

# 商汤科技

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## SenseStudio-ID 商汤智能身份核验平台V2.1.0

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### Docker 版安装部署手册

[www.sensetime.com](http://www.sensetime.com)

PRODUCT  
MANUAL



## 文档修订记录

文档最近一次修订于 2020-09-23。

| 软件版本   | 修改日期       | 说明       |
|--------|------------|----------|
| V2.0   | 2020-05-16 | 初次编写     |
| V2.0   | 2020-05-22 | 修改激活授权部分 |
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# 1 硬件要求

## 1.1 低配版要求

表 1 内容为硬件配置最低要求

完整版本（FACE、OCR、LIVENESS、FEATURE、ADVANCED 及管理端）

|     |  |
|-----|--|
| CPU | Intel(R) Xeon(R) CPU SP 4216<br>需支持 AVX2.0 指令集 |
| 内存  | DDR4 16GB                                      |
| 硬盘  | 400GB (Crucial MX300 SSD / SATA 6Gbps)         |
| 网卡  | 千兆口*1  |

（表 1）

（只部署 FACE，OCR、LIVENESS、FEATURE、ADVANCED 其中一种能力），最低配置见表 2

|     |  |
|-----|--|
| CPU | Intel(R) Xeon(R) CPU SP 4216<br>需支持 AVX2.0 指令集 |
| 内存  | DDR4 8GB                                       |
| 硬盘  | 400GB(Crucial MX300 SSD / SATA 6Gbps)          |
| 网卡  | 千兆口*1  |

（表 2）

1.2 推荐配置要求

表 3 内容为硬件配置推荐要求

完整版本（FACE、OCR、LIVENESS、FEATURE、ADVANCED 及管理端）

|     |  |
|-----|--|
| CPU | Intel(R) Xeon(R) CPU SP 4216<br>需支持 AVX2.0 指令集 |
| 内存  | DDR4 64GB                                      |
| 硬盘  | 1050GB (Crucial MX300 SSD / SATA 6Gbps)        |
| 网卡  | 千兆口*1  |

（表 3）

（只部署 FACE，OCR、LIVENESS、FEATURE、ADVANCED 其中一种能力），最低配置  
见表 4

|     |  |
|-----|--|
| CPU | Intel(R) Xeon(R) CPU SP 4216<br>需支持 AVX2.0 指令集 |
| 内存  | DDR4 32GB                                      |
| 硬盘  | 1050GB(Crucial MX300 SSD / SATA 6Gbps)         |
| 网卡  | 千兆口*1  |

（表 4）

2 软件要求

|      |            |
|------|------------|
| 系统要求 | CENTOS 7.6 |
|------|------------|

3 需要开放的端口

|    |                   |
|----|-------------------|
| 80 | SenseStudio-ID 系统 |
|----|-------------------|

## 4 准备安装包

### 4.1 下载安装包

【注意】获取下载链接地址需联系商汤公司进行申请

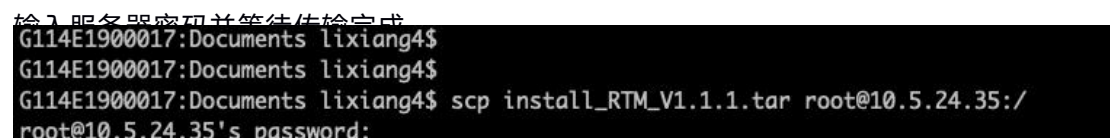
下文中的 x.x 代表实际产品的版本号

下载文件夹下的 install\_V2.x\_mmdd.tar.gz 文件到自己电脑中。

### 4.2 上传安装包至服务器

1. 如果是 Mac 或者 Linux 操作系统，可以打开 terminal 输入上传命令：

`scp install_V2.x_mmdd.tar.gz root@{SERVER IP}:/`



```
输入服务器IP并等待上传完成
G114E1900017:Documents lixiang4$
G114E1900017:Documents lixiang4$
G114E1900017:Documents lixiang4$ scp install_RTM_V1.1.1.tar root@10.5.24.35:/
root@10.5.24.35's password:
```

install\_V2.x\_mmdd.tar.gz 代表安装包，root 代表服务器登录用户名，10.5.24.35 代表服务器 IP，请根据实际情况更换，/代表服务器的根目录

