iMC进程在linux操作系统下的停止以及启动方法

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iMC日常维护时，可能会经常遇到需要重启某个进程或整体进程重启的情况。当iMC部署在windows环境下时，可以使用windows的远程桌面来方便的进行操作；当iMC部署在linux环境下时，大部分人可能会感觉操作比较繁琐，因为还要进入linux的图形化界面来进行操作，效率大打折扣。其实，iMC已经提供了命令行方式来停止或者启动各个进程。

本案例提供一种使用linux命令行方式来操作iMC进程的方法。

保证能够使用终端电脑ssh到linux服务器即可

1、首先需要进入到iMC的安装目录下deploy文件夹下，具体命令如下，使用ls命令可以查看到在该路径下用一个procctl.sh的脚本，后续所有的操作都是基于该脚本。

使用./procctl.sh -plist命令可以查看该服务器上iMC进程所对应的ID、CPU利用率、内存利用率、启动时间等信息，我们要用到的就是这个ID信息。对于iMC进程而言，不管如何进行重启操作，该ID值不会改变

```
[root@XM-SM-BB-H-iMC-PLAT xmsom]#
[root@XM-SM-BB-H-iMC-PLAT xmsom]#
[root@XM-SM-BB-H-iMC-PLAT xmsom]# cd /home/iMC/deploy/
[root@XM-SM-BB-H-iMC-PLAT deploy]#
[root@XM-SM-BB-H-iMC-PLAT deploy]#
[root@XM-SM-BB-H-iMC-PLAT deploy]# ls
1.pcap   bbb.txt     conf        dma.sh   doctor.sh   install.sh   log         procctl.sh   setloglevel.sh  svcinst.sh  uninstall.sh
aaa.txt  components  deploy.jar  dms.sh   installed   jdk          logfiles.sh pwdmgr.sh    splash.jpg      truststore
[root@XM-SM-BB-H-iMC-PLAT deploy]# ./procctl.sh -plist
ID  PROCESS   STATUS  LOCATION   CPU%  MEM(KB)   STARTTIME          TYPE  STARTMODE
3001002 | dbman | Started | localhost | 0.0 | 5780.0 | 2017-08-30 09:25:35 | Core | Auto
3001014 | imcacldm | Started | localhost | 0.0 | 42596.0 | 2017-08-30 09:25:40 | Managable | Auto
3001020 | imcapmedm | Started | localhost | 0.06 | 224804.0 | 2017-08-30 09:26:03 | Managable | Auto
3001010 | imccfgbakdm | Started | localhost | 0.0 | 43584.0 | 2017-08-30 09:25:40 | Managable | Auto
3001007 | imccmdmgrdm | Started | localhost | 0.0 | 53712.0 | 2017-08-30 09:25:40 | Managable | Auto
3001008 | imcfaultdm | Started | localhost | 0.02 | 107128.0 | 2017-08-31 15:27:19 | Managable | Auto
3001011 | imciccdm | Started | localhost | 0.0 | 16092.0 | 2017-08-30 09:25:40 | Managable | Auto
3001015 | imcinventorydm | Started | localhost | 0.0 | 52908.0 | 2017-08-30 09:25:40 | Managable | Auto
3001006 | imcjobmgrdm | Started | localhost | 0.0 | 29792.0 | 2017-08-31 15:32:55 | Managable | Auto
3001005 | imcl2topodm | Started | localhost | 0.04 | 79100.0 | 2017-08-30 09:25:40 | Managable | Auto
