Guide for Setting Up Platform

12/2/2017

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# 硬件参数

|  |  |  |
| --- | --- | --- |
| **Item** | **Specification** | **Comments** |
| RAM |  |  |
| CPU |  |  |
| OS Disk |  |  |
| Log Disk |  | /var/log/postgresql/ |
| Data Disk |  | /var/lib/postgresql/9.5/main |
| Swap Disk |  |  |

# 信息收集

Fill the form below

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Key** | **Value** | **Comments** |
| Postgresql Node | IP Address |  |  |
| App Server 1 | APP1 IP |  |  |
| App Server 2 | APP2 IP |  |  |

# 开始之前

## 所需文件

请确保你获得以下文件:

* [r200-deploy-scripts](https://acsbitbucket.honeywell.com/projects/BPSR200/repos/bpsr200/browse/7-SourceCode/CICD/r200-deploy-scripts)
* jdk-8u112-linux-x64.tar.gz
* bps-assembly-4.X.X.XXX-SNAPSHOT.zip

## 所需工具

请准备好以下工具:

* WinSCP (<http://winscp.net/> )
* PuTTY (<http://www.putty.org/>)
* Notepad ++ (可选, <https://notepad-plus-plus.org/>) (WinSCP和Notepad++ 的集成可参见 <https://winscp.net/eng/docs/integration_editor>)

# 安装JAVA\_JDK

Install JDK-1.8.0\_112:

Copy **jdk-8u112-linux-x64.tar.gz** package to "/opt/"

# cd /opt/

# tar -zxvf jdk-8u112-linux-x64.tar.gz

# 部署

参考文档：https://acswiki.honeywell.com/pages/viewpage.action?pageId=151560991

# 建立防火墙

## 更新防火墙配置

sudo apt install firewalld

sudo firewall-cmd --permanent --zone=internal --add-port=5432/tcp

sudo firewall-cmd --permanent --zone=internal --add-source=**app1\_ip(172.16.1.1)**

sudo firewall-cmd –reload

## 检查防火墙状态

sudo firewall-cmd --zone=internal --list-all

输出应该如下:

internal

interfaces:

sources: ***ip\_addresses***

services: dhcpv6-client ipp-client mdns samba-client ssh

ports: **5432/tcp**

masquerade: no

forward-ports:

icmp-blocks:

rich rules:

# 配置servicemix自启动

As for your regular testing on BPS platform package from Bamboo daily build, you can execute the following Karaf commands after the servicemix is started:

1. karaf@root>feature:install wrapper
2. karaf@root>wrapper:install

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/bin/karaf-wrapper*

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/bin/karaf-service*

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/bin/karaf.service*

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/etc/karaf-wrapper.conf*

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/lib/libwrapper.so*

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/lib/karaf-wrapper.jar*

*Creating file: /home/hans/bps-assembly-1.0.0-SNAPSHOT/lib/karaf-wrapper-main.jar*

*Setup complete.  You may wish to tweak the JVM properties in the wrapper configuration file:*

*/home/hans/bps-assembly-1.0.0-SNAPSHOT/etc/karaf-wrapper.conf*

*before installing and starting the service.*

*Ubuntu/Debian Linux system detected (SystemV):*

*To install the service:*

*$ ln -s /home/hans/bps-assembly-1.0.0-SNAPSHOT/bin/karaf-service /etc/init.d/*

*To start the service when the machine is rebooted:*

*$ update-rc.d karaf-service defaults*

*To disable starting the service when the machine is rebooted:*

*$ update-rc.d -f karaf-service remove*

*To start the service:*

*$ /etc/init.d/karaf-service start*

*To stop the service:*

*$ /etc/init.d/karaf-service stop*

*To uninstall the service :*

*$ rm /etc/init.d/karaf-service*

*For systemd compliant Linux:*

*To install the service (and enable at system boot):*

*$ systemctl enable /home/hans/bps-assembly-1.0.0-SNAPSHOT/bin/karaf.service*

*To start the service:*

*$ systemctl start karaf*

*To stop the service:*

*$ systemctl stop karaf*

*To check the current service status:*

*$ systemctl status karaf*

*To see service activity journal:*

*$ journalctl -u karaf*

*To uninstall the service (and disable at system boot):*

*$ systemctl disable karaf*

1. karaf@root>shutdown –f
2. To configure Apache Karaf started by the Service Wrapper, you have to tune the **etc/karaf-wrapper.conf** file:
3. Add ENC\_PWD environment variable:

***set.default.ENC\_PWD=fc0e9104afecca22d33d1b6b8951c2900baa3dfe9c3d256cac8472070e144117***

1. Update the default Maximum Java Heap Size (in MB) as you require:

***wrapper.java.maxmemory=4096***

1. Install the service:

root@BPSPlatform:~# ln -s *[SMX]*/bin/karaf-service /etc/init.d/

*[SMX] is the actual unzip path of BPS R200 package*

1. Start the service when the machine is rebooted:

root@BPSPlatform:~# update-rc.d karaf-service defaults

1. Start the service:

root@BPSPlatform:~# service karaf-service start

1. Stop the service:

root@BPSPlatform:~# service karaf-service stop

1. Uninstall the service:

root@BPSPlatform:~# rm /etc/init.d/karaf-service

检查*[SMX]* /etc /karaf-wrapper.conf ，确保set.default.JAVA\_HOME属性指向正确的JAVA\_HOME

# 验证安装