2. 如果是 Windows 操作系统，可以使用 xshell 上传之前下载的文件至目标服务器根目录。

## 5 SenseStudio-ID 安装

【NOTE】如若客户授权方式为 CA 硬狗授权，需在执行安装 SSID 之前确保已按照 CA 授权相关文档进行安装与激活，普通授权方式可跳过此步骤。

### 5.1 解压 SSID 安装包

执行解压命令：`tar -xvf install_V2.x_mmdd.tar`

解压完成（全能力）如下图所示

```

install/ceph_data/executive/script/eureka-2.sh
install/ceph_data/lic/
install/ceph_data/lic/FINANCE_LIVENESS_4695E13C-A48F-47BA-A9E7-B973D1BDC984.lic
install/ceph_data/lic/KESTREL.lic
install/ceph_data/lic/FINANCE_OCR_003EBBFA-707E-487A-94E0-6F2FDE497200.lic
install/ceph_data/lic/FINANCE_FACE_9AF3A56A-9BB0-4B5F-997F-DEDD9434EBB.lic
install/ceph_data/config/
install/ceph_data/config/face/
install/ceph_data/config/face/application.yml
install/ceph_data/config/ocr/
install/ceph_data/config/ocr/application.yml
install/ceph_data/config/feature/
install/ceph_data/config/feature/application.yml
install/ceph_data/config/liveness/
install/ceph_data/config/liveness/application.yml
install/ceph_data/config/eureka/
install/ceph_data/config/eureka/config-3/
install/ceph_data/config/eureka/config-3/application.yml
install/ceph_data/config/eureka/config-1/
install/ceph_data/config/eureka/config-1/application.yml
install/ceph_data/config/eureka/config-2/
install/ceph_data/config/eureka/config-2/application.yml
install/ceph_data/config/quality/
install/ceph_data/config/quality/application.bak
install/ceph_data/config/quality/backup/
install/ceph_data/config/quality/backup/union_face_quality_face_blur.json
install/ceph_data/config/quality/backup/union_face_quality_blur.json
install/ceph_data/config/quality/application.yml
install/ceph_data/config/quality/union_face_quality.json
install/ssid_img/
install/ssid_img/ssid-ocr.tar
install/ssid_img/openjdk-8.tar
install/ssid_img/ssid-liveness.tar
install/ssid_img/ssid-quality.tar
install/ssid_img/eureka.tar
install/ssid_img/ssid-face.tar
install/ssid_img/ssid-feature.tar
install/ssid_img/ceph.tar
install/ssid_img/mysql.tar
install/config.sh
[root@dev-0 /]#

```

解压完成后的会形成 install 文件夹

```

[root@dev-0 /]# ls
bin boot dev etc home install install_V1.3_HA.tar lib lib64 media mnt opt proc root run sbin srv ssid sys usr var

```

执行命令进入到 install 文件夹： `cd install`

```

[root@localhost /]# cd install/
[root@localhost install]# ls
all_license config.sh data docker_img install.sh rpm shell uninstall.sh
[root@localhost install]#

```

## 5.2 配置安装参数

执行 config.sh 脚本： `sh config.sh`

请填写 SSID 安装路径（绝对路径，以/开头）：



请填写 SSID 图片路径（绝对路径，以/开头）:



请填写 SSID 日志路径（绝对路径，以/开头）:





