

This first release of SOACS on GSE is based on the version 12.1.3.0. SOACS is an iPaaS service offered on the Oracle Public Cloud (OPC). The service is based on the existing SOA Suite of products that are licensed for on-premise deployments. This goal of this service is to provide a fully automated, ready to build-test-deploy platform running on OPC that customers can rapidly summon up for use-cases that fit their need – development, testing or production.

## Key Features

* Scale Oracle SOA Cloud Service Nodes

[About scaling an Oracle SOA Cloud Service node](http://www.oracle.com/pls/topic/lookup?ctx=cloud&id=CSBCS-GUID-42A64A3A-3463-4B49-AF68-D1635243EAA6)

* Non-Metered Subscriptions Available

[You can now buy both metered and non-metered subscriptions to Oracle SOA Cloud Service. Read more...](http://www.oracle.com/pls/topic/lookup?ctx=cloud&id=CSBCS-GUID-40762289-7746-487D-86FE-BEB66C8AE0E2)

* Oracle Managed File Service Now Available

[Oracle Managed File Transfer (MFT) is a high performance, standards-based, end-to-end managed file gateway. Read more...](http://www.oracle.com/pls/topic/lookup?ctx=cloud&id=MFTCS)

* Oracle B2B Now Available

[Oracle B2B is an e-commerce gateway that enables the secure and reliable exchange of business documents between an enterprise and its trading partners. Read more..](http://www.oracle.com/pls/topic/lookup?ctx=cloud&id=XBBUG)

The domains that are supported by the first release of SOA CS are:

* SOA
* Service Bus
* SOA + Service Bus in one Domain
* API Manager

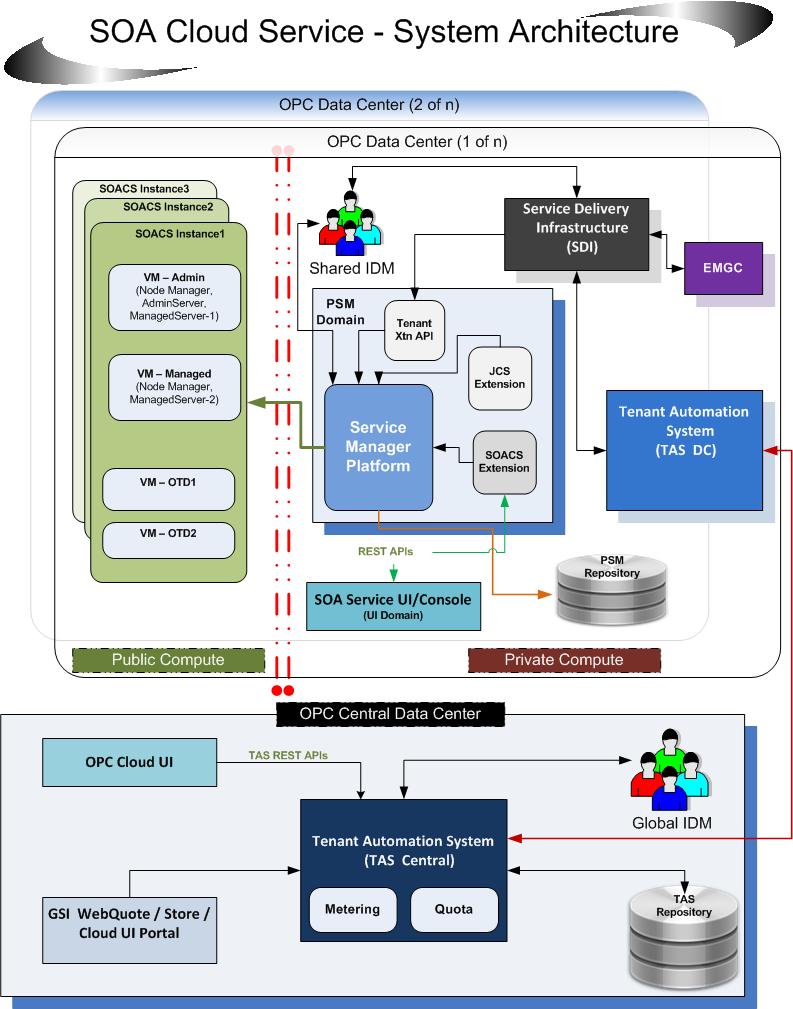
## Common Known Issues

* Sometimes provisioning of DBCS, SOA CS instances may take around 3-4 hrs.
* Product Known issues: <http://docs.oracle.com/cloud/latest/soacs_gs/CKISB/toc.htm>

## Platform Architecture

The Oracle Data Integrator platform integrates in the broader Fusion Middleware platform and becomes a key component of this stack. Oracle Data Integrator provides its run-time components as Java EE applications, enhanced to fully leverage the capabilities of the Oracle WebLogic Application Server. Oracle Data Integrator components include exclusive features for Enterprise-Scale Deployments, high availability, scalability, and hardened security.

