

```

          IIIIIIIIII  PPPPPPPPPP  CCCCCCCCCC  SSSSSSSSSS
          IIIIIIIIII  PPPPPPPPPP  CCCCCCCCCC  SSSSSSSSSS
            II      PP      PP  CC      CC  SS      SS
            II      PP      PP  CC      SS
            II      PP      PP  CC      SSS
            II      PPPPPPPPPP  CC      SSSSSSSS
            II      PPPPPPPPPP  CC      SSSSSSSS
            II      PP      CC      SSS
            II      PP      CC      SS
            II      PP      CC      SS
          IIIIIIIIII  PP      CCCCCCCCCC  SSSSSSSSSS
          IIIIIIIIII  PP      CCCCCCCCCC  SSSSSSSSSS

```

```

          JJJJJJJJJJ  00000000000  BBBB BBBB  00000000  00000000  00000000  3333333333  7777777777
          JJJJJJJJJJ  00000000000  BBBB BBBB  0000000000  0000000000  0000000000  333333333333  7777777777
            JJ      00      00  BB      BB  00      0000  00      0000  00      0000  33      33  77      77
            JJ      00      00  BB      BB  00      00 00  00      00 00  00      00 00  33      33  77      77
            JJ      00      00  BB      BB  00      00 00  00      00 00  00      00 00  33      33  77      77
            JJ      00      00  BBBB BBBB  00      00 00  00      00 00  00      00 00  3333  77
            JJ      00      00  BBBB BBBB  00      00 00  00      00 00  00      00 00  3333  77
            JJ      00      00  BB      BB  00 00      00 00 00      00 00 00  33      33  77      77
          JJ  JJ      00      00  BB      BB  0000      00 0000      00 0000      00 33      33  77      77
          JJ  JJ      00      00  BB      BB  000      00 000      00 000      00 33      33  77      77
          JJJJJJJJ  00000000000  BBBB BBBB  0000000000  0000000000  0000000000  333333333333  77
          JJJJJJ   00000000000  BBBB BBBB  00000000  00000000  00000000  3333333333  77

```

START***START*****START*****START*****START*****START*****START*****START***

```

*
* JOBID:          JOB00037
* JOB NAME:      IPCS
* USER ID:       RGS
* SYSOUT CLASS:  P
* OUTPUT GROUP:  2.1.1
* TITLE:
*
* DESTINATION:   LOCAL
* NAME:          IPCS DUMP
* ROOM:
* BUILDING:
* DEPARTMENT:
* ADDRESS:
*
*
*
*
* PRINT TIME:    16:09:32
* PRINT DATE:    09 MAY 2019
* PRINTER NAME:  PRT1
* SYSTEM:        NUI
*

```

START***START*****START*****START*****START*****START*****START*****START***

```

READY
IPCS NOPARM
BLS21001I IPCS FOR Z/OS 02.01.00-0
DUMP DIRECTORY NAME 'RGS.DDIR' WILL BE USED
ALLOCATE FILE(IPCSDDIR) REUSE DSNAME('RGS.DDIR') SHR /* @P1C*/
DUMP DIRECTORY 'RGS.DDIR' ALLOCATED TO FILE(IPCSDDIR)
IPCS
DROPD DA('NUI1.USER.TRACEOUT')
BLS18206I ALL RECORDS FOR 1 DUMP DROPPED
IPCS
SETDEF DA('NUI1.USER.TRACEOUT')
IPCS
CTRACE COMP(SYSTCPDA) FULL
IKJ56650I TIME-04:02:38 PM. CPU-00:00:06 SERVICE-256546 SESSION-00:00:08 MAY 9,2019
BLS18122I INITIALIZATION IN PROGRESS FOR DSNAME('NUI1.USER.TRACEOUT')
IKJ56650I TIME-04:02:38 PM. CPU-00:00:06 SERVICE-257532 SESSION-00:00:08 MAY 9,2019

```

```

COMPONENT TRACE FULL FORMAT
COMP(SYSTCPDA)
Z/OS TCP/IP PACKET TRACE FORMATTER, COPYRIGHT IBM CORP. 2000, 2013; 2013.016
DSNAME('NUI1.USER.TRACEOUT')