请填写 hostserver 名称

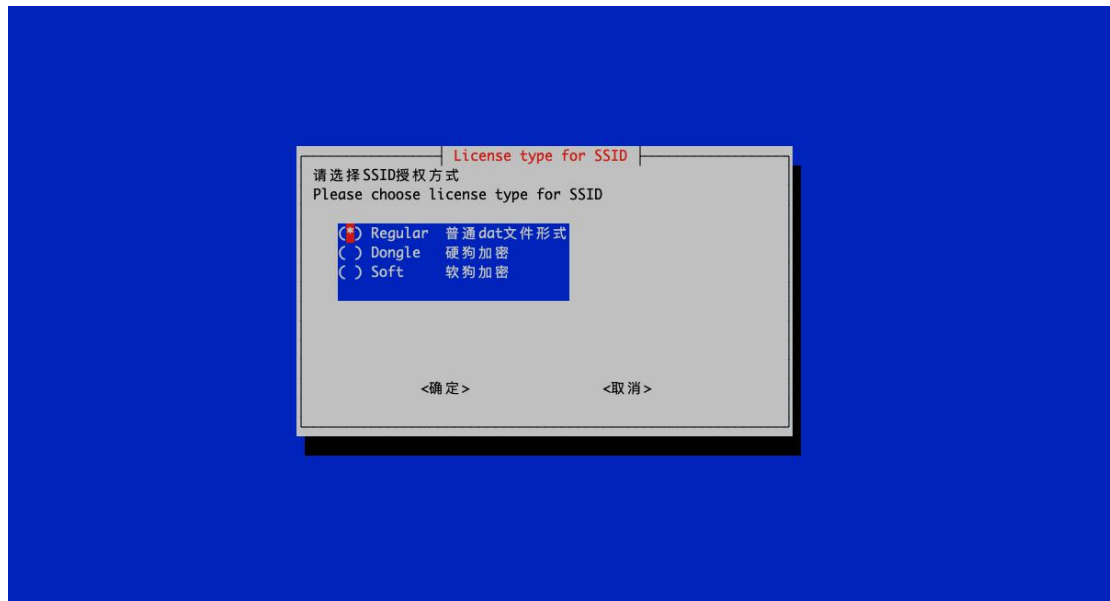
【NOTE】如若客户安装的版本为单能力，则此步可以回车跳过



请选择 SSID 授权方式

【NOTE】如若客户授权方式为 CA 硬狗授权，需在执行安装 SSID 之前确保已按照 CA 授权相关文档进行安装与激活，然后选择 Dongle 授权方式

## SSID 授权方式



输入 CA 主服务器 IP （未选择硬狗授权方式可直接回车跳过）

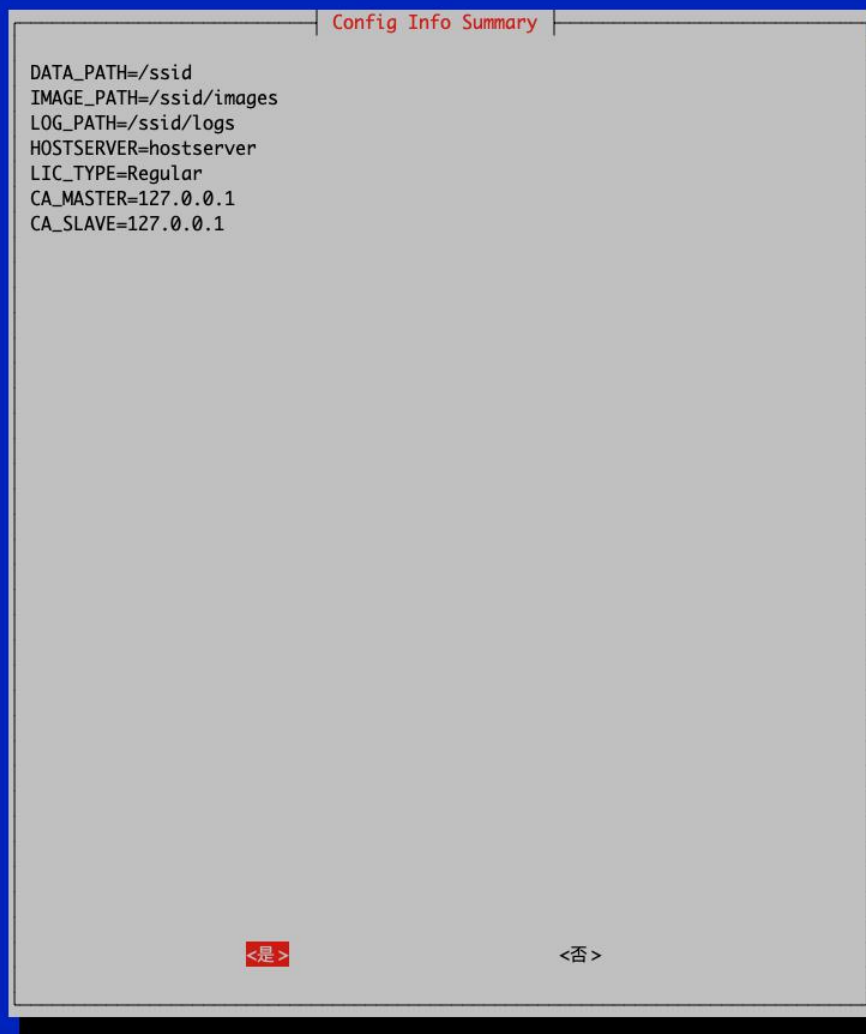


输入 CA 从服务器 IP （未选择硬狗授权方式可直接回车跳过）



A dialog box titled "Slave CA Server IP" with a red title bar. It contains the text "请输入从CA服务器IP" and "Please enter slave CA server IP". Below this is a text input field containing "127.0.0.1". At the bottom are two buttons: "<确定>" and "<取消>".

配置完成后如下所示(请检查配置信息是否输入正确, 若错误, 则选择取消重新开始):



A dialog box titled "Config Info Summary" with a red title bar. It displays the following configuration information:

```
DATA_PATH=/ssid  
IMAGE_PATH=/ssid/images  
LOG_PATH=/ssid/logs  
HOSTSERVER=hostserver  
LIC_TYPE=Regular  
CA_MASTER=127.0.0.1  
CA_SLAVE=127.0.0.1
```

At the bottom are two buttons: "<是>" and "<否>".

## 5.3 执行 SSID 安装

进入到安装目录，执行安装脚本：`sh install.sh`

```
[root@dev-0 install]# ls
ceph_data config.sh data install.sh rpm shell ssid_img uninstall.sh
[root@dev-0 install]# sh install.sh
```

安装完成如下图所示

```
+ sh /ceph/executive/script/app/face.sh
bc8de7a4bc69ff1ad4ccb98f27f70c54e4a993e999c1067e04e9d188d3617732
+ for SCRIPT_PATH in `find /ceph/executive/script/app -name "*.sh"`
+ sleep 1
+ sh /ceph/executive/script/app/ocr.sh
0c1e67de387ac10be2b2aa72f47873dc2ef92375517627c52ee5e9d1aba22ad5
+ for SCRIPT_PATH in `find /ceph/executive/script/app -name "*.sh"`
+ sleep 1
+ sh /ceph/executive/script/app/liveness.sh
b38be4d6c8a3f0a75a2dc0f5845f6e388bf6b2679392629a2401864e13c534e3
+ for SCRIPT_PATH in `find /ceph/executive/script/app -name "*.sh"`
+ sleep 1
+ sh /ceph/executive/script/app/advanced.sh
026c5b0969d0a879d3fb47bc7143dfd69cc078b014ac805dee0ac7c6471ee2
+ for SCRIPT_PATH in `find /ceph/executive/script/app -name "*.sh"`
+ sleep 1
+ sh /ceph/executive/script/app/feature.sh
2f708e480e289b6d8673264722d65cca37175d45455075637758c0db9a45bf18
=====success execute 1.5_setup_service.sh=====

=====start excutive 1.6_license.sh=====
+ '[' Regular == Regular ']'
+ sh /ceph/executive/script/license.sh
a9f8048fa253bf590e921dc1210da7affb592215072ab589b9176767864c8abe
=====success execute 1.6_license.sh=====

=====start excutive 1.7_add_crontab.sh=====
+ crontab -l
+ crontab -
+ echo '*/* * * * * sh /ceph/executive/script/check_service.sh'
+ service crond reload
Redirecting to /bin/systemctl reload crond.service
=====success execute 1.7_add_crontab.sh=====

=====SenseStudio-ID install success=====
```

