PlayceWASup

AMI & Installation Guide

Ver 1.0.0

OPENSOURCE CONSULTING

1. Playce WASup AMI Guide

1.1 Overview

This document provides the necessary guides for using Playce WASup with Playce WASup AMI.
This document is based on the Playce WASup 1.0.0 version.

1.2 Playce WASup Manager Instance Configuration

Playce WASup AMI contains a ready-to-run Playce WASup Manager at the selected version. In order to use this image, you need to launch it with your selected type, and log in via SSH to activate it.

1.2.1 Launching a Playce WASup Manager Instance

In order to launch Playce WASup, a few settings need to be configured on the AWS console as follows.
The instructions for launching an instance differ depending on where you launch from. Initially you will launch the instance from the AWS Marketplace.

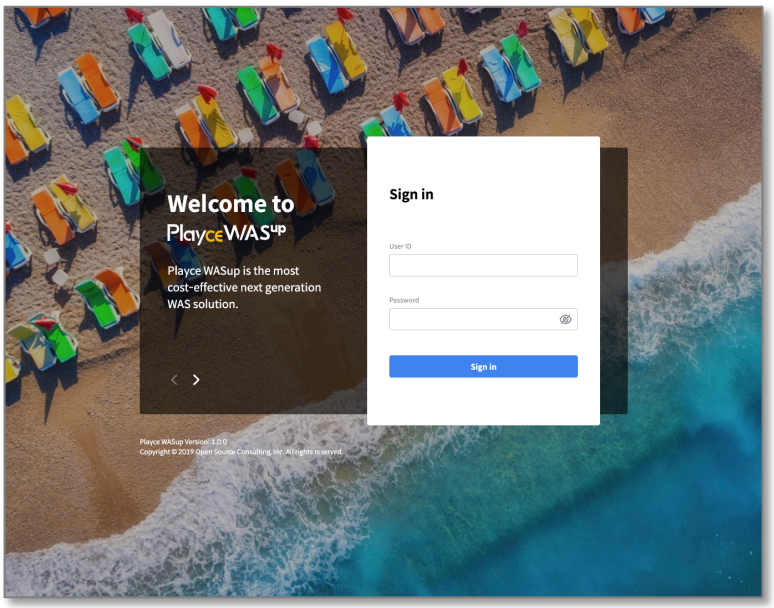
1.2.2 Connect to Playce WASup Manager Instance

Playce WASup is shipped with a base binary installation.
On the first login to the instance – after logging onto the instance via SSH as the 'ec2-user' user you will see basic information about Playce WASup installation.

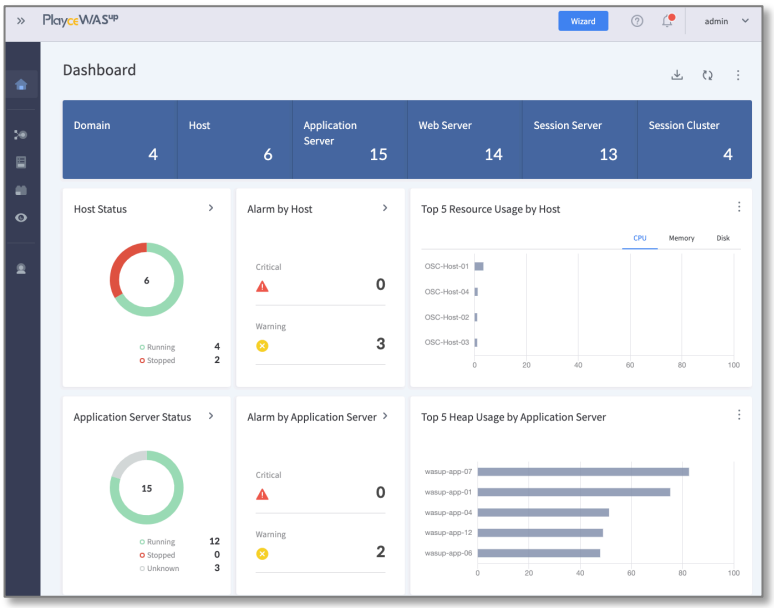
1.2.3 Run Playce WASup Manager

Follow below guidelines to run Manager.
1. Open browser and connect to <public_ip:port> (Default: public_ip:8080).
2. Type in User ID and Password, and click [Sign in] button.
   (Use user id "admin" and password your <ec2_instance_id>)
3. Move to [Dashboard (Home)] menu after successfully logging in.