3001004 | imcnetresdm | Started | localhost | 0.06 | 175964.0 | 2017-08-31 15:26:38 | Managable | Auto
3001012 | imcperfdm | Started | localhost | 0.0 | 98388.0 | 2017-08-30 09:25:40 | Managable | Auto
3001019 | imcradrecvdm | Started | localhost | 0.0 | 13604.0 | 2017-08-30 09:25:41 | Managable | Auto
3001018 | imcssmdm | Started | localhost | 0.0 | 102040.0 | 2017-08-30 09:25:40 | Managable | Auto
3001016 | imcsyslogdm | Started | localhost | 0.17 | 62976.0 | 2017-08-30 09:25:40 | Managable | Auto
3001009 | imcupgdm | Started | localhost | 0.0 | 46932.0 | 2017-08-30 09:25:40 | Managable | Auto
3001013 | imcvlandm | Started | localhost | 0.01 | 77652.0 | 2017-08-30 09:25:40 | Managable | Auto
3001017 | imcvnmdm | Started | localhost | 0.0 | 115024.0 | 2017-08-30 09:26:03 | Managable | Auto
3001003 | img | Started | localhost | 0.01 | 17564.0 | 2017-08-30 09:25:35 | Core | Auto
3001001 | tftpserver | Started | localhost | 0.0 | 21276.0 | 2017-08-30 09:25:25 | Managable | Auto
1001 | jserver | Started | localhost | 2.76 | 3.600118E7 | 2017-08-31 18:11:54 | Managable | Auto
1039 | seplat | Started | localhost | 0.0 | 3.6560268E7 | 2017-08-30 09:25:24 | Managable | Auto
1109 | ssmserver | Started | localhost | 0.01 | 4721492.0 | 2017-08-30 09:25:24 | Managable | Auto
1044 | apmserver | Started | localhost | 0.0 | 1353020.0 | 2017-08-30 09:25:24 | Managable | Auto
248001002 | dbman | Started | 192.168.150.112 | 0.0 | 2872.0 | 2017-08-30 09:25:48 | Core | Auto
248001001 | tftpserver | Started | 192.168.150.112 | 0.0 | 12120.0 | 2017-08-30 09:25:38 | Managable | Auto
244001002 | dbman | Started | 192.168.150.111 | 0.0 | 5536.0 | 2017-08-30 09:25:58 | Core | Auto
244001005 | imcwipsdm | Started | 192.168.150.111 | 0.05 | 272036.0 | 2017-08-31 19:42:50 | Managable | Auto
244001003 | imcwlandm | Started | 192.168.150.111 | 0.87 | 666392.0 | 2017-09-01 00:08:20 | Managable | Auto
244001004 | imcwlanperfdm | Started | 192.168.150.111 | 0.03 | 566620.0 | 2017-08-30 09:25:58 | Managable | Auto
244001001 | tftpserver | Started | 192.168.150.111 | 0.0 | 14764.0 | 2017-08-30 09:25:48 | Managable | Auto
[root@XM-SM-BB-H-iMC-PLAT deploy]#
```