查看服务是否成功启动，请参照 [Docker 服务的状态检查](#)。

## 5.4 激活授权

### 5.4.1 普通 DAT 文件形式

安装完成后执行命令进入 executive 文件夹：`cd /ceph/executive`

```
[root@dev-0 install]# ls
ceph_data config.sh data install.sh rpm shell ssid_img uninstall.sh
[root@dev-0 install]# cd /ceph/executive
[root@dev-0 executive]#
```

找到扩展名为.dat 的文件

```
[root@dev-0 executive]# ls
collectInfo.run dump file.dat script springconfig
```

输入以下命令：

Mac :`scp [服务器用户名]@[服务器 IP]:/ceph/executive/xxx.dat [本地路径]`

Windows: `sz xxx.dat`

将 xxx.dat 文件下载到本地后发送给商汤公司，由商汤公司生成 deployLic.run 文件再回传给

安装人员.拿到 deployLic.run 文件后将文件上传到部署服务器的/ceph/executive/目录下：

Mac: `scp [本地路径] /deployLic.run [服务器用户名]@[服务器 IP]: ceph/executive/`

Windows: `rz`

上传成功后输入命令：`ls`

```
[root@k8s-2 executive]# ls
collectInfo.run deployLic.run dump_file.dat galera-ss html script shc
```

执行授权，输入命令：`sh /ceph/executive/deployLic.run single`

```
[root@k8s-2 /]# sh /ceph/executive/deployLic.run single
Copying to a temporary location...
Verifying archive integrity... All good.
Uncompressing 100%
[root@k8s-2 /]#
```

授权成功如上图所示。

授权完成后重启服务，输入命令: `sh /ceph/executive/script/restart_service.sh`

## 5.4.2 其他授权方式

请参照 CA 授权服务安装文档进行授权。

## 6 SenseStudio-ID 卸载

如果 SSID 需要进行版本更新，或者安装失败，需要对原有系统的 SSID 进行卸载再进行重新安装

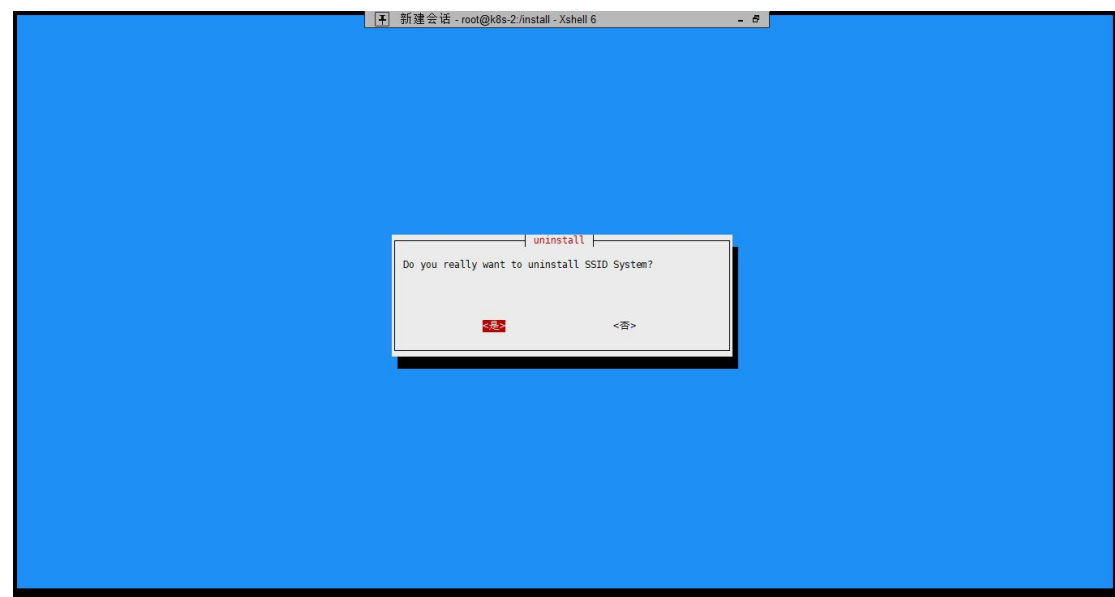
## 6.1 执行卸载脚本

切换到最外层目录，执行命令：`cd ..`

执行卸载脚本 `cd install`

```
[root@k8s-2 /]# cd install
[root@k8s-2 install]# ls
all license data docker_img install.log install.sh rpm shell uninstall.sh
```