Check below Playce WASup screenshot.



Playce WASup Dashboard (Home).




```
Custom configuration file for Playce WASup - "/opt/WASUp/wasup-manager/bin/
setenv.sh"
Start Playce WASup Manager - "sudo systemctl start wasup"
Stop Playce WASup Manager - "sudo systemctl stop wasup"
```

2. Playce WASup Installation Guide

2.1 Overview

This document is provided to help the installation and operation and Playce WASup Manager. This document is based on the Playce WASup 1.0.0 version.

2.2 System Requirements

Minimum Requirements

The minimum system requirements to install and operate Playce WASup are as follows:

JAVA SE	CPU	Memory	Disk	IP
Java SE 8 or Higher	Dual Core CPU	4.00 GB or Greater	5.00 GB or Greater	Static IP

Minimum System Requirements

Minimum system requirements to install Playce WASup for Manager, Agent and each Server types are as follows:

Class	JVM	Minimum Memory / Recommended Memory	Minimum Disk / Recommened Disk	OS
Manager	JRE 8+	512MB / 2GB	1GB / 30GB	CentOS 7.x+
Agent	JRE 8+	256MB / 512MB	1GB / 10GB	CentOS 7.x+
Web Server	N/A	256MB / 512MB	1GB / 10GB	CentOS 7.x+
App Server	JRE 8+	512MB / 1GB	1GB / 10GB	CentOS 7.x+
Session Server	JRE 8+	2GB / 2GB	1GB / 10GB	CentOS 7.x+
Scouter Server	JRE 8+	512MB / 1GB	1GB / 10GB	CentOS 7.x+

2.3 Preparing to install Playce WASup

2.3.1 Playce WASup Installation File

Playce WASup install file is provided in tar and zip file format. After uploading to target installation server, extract it to installation home directory '${WASup_Home}'. The default installation path is 'C:/opt/WASup/wasup-manger'. The Playce WASup installation file can be downloaded from the product homepage.

> This installation guide manual is based on Linux(CentOS).

2.3.2 Directories

The '${WASup_Home}' directory is structured as follows:

Directory	Description
/bin	• Contains WASup's Start/Stop and other functioning scripts • Uses *.sh file in Unix and *.bat file in Windows
/conf	• Basic file for the container and a directory where the most important server.xml files and configuration files are located
/logs	• Log files are located
/weapps	• Playce WASup manager web application is located
/repository	• Various files(agent, engine, template, etc.) required for Playce WASup are located

2.3.3 Playce WASup Preferences Setting

In order to set Playce WASup preferences, edit /setenv.sh file located ${WASup_Home}/bin.