2、使用./procctl.sh -pstop命令+进程ID，可以停止对应的进程。此处以jserver为例，jserver对应的ID为1001，执行完命令后再用-plist命令查看，发现jserver进程已经处于停止状态，同理也可以使用该命令操作其他进程

```
[root@XM-SM-BB-H-iMC-PLAT deploy]# ./procctl.sh -pstop 1001
Stop process 1001 commond send  successed
[root@XM-SM-BB-H-iMC-PLAT deploy]# ./procctl.sh -plist
ID  PROCESS   STATUS  LOCATION   CPU%  MEM(KB)   STARTTIME          TYPE  STARTMODE
3001002 | dbman | Started | localhost | 0.0 | 5780.0 | 2017-08-30 09:25:35 | Core | Auto
3001014 | imcacldm | Started | localhost | 0.0 | 42596.0 | 2017-08-30 09:25:40 | Managable | Auto
3001020 | imcapmedm | Started | localhost | 0.06 | 228512.0 | 2017-08-30 09:26:03 | Managable | Auto
3001010 | imccfgbakdm | Started | localhost | 0.0 | 43616.0 | 2017-08-30 09:25:40 | Managable | Auto
3001007 | imccmdmgrdm | Started | localhost | 0.0 | 53712.0 | 2017-08-30 09:25:40 | Managable | Auto
3001008 | imcfaultdm | Started | localhost | 0.02 | 108560.0 | 2017-08-31 15:27:19 | Managable | Auto
3001011 | imciccdm | Started | localhost | 0.0 | 16092.0 | 2017-08-30 09:25:40 | Managable | Auto
3001015 | imcinventorydm | Started | localhost | 0.0 | 53056.0 | 2017-08-30 09:25:40 | Managable | Auto
3001006 | imcjobmgrdm | Started | localhost | 0.0 | 30316.0 | 2017-08-31 15:32:55 | Managable | Auto
3001005 | imcl2topodm | Started | localhost | 0.04 | 80228.0 | 2017-08-30 09:25:40 | Managable | Auto
3001004 | imcnetresdm | Started | localhost | 0.05 | 176716.0 | 2017-08-31 15:26:38 | Managable | Auto
3001012 | imcperfdm | Started | localhost | 0.0 | 97676.0 | 2017-08-30 09:25:40 | Managable | Auto
3001019 | imcradrecvdm | Started | localhost | 0.0 | 13604.0 | 2017-08-30 09:25:41 | Managable | Auto
3001018 | imcssmdm | Started | localhost | 0.0 | 102040.0 | 2017-08-30 09:25:40 | Managable | Auto
3001016 | imcsyslogdm | Started | localhost | 0.17 | 62348.0 | 2017-08-30 09:25:40 | Managable | Auto
3001009 | imcupgdm | Started | localhost | 0.0 | 46932.0 | 2017-08-30 09:25:40 | Managable | Auto
3001013 | imcvlandm | Started | localhost | 0.01 | 78080.0 | 2017-08-30 09:25:40 | Managable | Auto
3001017 | imcvnmdm | Started | localhost | 0.0 | 115020.0 | 2017-08-30 09:26:03 | Managable | Auto
3001003 | img | Started | localhost | 0.01 | 17560.0 | 2017-08-30 09:25:35 | Core | Auto
3001001 | tftpserver | Started | localhost | 0.0 | 21720.0 | 2017-08-30 09:25:25 | Managable | Auto
1001 | jserver | Stoped | localhost | 3.31 | 3.5956904E7 | 2017-08-31 18:11:54 | Managable | Auto
1039 | seplat | Started | localhost | 0.0 | 3.6560268E7 | 2017-08-30 09:25:24 | Managable | Auto
1109 | ssmserver | Started | localhost | 0.01 | 4721492.0 | 2017-08-30 09:25:24 | Managable | Auto
1044 | apmserver | Started | localhost | 0.0 | 1353020.0 | 2017-08-30 09:25:24 | Managable | Auto
248001002 | dbman | Started | 192.168.150.112 | 0.0 | 2872.0 | 2017-08-30 09:25:48 | Core | Auto
248001001 | tftpserver | Started | 192.168.150.112 | 0.0 | 12120.0 | 2017-08-30 09:25:38 | Managable | Auto
244001002 | dbman | Started | 192.168.150.111 | 0.0 | 5536.0 | 2017-08-30 09:25:58 | Core | Auto
244001005 | imcwipsdm | Started | 192.168.150.111 | 0.12 | 208572.0 | 2017-09-01 11:15:20 | Managable | Auto
244001003 | imcwlandm | Started | 192.168.150.111 | 1.32 | 1113608.0 | 2017-09-01 00:08:20 | Managable | Auto
244001004 | imcwlanperfdm | Started | 192.168.150.111 | 0.03 | 560392.0 | 2017-08-30 09:25:58 | Managable | Auto
244001001 | tftpserver | Started | 192.168.150.111 | 0.0 | 14764.0 | 2017-08-30 09:25:48 | Managable | Auto
```