执行 `uninstall.sh` 脚本：`sh uninstall.sh`



回车，开始卸载 SSID

```
Deleted: sha256:68b74b4b30607d02f6c77d595b816e595d236318c85a9
Deleted: sha256:aaa0d03d1e9ee207b08c92a0870a43de1066089fa08e57d1f597702311f0
Deleted: sha256:47ee95d1eb71d8fda90264a47a3c83177e86d584c8ca56051e06f32475e7f
Deleted: sha256:43851d62dce4cc67918f6b080c8e8cc6b617f15e8a3bd4208134daf3150979
Deleted: sha256:0492a6c3c9ce75a381937b71abc1097b59003c217700a9fb522729137cd8c1f5
Deleted: sha256:9982b1a48aa1d4deed17e940b26462a0170a5c90e10f28ba52297cacc0e9
Deleted: sha256:ed07039066fc14fa7e3ebec53382aa01a79176f3395a408ba776f189233a99
Deleted: sha256:4e96558f5b934d20375c7fe31ef6da1c5b3adcc3ef1ef0e944da31826a2a8781
Deleted: sha256:9fb297a388adaae806729c4aa4b34d8926b57825b7f5c6f6462fe5b2418b0a
Deleted: sha256:e0237a63680e91814c2187436bf877b77bcdbe2f039e38306971899ba309066
Deleted: sha256:ec3a8a7f08978085f024af810eb1c111010ba3ad04a599a10b8164c14ec53
Deleted: sha256:19261f688dac9e95c45e918a4374328ce0fee3bccd8b8bf2aaf7fa54caf8f
Deleted: sha256:8a43eb91122ffb8c673a3c1c8191ef02af80d23b14758d3be2a09631bb8ec14
Deleted: sha256:8015606a9e3e430cb7ba739fde2fbb3734a19f6a59a825ffa877f9e49059817
Untagged: ssid-mysql:5.7.22
Deleted: sha256:0184c13b662c941a56efb189041d23bf49380c8bd93e88ba9fed6aa79ad73b7
Deleted: sha256:bfd532799f72743d9e4f6fd9263f758c40b7e1cbf51222795b480c78d1eae9a0
Deleted: sha256:e990d5cf5bdc3044721c0850b9cbbade052741b2474312439e4dd77d8e3
Deleted: sha256:d07302ead19d083e5c8efb708b75c20a3a729e22a11743673bf3f654dd1c77
Deleted: sha256:e09f7e069b0c18c5f9deccf8b89274aa84f9f0d0e9d1f90307d72448ed58246
Deleted: sha256:e6e6e1bb8a16eadbe628770767815fcb8d67bf11dde69a902116ef847baa7e
Deleted: sha256:0806c4ec1d55d91a7087e12ae3bd4df252148994f99112090a83d50dc63784
Deleted: sha256:50879d9f98f75af01ae59c3b1f4d07d723701545913f0f68140e99b29147
Deleted: sha256:3918449e7f695f36f7a55c938558ab7872498fasc7e9d14af4d4699404045b0
Deleted: sha256:fac873d1ec4f5bbcc13f12170f558edc3c7fbf8215ae3d1c869940401bc14cf
Deleted: sha256:130f3e567e288fbbcb3ae7cd7aa6c8b3d952bebd3eae58f0a7da93acbb22a258
Untagged: ssid-mysql:1.13.12
Deleted: sha256:b175e7467d66648a836f66d762b02a56930ef616c874a73bab31be5f99a3b
Deleted: sha256:5e3907d4aae2b32494aa802beeb124b781eae2ca1d137c936a94b4880296c
Deleted: sha256:f48b94c99592b78ec2e8d17fe281dee714af22a4e0377096746fe526effe
Deleted: sha256:3383b0a6ad70edf49d0022818228d959d20a4cc55d01c32f8b62e226e2c2
Untagged: ssid-openjdk:8u111
Deleted: sha256:d23bdf5b1b1bfafce5f1d0fd33e7ed8afbc084b5949ccf742a5b27080d8a4a8
Deleted: sha256:0132aeac1bc9ac49d397635d34675915693a8727b103639ddee3cc5438e0f00a
Deleted: sha256:c011315277e10e6c0807a6c683e38be2879f9a195113129a2ca12f782d9fcf9
Deleted: sha256:3101a37c07970825d6029d15c4c3710a2ab49f45921f0f41e538e6d08901488
Deleted: sha256:b0053647bc72f97b7a9709a505a26a7a74a556c6aa025979e36532ff3df7cb8d
Deleted: sha256:087714904e0b44741cc07706b19c6d415724b20128f4b26ee59faec9a859416
Deleted: sha256:db77b10c1f3d32f6c308391a92361a09745421deb2491545064f8ba99b377c2
Deleted: sha256:4cb0c8d7007fec2dffc2c8c82f804f58070f0e2a045ffa3509277f9c1c693
Deleted: sha256:a2ae92ffcd297feded0320f4a4f709a723bae94e4881696874932b07aee2c
cleaning data.....

-----
uninstall success, server will be restarted after 5s
-----
[root@k8s-2 install]#
```