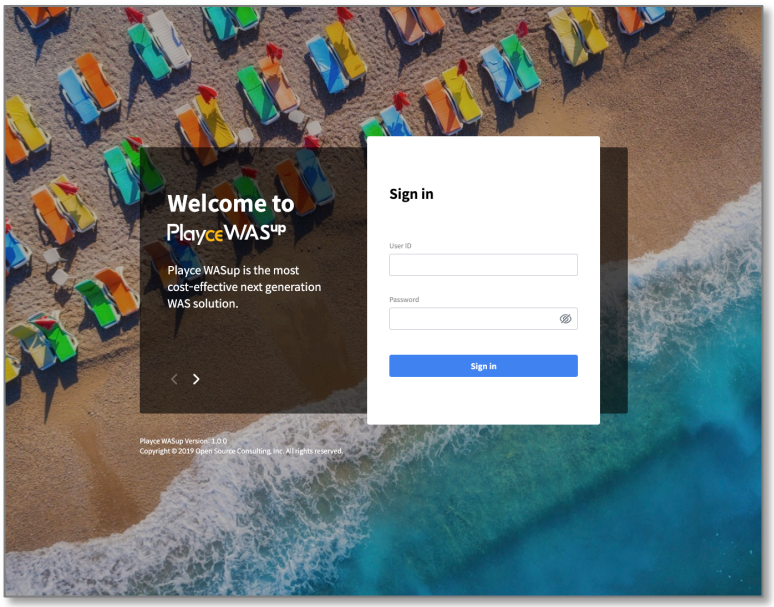
```
#!/bin/sh

#####################################################
#                                                   #
#        Configuraton for WASup manager             #
#                                                   #
#####################################################
# Log file path
JAVA_OPTS="$JAVA_OPTS -DLOG_PATH=$CATALINA_HOME/logs/"

# File(agent, engines, templates and etc.) repository path
JAVA_OPTS="$JAVA_OPTS -Dwasup.repository.path=$CATALINA_HOME/webapps/ROOT/s
tatic/repository/"

# WASup manager's $IP:$PORT (eg. 192.168.0.2:8080)
JAVA_OPTS="$JAVA_OPTS -Dwasup.manager.url="

# File encoding
JAVA_OPTS="$JAVA_OPTS -Dfile.encoding=UTF-8 -Dfile.client.encoding=UTF-8"

# Additional config
JAVA_OPTS="$JAVA_OPTS -Xms2048m -Xmx2048m -XX:MetaspaceSize=256m -XX:MaxMet
aspaceSize=256m"
JAVA_OPTS="$JAVA_OPTS -XX:+UseG1GC"
JAVA_OPTS="$JAVA_OPTS -XX:+PrintAdaptiveSizePolicy"
JAVA_OPTS="$JAVA_OPTS -XX:+UseLargePagesInMetaspace"
JAVA_OPTS="$JAVA_OPTS -XX:+ExplicitGCInvokesConcurrent"
JAVA_OPTS="$JAVA_OPTS -XX:+DisableExplicitGC"
JAVA_OPTS="$JAVA_OPTS -XX:ReservedCodeCacheSize=512m"
JAVA_OPTS="$JAVA_OPTS -XX:-UseCodeCacheFlushing"
JAVA_OPTS="$JAVA_OPTS -Djava.security.egd=file:/dev/urandom"

# Set derby db port to use another one.
# If you change the port, you have to set "spring.datasource.url" parameter
too.
# If you want to specify the database path name, add path between localhost
:1527 and wasupDB. (eg. localhost:1527//home/bill/DerbyDb/wasupDB)
#JAVA_OPTS="$JAVA_OPTS -Dwasup.derby.server.port=1527"
#JAVA_OPTS="$JAVA_OPTS -Dspring.datasource.url='jdbc:derby://localhost:1527
/wasupDB;create=true’”
```

```
#####################################################
#                                                   #
#      Default settings for WASup servers           #
#                                                   #
#####################################################
# SSH port number for new hosts (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.host.ssh.port=22"

# SSH account for new hosts (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.host.user.name=centos"

# Agent install path for new hosts (Optional, $USER_HOME will be used as de
fault)
JAVA_OPTS="$JAVA_OPTS -Dwasup.host.agent.install.path="

# Server install path for new spplication server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.app.server.install.path=/opt/WASup/servers/ap
p/"

# Java Home for new application server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.app.server.java.home="

# Run user for new application server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.app.server.run.user=centos"

# Java options for new application server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.app.server.java.options='-Xms1024m -Xmx1024m
-XX:MaxMetaspaceSize=256m -XX:MetaspaceSize=256m'"

# Server install path for new web server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.web.server.install.path=/opt/WASup/servers/we
b/"

# Document root for new web server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.web.server.document.root="

# Java Home for new session server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.session.server.java.home="

# Server install path for new session server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.session.server.install.path=/opt/WASup/server
s/session/"

# Java options for new session server (Optional)
JAVA_OPTS="$JAVA_OPTS -Dwasup.session.server.java.options='-Xms2048m -Xmx20
48m -XX:MaxMetaspaceSize=256m -XX:MetaspaceSize=256m’”
```

2.4 Run Manager

Follow below guidelines to run Manager.

1. Access directory ${WASup_Home}/bin.
2. Depending on the system, run startup.sh.
3. On browser, access http://$IP:$PORT and check below screenshot.



4. Type in USER ID and Password and click [Sign in] button. (Default login : admin / admin)
5. Move to [Dashboard (Home)] menu after successfully logging in.