High-level architecture diagram of the components that comprise the SOACS System for OPC Public Compute:

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## Bill of Materials

<<List the products and versions of them>>

## GSE Environment:

Demo environment name will be in the form of: jcsdemo0XXX which is the same as the cloud identity domain name. Here is a list of the ports used in each of the cloud demo environment:

### Ports Used:

|  |  |  |
| --- | --- | --- |
| **Ports Available from Within the Oracle Cloud Network** | | |
| **Resource** | **Protocol** | **Default Port** |
| Oracle WebLogic Server Administration Console | HTTP | 7001 |
| Oracle Fusion Middleware Control | HTTP | 7001 |
| Managed Server | HTTP | 8001 |
|  | HTTPS | 8002 |
| Database | SQL Net | 1521 |
|  |  |  |
| **Ports Available from Outside the Oracle Cloud Network** | | |
| **Resource** | **Protocol** | **Default Port** |
| Oracle WebLogic Server Administration Console | HTTPS | 7002 |
| Oracle Fusion Middleware Control | HTTPS | 7002 |
| Oracle Traffic Director Administration Console | HTTPS | 8989 |
| End user applications when the load balancer is enabled | HTTP | 80\* |
|  | HTTPS | 443 |
| End user applications when the load balancer is disabled and there are multiple managed servers | HTTP | 8001\* |
|  | HTTPS | 8002 |
| End user applications when the load balancer is disabled and there is only one managed server | HTTP | 80\* |
|  | HTTPS | 443 |
| Service instance VM | SSH | 22 |
| Oracle Traffic Director VM | SSH | 22 |

**Password Management:**

| **Login** | **Access** |
| --- | --- |
| DBA user (sys/system)  Weblogic user (weblogic) | Alpha2014\_ |

**Environment Information:**

|  |  |  |
| --- | --- | --- |
| **Disk Volume** | **Description** | **Mount Location** |
| Backup volume | Contains a copy of backups up to seven days old. | /u01/data/backup |
| DOMAIN\_HOME | Contains data for the domain corresponding to the Oracle Java Cloud Service instance. | /u01/data/domains |
| APPLICATION\_HOME | Contains deployed applications and application configuration files. | /u01/data/domains |
| MW\_HOME | Contains Oracle WebLogic Server binaries and OTD binaries. | /u01/app/oracle/middleware |
| JCS\_RESERVED | Contains files required by Oracle Java Cloud Service, that is, any binaries and related metadata that are required by the Oracle Java Cloud Service management layer. | /u01/app/oracle/tools |
| JDK\_HOME | Contains JDK binaries. | /u01/jdk |

### Administration & Maintenance

* **To restart the Administration Server:**

1. Navigate to the Topology page:
   1. Sign in to the My Services application at <http://cloud.oracle.com>. See [Signing In to the My Services Application](http://www.oracle.com/pls/topic/lookup?ctx=cloud&id=CSGSG173) in *Managing and Monitoring Oracle Cloud*. The My Services Dashboard is displayed.
   2. In the Oracle Java Cloud Service section, click **Service Console**. The Oracle Java Cloud Service Console is displayed.
   3. Click the name of the service instance in which you want to restart the Administration Server. The Oracle Java Cloud Service Instance page is displayed with the Overview tile in focus, displaying detailed information about the service instance.
   4. Click the Topology tile. The Oracle Java Cloud Service Instance page is refreshed with the Topology tile in focus.
   5. Click the Topology tab. The Topology page is displayed.
2. Click the Menu icon Menu icon adjacent to the Administration Server row and select **Restart**. A confirmation dialog is displayed.
3. Click **OK** in the confirmation dialog. A yellow status icon is displayed next to the service icon. The Administration Server VM starts. The yellow icon is no longer displayed.

* **To stop, start, or restart the Managed Server or load balancer VM:**

1. Navigate to the Topology page:
   1. Sign in to the My Services application at <http://cloud.oracle.com>. See [Signing In to the My Services Application](http://www.oracle.com/pls/topic/lookup?ctx=cloud&id=CSGSG173) in *Managing and Monitoring Oracle Cloud*. The My Services Dashboard is displayed.
   2. In the Oracle Java Cloud Service section, click **Service Console**. The Oracle Java Cloud Service Console is displayed.
   3. Click the name of the service instance in which you want to start, stop, or restart a Managed Server or load balancer VM. The Oracle Java Cloud Service Instance page is displayed with the Overview tile in focus, displaying detailed information about the service instance.
   4. Click the Topology tile. The Oracle Java Cloud Service Instance page is refreshed with the Topology tile in focus.
   5. Click the Topology tab.

The Topology page is displayed.

1. Click the Menu icon Menu icon to the right of the Managed Server or load balancer row and select **Stop**, **Start**, or **Restart**. A confirmation dialog is displayed.
2. Click **OK** in the confirmation dialog. The Managed Server or load balancer VM is stopped, started, or restarted.

### Cleanup Scripts and log files location:

/dss/utils/tech/cloud/SOACS/gse\_soa\_v1.0/GSEScripts

/dss/utils/tech/cloud/SOACS/logs/soa

### Web Access:

Local Access LaunchPad URL

[**https://myservices.us2.oraclecloud.com/mycloud/faces/dashboard.jspx**](https://myservices.us2.oraclecloud.com/mycloud/faces/dashboard.jspx)

## SOACS FAQ

<https://cloud.oracle.com/en_US/SOA?lmResID=1439473853567&tabID=1439473840137>

## Contacts

**GSE Support Contacts - Hotline Numbers:**

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