卸载完成如上图所示

## 7 Docker 服务的启停与检查

### 7.1 Docker 服务的状态检查

在根目录输入命令：`docker ps`

```
[root@test script]# docker ps
```

| CONTAINER ID | IMAGE                             | COMMAND                   | CREATED       | STATUS        | PORTS | NAMES         |
|--------------|-----------------------------------|---------------------------|---------------|---------------|-------|---------------|
| c041957eb3be | ssid-gcc:4.9                      | "/bin/bash -c 'cd /s..."  | 5 minutes ago | Up 5 minutes  |       | status_server |
| 266e450722c2 | ssid-gcc:4.9                      | "/bin/bash -c 'mkfif..."  | 8 minutes ago | Up 8 minutes  |       | feature       |
| 219fb29ed4ea | ssid-gcc:4.9                      | "/bin/bash -c 'mkfif..."  | 8 minutes ago | Up 8 minutes  |       | liveness      |
| e94c3c65ce3d | ssid-gcc:4.9                      | "/bin/bash -c 'mkfif..."  | 8 minutes ago | Up 8 minutes  |       | ocr           |
| 19c2fe09dd8c | ssid-gcc:4.9                      | "/bin/bash -c 'mkfif..."  | 8 minutes ago | Up 8 minutes  |       | advanced      |
| b411946da7a8 | ssid-gcc:4.9                      | "/bin/bash -c 'mkfif..."  | 8 minutes ago | Up 8 minutes  |       | face          |
| f58416801a44 | ssid-eureka:1.1                   | "java -Xms64m -Xmx38..."  | 8 minutes ago | Up 8 minutes  |       | eureka        |
| c3804d99ff52 | ssid-nginx:1.13.12                | "nginx -g 'daemon of..."  | 8 minutes ago | Up 8 minutes  |       | nginx         |
| 1c2e1095b8fb | face-search-static-cpu-docker:0.3 | "/face-search"            | 8 minutes ago | Up 8 minutes  |       | face-search   |
| dafb1cef5fd  | ssid-gcc:4.9                      | "/bin/bash -c 'comma..."  | 8 minutes ago | Up 8 minutes  |       | gateway       |
| a20713d87572 | ssid-gcc:4.9                      | "/bin/bash -c 'comma..."  | 8 minutes ago | Up 8 minutes  |       | auditlog      |
| 25bf37c5f452 | ssid-gcc:4.9                      | "/bin/bash -c 'comma..."  | 8 minutes ago | Up 50 seconds |       | guns          |
| 5035c6ff3c71 | cassandra:3.11.2                  | "docker-entrypoint.s..."  | 8 minutes ago | Up 8 minutes  |       | cassandra     |
| e482eae23f62 | ssid-redis:4.0.11                 | "docker-entrypoint.s..."  | 8 minutes ago | Up 8 minutes  |       | redis         |
| 03176e1155c6 | ssid-kafka:2.2.0                  | "bash /tmp/kafka.ent..."  | 8 minutes ago | Up 8 minutes  |       | kafka         |
| 47091b49337d | ssid-zookeeper:3.4.13             | "/docker-entrypoint.s..." | 8 minutes ago | Up 8 minutes  |       | zookeeper     |
| 451a9ffdaf2d | mysql:5.7.29                      | "docker-entrypoint.s..."  | 8 minutes ago | Up 8 minutes  |       | mysql         |

```
[root@test script]#
```

