

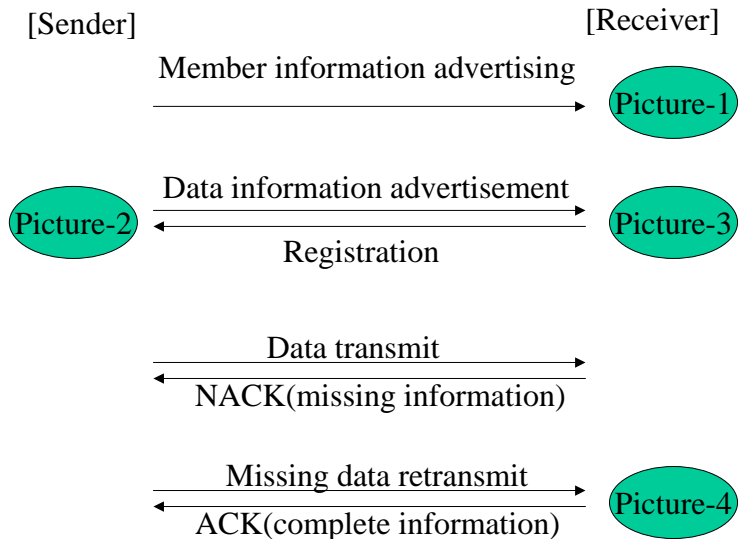
SAKURAFUBUKI^{3rd} tutorial

Version 0.4

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Flow Chart



Demonstration

- Send to teacher's computer -

Show list of received current data
(Picture-1)



The screenshot shows a web browser window displaying a page titled "Internal A&S DataDistributionServer Admin". The page content includes the text "All membership information is received advertising" and "The number of membership info is received 2". Below this is a table with columns: NUMBER, GroupID, Name, Group ID, MemberCount, Length, and OP. The table contains two rows of data. At the bottom of the page, there is a link labeled "BACK to HOME" and a footer with the text "©2006 Alibaba, www.alibaba.com All rights reserved."

NUMBER	GroupID	Name	Group ID	MemberCount	Length	OP
0	20		3	200		Detail
1	20		10	200		Detail

Add New Data (Picture-2)



Show list of received current data (Picture-3)



Check receiving data with log file (Picture-4)

- `tail -f /var/log/implsdds.xxxxx.log`
 - INFO: [L255] :CELLSTORAGE: InitStorage Successful / status = 1
 - INFO: [L255] :RECVTRANSMIT: InitStorage Successful [/test.bin]
 - INFO: [L2] :RECVTRANSMIT: Not Set preProcCmd
 - INFO: [L255] :RECVTRANSMIT: initial multicast TTL:4
 - INFO: [L255] :[v4] ReceiverDataTransmitterProc() 21000
 - INFO: [L255] :RECVTRANSMIT: transmit status = 0
 - INFO: [L255] :SINP_CLIENT: Exec _sinpClientProc4
 - INFO: [L255] :SINP_CLIENT: Delete INFO
 - INFO: [L2] :CELLSTORAGE: **Data Complete '/test.bin'**

Check actual data file

- `ls -la /soi`
 - rw-r--r-- 674 Feb 19 19:43 test.bin

Lesson 1

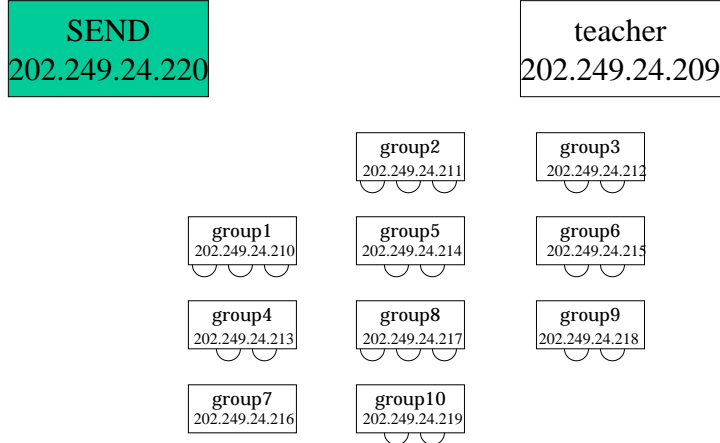
- Send sample file to your computers -

Set up your host information in configure file

Edit /usr/local/implsdds/recv.ini

- ReceiverMulticast IF4
 - Set ip address of each machine
- ReceiverIdentity
 - Set Identity for this software(see next page)
- TraceServerName
 - Set ip address of sender