3、如何启动已经停止的进程呢，只需要将pstop参数改为pstart即可，操作方法如下图所示

```
[root@XM-SM-BB-H-iMC-PLAT deploy]# ./procctl.sh -pstart 1001
Start
[root@XM-SM-BB-H-iMC-PLAT deploy]# ./procctl.sh -plist
ID  PROCESS  STATUS  LOCATION   CPU%  MEM(KB)  STARTTIME   TYPE  STARTMODE
3001002  |  dbman  |  Started  |  localhost  |  0.0  |  5780.0  |  2017-08-30 09:25:35  |  Core  |  Auto
3001014  |  imcacldm  |  Started  |  localhost  |  0.0  |  42596.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001020  |  imcapmedm  |  Started  |  localhost  |  0.06  |  226892.0  |  2017-08-30 09:26:03  |  Managable  |  Auto
3001010  |  imccfgbakdm  |  Started  |  localhost  |  0.0  |  43616.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001007  |  imccmdmgrdm  |  Started  |  localhost  |  0.0  |  53712.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001008  |  imcfaultdm  |  Started  |  localhost  |  0.02  |  108560.0  |  2017-08-31 15:27:19  |  Managable  |  Auto
3001011  |  imciccdm  |  Started  |  localhost  |  0.0  |  16092.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001015  |  imcinventorydm  |  Started  |  localhost  |  0.0  |  53056.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001006  |  imcjobmgrdm  |  Started  |  localhost  |  0.0  |  30316.0  |  2017-08-31 15:32:55  |  Managable  |  Auto
3001005  |  imcl2topodm  |  Started  |  localhost  |  0.04  |  80228.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001004  |  imcnetresdm  |  Started  |  localhost  |  0.05  |  169444.0  |  2017-08-31 15:26:38  |  Managable  |  Auto
3001012  |  imcperfdm  |  Started  |  localhost  |  0.0  |  97676.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001019  |  imcradrecvdm  |  Started  |  localhost  |  0.0  |  13604.0  |  2017-08-30 09:25:41  |  Managable  |  Auto
3001018  |  imcssmdm  |  Started  |  localhost  |  0.0  |  102040.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001016  |  imcsyslogdm  |  Started  |  localhost  |  0.17  |  62348.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001009  |  imcupgdm  |  Started  |  localhost  |  0.0  |  46932.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001013  |  imcvlandm  |  Started  |  localhost  |  0.01  |  78080.0  |  2017-08-30 09:25:40  |  Managable  |  Auto
3001017  |  imcvnmdm  |  Started  |  localhost  |  0.0  |  115020.0  |  2017-08-30 09:26:03  |  Managable  |  Auto
3001003  |  img  |  Started  |  localhost  |  0.01  |  17560.0  |  2017-08-30 09:25:35  |  Core  |  Auto
3001001  |  tftpserver  |  Started  |  localhost  |  0.0  |  21720.0  |  2017-08-30 09:25:25  |  Managable  |  Auto
1001  |  jserver  |  Stoped  |  localhost  |  0.0  |  0.0  |    |  Managable  |  Auto
1039  |  seplat  |  Started  |  localhost  |  0.0  |  3.6560268E7  |  2017-08-30 09:25:24  |  Managable  |  Auto
1109  |  ssmserver  |  Started  |  localhost  |  0.01  |  4721492.0  |  2017-08-30 09:25:24  |  Managable  |  Auto
1044  |  apmserver  |  Started  |  localhost  |  0.01  |  1353020.0  |  2017-08-30 09:25:24  |  Managable  |  Auto
248001002  |  dbman  |  Started  |  192.168.150.112  |  0.0  |  2872.0  |  2017-08-30 09:25:48  |  Core  |  Auto
248001001  |  tftpserver  |  Started  |  192.168.150.112  |  0.0  |  12120.0  |  2017-08-30 09:25:38  |  Managable  |  Auto
244001002  |  dbman  |  Started  |  192.168.150.111  |  0.0  |  5536.0  |  2017-08-30 09:25:58  |  Core  |  Auto
244001005  |  imcwipsdm  |  Started  |  192.168.150.111  |  0.12  |  208784.0  |  2017-09-01 11:15:20  |  Managable  |  Auto
244001003  |  imcwlandm  |  Started  |  192.168.150.111  |  1.32  |  1109116.0  |  2017-09-01 00:08:20  |  Managable  |  Auto
244001004  |  imcwlanperfdm  |  Started  |  192.168.150.111  |  0.03  |  559720.0  |  2017-08-30 09:25:58  |  Managable  |  Auto
244001001  |  tftpserver  |  Started  |  192.168.150.111  |  0.0  |  14764.0  |  2017-08-30 09:25:48  |  Managable  |  Auto
```

4、如果想要停止或者启动所有的进程，则使用./procctl.sh stop和./procctl.sh start命令即可

1、执行该脚本时最好切换到root账户执行，使用其他账户可能权限不够
2、很多进程停止或者启动都需要一定时间，执行完命令后，隔一段时间再去查看进程状态，不要误以为命令没有生效