如上图，打印出的列表都为已经启动的 docker 容器。若需要查看某个服务的日志,请参照

如下命令 (e.g:查看 liveness 日志): `tail -f /ssid/logs/liveness/liveness.log`

【NOTE】{/ssid/log/} 路径为安装过程中设置的日志路径

```
hljava.lang.String,java.x.servlet.http.HttpServletRequest))
2020-01-15 15:35:37.691 [main][ ] INFO o.s.s.c.ThreadPoolTaskScheduler.initialize[171] - Initializing ExecutorService 'taskScheduler'
2020-01-15 15:35:39.288 [main][ ] INFO o.s.c.n.eureka.InstanceInfoFactory.create[72] - Setting initial instance status as: STARTING
2020-01-15 15:35:39.351 [main][ ] INFO c.netflix.discovery.DiscoveryClient.<init>[365] - Initializing Eureka in region us-east-1
2020-01-15 15:35:39.351 [main][ ] INFO c.netflix.discovery.DiscoveryClient.<init>[368] - Client configured to neither register nor query for data.
2020-01-15 15:35:39.375 [main][ ] INFO c.netflix.discovery.DiscoveryClient.<init>[381] - Discovery Client initialized at timestamp 1579073739372 with initial inst
ances count: 0
2020-01-15 15:35:39.398 [main][ ] INFO o.s.c.n.e.s.EurekaServiceRegistry.register[41] - Registering application LIVENESS with eureka with status UP
2020-01-15 15:35:39.401 [main][ ] INFO s.d.s.w.p.DocumentationPluginsBootstrapper.start[147] - Context refreshed
2020-01-15 15:35:39.448 [main][ ] INFO s.d.s.w.p.DocumentationPluginsBootstrapper.start[150] - Found 1 custom documentation plugin(s)
2020-01-15 15:35:39.548 [main][ ] INFO s.d.s.w.s.ApiListingReferenceScanner.scan[41] - Scanning for api listing references
2020-01-15 15:35:39.785 [main][ ] INFO c.s.s.l.config.inits.LicenseLoader.onApplicationEvent[38] - >>> load ocr license...
2020-01-15 15:35:39.788 [main][ ] INFO c.s.ssid.livens.pool.ActionWrapper.loadLicense[37] - >>> starting to load action LivenessNativeApi license...
>>> load liveness libs...
>>> load liveness libs success.
2020-01-15 15:35:39.817 [main][ ] INFO c.s.ssid.livens.pool.ActionWrapper.loadLicense[40] - >>> load action LivenessNativeApi license success!
2020-01-15 15:35:39.818 [main][ ] INFO c.s.s.l.config.inits.LicenseLoader.onApplicationEvent[44] - >>> load silent license...
2020-01-15 15:35:39.819 [main][ ] INFO c.s.s.l.config.inits.LicenseLoader.onApplicationEvent[46] - silentLicPath:/lic/FINANCE_LIVENESS_4695E13C-A4BF-47BA-A9E7-B97
301BDC984.lic
2020-01-15 15:35:39.819 [main][ ] INFO c.s.ssid.livens.pool.SilentWrapper.loadLicense[35] - >>> starting to load silent license...
>>>loading lic...
>>> load silent liveness libs...
>>> load silent liveness libs success.
2020-01-15 15:35:39.826 [main][ ] INFO c.s.ssid.livens.pool.SilentWrapper.loadLicense[46] - >>> load face load silent success!
2020-01-15 15:35:39.838 [main][ ] INFO c.s.s.l.config.inits.ModelLoader.onApplicationEvent[36] - >>> init ModelMap...
2020-01-15 15:35:39.839 [main][ ] INFO c.s.s.l.config.inits.ModelLoader.onApplicationEvent[38] - >>> completed to init ModelMap!
2020-01-15 15:35:40.174 [main][ ] INFO c.s.l.c.s.sensehatch.ShowStopper.authorize[52] - today = 20200115
2020-01-15 15:35:40.175 [main][ ] INFO c.s.l.c.s.sensehatch.ShowStopper.readFile[108] - file now date :20200108
2020-01-15 15:35:40.221 [main][ ] INFO org.xmlio.<clinit>[104] - XMLIO version 3.3.8.Final
2020-01-15 15:35:40.244 [main][ ] INFO org.xmlio.nio.<clinit>[155] - XMLIO NIO Implementation Version 3.3.8.Final
2020-01-15 15:35:40.370 [main][ ] INFO o.s.b.w.e.u.UndertowServletWebServer.start[144] - Undertow started on port(s) 8342 (http) with context path ''
2020-01-15 15:35:40.372 [main][ ] INFO o.s.c.n.e.s.EurekaAutoServiceRegistration.onApplicationEvent[145] - Updating port to 8342
2020-01-15 15:35:40.375 [main][ ] INFO c.s.s.livens.ActionLivensApplication.logStarted[59] - Started ActionLivensApplication in 20.959 seconds (J/M running for 21.947)
```

出现上图红框内日志信息则代表服务成功启动

### 7.2 Docker 的启停

输入命令关闭单个服务 (eg:关闭 liveness 服务): `docker rm -f liveness`



```
[root@k8s-5 ~]# docker ps
```

| CONTAINER ID | IMAGE                                 | COMMAND                  | CREATED      | STATUS       | PORTS                  | NAMES    |
|--------------|---------------------------------------|--------------------------|--------------|--------------|------------------------|----------|
| c8c58f593810 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago | Up 23 hours  |                        | ceph-mds |
| c9dabd364c53 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago | Up 23 hours  |                        | ceph-mon |
| 4fa488d90f60 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago | Up 23 hours  |                        | ceph-osd |
| 6e554d8d6182 | docker.sense.io/ssid-face:1.3         | "/face/start.sh"         | 23 hours ago | Up 9 seconds |                        | face     |
| 0ba1197c3172 | docker.sense.io/ssid-liveness:1.3     | "/liveness/start.sh"     | 23 hours ago | Up 23 hours  |                        | liveness |
| 7f016c33fb75 | docker.sense.io/ssid-quality:1.3      | "jdk-11/bin/java -Dj..." | 24 hours ago | Up 24 hours  |                        | quality  |
| 34a8cd132400 | docker.sense.io/ssid-ocr:1.3          | "/ocr/start.sh"          | 24 hours ago | Up 24 hours  |                        | ocr      |
| 644569ae90d8 | mysql:5.7.22                          | "docker-entrypoint s..." | 6 days ago   | Up 6 days    | 0.0.0.0:3306->3306/tcp | mysql    |
| c3dcad1c9e62 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 6 days ago   | Up 6 days    |                        | ceph-mgr |
| 9471d921a832 | docker.sense.io/ssid-feature:1.3      | "/feature/start.sh"      | 7 days ago   | Up 7 days    |                        | feature  |
| 1f5c1ecec4fa | docker.sense.io/ssid-eureka:1.1.2.RTM | "java -Xms64m -Xmx38..." | 7 days ago   | Up 7 days    |                        | eureka   |

```
[root@k8s-5 ~]# docker rm -f liveness
liveness
[root@k8s-5 ~]# ls
anaconda-ks.cfg  docker_rpm  pcs_rpm
您在 /var/spool/mail/root 中有新邮件
[root@k8s-5 ~]# ls
anaconda-ks.cfg  docker_rpm  pcs_rpm
[root@k8s-5 ~]# docker ps
```