List of ReceiverIdentity



Restart mcdd program

Restart mcdd daemon

```
# killall mcdd
```

```
# /usr/local/imlsdds/mcdd -f /usr/local/imlsdds/recv.ini
```

Check program process

```
# ps -ax
```

```
5647 tty1 S 0:00 ./mcdd -f recv.ini
5648 tty1 S 0:00 ./mcdd -f recv.ini
5649 tty1 S 0:00 ./mcdd -f recv.ini
5650 tty1 S 0:00 ./mcdd -f recv.ini
5651 tty1 S 0:00 ./mcdd -f recv.ini
5652 tty1 S 0:00 ./mcdd -f recv.ini
5656 tty1 S 0:00 ./mcdd -f recv.ini
5657 tty1 S 0:00 ./mcdd -f recv.ini
```

Show list of member information (Picture-1)



Internal PALS DataDistributionServer Admin
All membership information is received advertising


The number of membership info is received 2

NUMBER	GroupID	Name	Group ID	MemberCount	ID Length	OP
0	00		0	200		Detail
1	00		10	200		Detail

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Show list of received current data (Picture-3)



The number of data is 2

NUMBER	PATH	EDGE	MODE	DATASTATUS	TRANSMITSTATUS	OP
0	Path/00	001	CLOSED	RECV/0000	FIN/000000	Detail Refresh Change
1	Path/00	001	CLOSED	RECV/0000	FIN/000000	Detail Refresh Change

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Check receiving data with log file (Picture-4)

- `tail -f /var/log/implsdds.xxxxx.log`
 - INFO: [L255] :CELLSTORAGE: InitStorage Successful / status = 1
 - INFO: [L255] :RECVTRANSMIT: InitStorage Successful [/test.bin]
 - INFO: [L2] :RECVTRANSMIT: Not Set preProcCmd
 - INFO: [L255] :RECVTRANSMIT: initial multicast TTL:4
 - INFO: [L255] :[v4] ReceiverDataTransmitterProc() 21000
 - INFO: [L255] :RECVTRANSMIT: transmit status = 0
 - INFO: [L255] :SINP_CLIENT: Exec _sinpClientProc4
 - INFO: [L255] :SINP_CLIENT: Delete INFO
 - INFO: [L2] :CELLSTORAGE: **Data Complete '/test.bin'**

Check actual receiving data

- `ls -la /soi`
 - rw-r--r-- 674 Feb 19 19:43 test1.bin

Lesson 2

- Send soi archive file to your computers -

prepare script file

```
# mkdir /soi/soi/util  
# cd /mnt/cdrom  
# cp customize_lecture.pl /soi/soi/util/  
# chmod 775 /soi/soi/util/customize_lecture.pl
```

- Change recv.ini to disable log function
 - Edit /usr/local/implsdds/recv.ini

```
LogMode=0
```

Send soi archived lecture file (Picture-2)



Check actual receiving data

- `ls -la /soi/soi/class/20020032/slides/01/`
`-rw-r--r-- 63 Feb 20 10:45 01_10.ram`
`-rw-r--r-- 551 Feb 20 10:45 01_10.smi`
`-rw-r--r-- 63 Feb 20 10:45 01_11.ram`
`-rw-r--r-- 551 Feb 20 10:45 01_11.smi`
.....
- `ls -la /soi/soi/class/20020032/video/01/01.rm`
`-rw-r--r-- 674 Feb 19 19:50 01.rm`

Execution command (executed by mcdd demon)

- `tar zxvfp /soi/soi/class/20020032/slides/01/01.tgz
-C /soi/soi/class/20020032/slides/01/`
- `/soi/soi/util/customize_lecture.pl
/soi/soi/class/20020032/slides/01/`

Verify files

`# more /soi/soi/class/20020032/slides/01/01_1.ram`

`rtsp://[ip address of this host]/soi/class/20020032/slides/01/01_1.smi`

Details : see “SOI Archived Lectures Setup Guide”

MODE

- CLOSED :Only specified member can receive data, and receiver can request missing data and should report receive status to sender.
- OPENED :Everyone can receive data, and only members of the group can request missing data and should report receive status to sender.
- UNLIMITED :One-way transmission. Everyone can receive data, but nobody can request missing data.

STATUS

- INIT :complete initialization
- LOADED :loaded data information. no get sent and received thread
- RECEIVING: data receiving(working receiving thread)
- RECVDONE :complete data receiving (exit receiving thread)
- RECVFAILURE :failed receiving data
- RECVREPAIR :repairing data

TRANSMIT STATUS

- INIT : complete initialization
- RECV : data receiving
- RECVSTOP : stop receiving
- REPAIRING : repairing data
- TURNEND : complete 1 tern of sent and received data
- QUIT : complete thread