| CONTAINER ID | IMAGE                                 | COMMAND                  | CREATED      | STATUS       | PORTS                  | NAMES    |
|--------------|---------------------------------------|--------------------------|--------------|--------------|------------------------|----------|
| c8c58f593810 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago | Up 23 hours  |                        | ceph-mds |
| c9dabd364c53 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago | Up 23 hours  |                        | ceph-mon |
| 4fa488d90f60 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago | Up 23 hours  |                        | ceph-osd |
| 6e554d8d6182 | docker.sense.io/ssid-face:1.3         | "/face/start.sh"         | 23 hours ago | Up 5 seconds |                        | face     |
| 7f016c33fb75 | docker.sense.io/ssid-quality:1.3      | "jdk-11/bin/java -Dj..." | 24 hours ago | Up 24 hours  |                        | quality  |
| 34a8cd132400 | docker.sense.io/ssid-ocr:1.3          | "/ocr/start.sh"          | 24 hours ago | Up 24 hours  |                        | ocr      |
| 644569ae90d8 | mysql:5.7.22                          | "docker-entrypoint s..." | 6 days ago   | Up 6 days    | 0.0.0.0:3306->3306/tcp | mysql    |
| c3dcad1c9e62 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 6 days ago   | Up 6 days    |                        | ceph-mgr |
| 9471d921a832 | docker.sense.io/ssid-feature:1.3      | "/feature/start.sh"      | 7 days ago   | Up 7 days    |                        | feature  |
| 1f5c1ecec4fa | docker.sense.io/ssid-eureka:1.1.2.RTM | "java -Xms64m -Xmx38..." | 7 days ago   | Up 7 days    |                        | eureka   |

```
[root@k8s-5 ~]#
```

输入命令启动单个服务 (eg: 开启 livenesss 服务): [sh /ceph/executive/script/liveness.sh](#)

```
[root@k8s-5 ~]# cd /ceph/executive/script/
[root@k8s-5 script]# ls
check_service.sh  eureka-1.sh  eureka-2.sh  eureka-3.sh  face.sh  feature.sh  license.sh  liveness.sh  ocr.sh  quality.sh
[root@k8s-5 script]# sh /ceph/executive/script/liveness.sh
Error: No such container: liveness
a7ebcd1001a5980cbb37b97cbb2e46a3d608adcc6e65a1488615b1011339495
您在 /var/spool/mail/root 中有新邮件
[root@k8s-5 script]# docker ps
```

| CONTAINER ID | IMAGE                                 | COMMAND                  | CREATED        | STATUS        | PORTS                  | NAMES    |
|--------------|---------------------------------------|--------------------------|----------------|---------------|------------------------|----------|
| a7ebcd1001a  | docker.sense.io/ssid-liveness:1.3     | "/liveness/start.sh"     | 37 seconds ago | Up 37 seconds |                        | liveness |
| c8c58f593810 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago   | Up 23 hours   |                        | ceph-mds |
| c9dabd364c53 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago   | Up 23 hours   |                        | ceph-mon |
| 4fa488d90f60 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 23 hours ago   | Up 23 hours   |                        | ceph-osd |
| 6e554d8d6182 | docker.sense.io/ssid-face:1.3         | "/face/start.sh"         | 23 hours ago   | Up 3 seconds  |                        | face     |
| 7f016c33fb75 | docker.sense.io/ssid-quality:1.3      | "jdk-11/bin/java -Dj..." | 24 hours ago   | Up 24 hours   |                        | quality  |
| 34a8cd132400 | docker.sense.io/ssid-ocr:1.3          | "/ocr/start.sh"          | 24 hours ago   | Up 24 hours   |                        | ocr      |
| 644569ae90d8 | mysql:5.7.22                          | "docker-entrypoint s..." | 6 days ago     | Up 6 days     | 0.0.0.0:3306->3306/tcp | mysql    |
| c3dcad1c9e62 | ceph/daemon:latest-luminous-devel     | "/opt/ceph-container..." | 6 days ago     | Up 6 days     |                        | ceph-mgr |
| 9471d921a832 | docker.sense.io/ssid-feature:1.3      | "/feature/start.sh"      | 7 days ago     | Up 7 days     |                        | feature  |
| 1f5c1ecec4fa | docker.sense.io/ssid-eureka:1.1.2.RTM | "java -Xms64m -Xmx38..." | 7 days ago     | Up 7 days     |                        | eureka   |

```
[root@k8s-5 script]#
```

若需关闭所有服务, 请输入命令(不推荐使用): [systemctl stop docker](#)





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