```

**** 2019/05/09

| RCDNR | SYSNAME | MNEMONIC | ENTRY ID | TIME STAMP | DESCRIPTION |
|--|---------|----------|----------|-----------------|--------------|
| 75 | NUI2 | PACKET | 00000004 | 21:52:23.580392 | PACKET TRACE |
| FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61 | | | | | |
| TOD CLOCK : 2019/05/09 21:52:23.580365 INTFX: 13 | | | | | |
| SEGMENT # : 0 FLAGS: ADJ IN | | | | | |
| SOURCE : 192.168.20.1 | | | | | |
| DESTINATION : 224.0.0.252 | | | | | |
| SOURCE PORT : 62211 DEST PORT: 5355 ASID: 0033 TCB: 00000000 | | | | | |
| QID : 1 | | | | | |
| IPHEADER: VERSION : 4 HEADER LENGTH: 20 | | | | | |
| TOS : 00 QOS: ROUTINE NORMAL SERVICE | | | | | |
| PACKET LENGTH : 61 ID NUMBER: 0AD2 | | | | | |
| FRAGMENT : OFFSET: 0 | | | | | |
| TTL : 1 PROTOCOL: UDP CHECKSUM: F938 FFFF | | | | | |
| SOURCE : 192.168.20.1 | | | | | |
| DESTINATION : 224.0.0.252 | | | | | |
| UDP | | | | | |
| SOURCE PORT : 62211 () DESTINATION PORT: 5355 () | | | | | |
| DATAGRAM LENGTH : 41 CHECKSUM: F551 FFFF | | | | | |
| IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0 | | | | | |
| 000000 4500003D 0AD20000 0111F938 C0A81401 E00000FC | | | | | |
| PROTOCOL HEADER : 8 PORT: 62211, 5355 OFFSET: 14 | | | | | |
| 000000 F30314EB 0029F551 | | | | | |
| DATA : 33 DATA LENGTH: 33 OFFSET: 1C | | | | | |
| 000000 99B20000 00010000 00000000 0F425257 xR.....BRWx | | | | | |
| 000010 37303138 38423546 34434534 00000100 x.....70188B5F4CE4....x | | | | | |

000020 01

x.

.

x

```

76 NUI2      PACKET  00000004 21:52:23.680959 PACKET TRACE
FROM INTERFACE : LNK3000      DEVICE: QDIO ETHERNET  FULL=61
TOD CLOCK     : 2019/05/09 21:52:23.680938  INTFX: 13
SEGMENT #    : 0             FLAGS: ADJ IN
SOURCE       : 192.168.20.1
DESTINATION  : 224.0.0.252
SOURCE PORT  : 62211        DEST PORT: 5355  ASID: 0033 TCB: 00000000
QID          : 1
IPHEADER: VERSION : 4             HEADER LENGTH: 20
TOS          : 00           QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61         ID NUMBER: 0AD3
FRAGMENT     :             OFFSET: 0
TTL          : 1           PROTOCOL: UDP           CHECKSUM: F937 FFFF
SOURCE       : 192.168.20.1
DESTINATION  : 224.0.0.252

```

```

UDP
SOURCE PORT   : 62211 ( )      DESTINATION PORT: 5355 ( )
DATAGRAM LENGTH : 41         CHECKSUM: F551 FFFF

```

```

IP HEADER      : 20           IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0AD30000 0111F937 C0A81401 E00000FC

```

```

PROTOCOL HEADER : 8           PORT: 62211, 5355      OFFSET: 14
000000 F30314EB 0029F551

```

```

DATA          : 33          DATA LENGTH: 33          OFFSET: 1C
000000 99B20000 00010000 00000000 0F425257 xR.....BRWx
000010 37303138 38423546 34434534 00000100 x.....70188B5F4CE4....x
000020 01             x.                .                x

```

```

77 NUI2      PACKET  00000004 21:52:24.610192 PACKET TRACE
FROM INTERFACE : LNK3000      DEVICE: QDIO ETHERNET  FULL=61
TOD CLOCK     : 2019/05/09 21:52:24.610177  INTFX: 13
SEGMENT #    : 0             FLAGS: ADJ IN
SOURCE       : 192.168.20.1
DESTINATION  : 224.0.0.252
SOURCE PORT  : 56427        DEST PORT: 5355  ASID: 0033 TCB: 00000000
QID          : 1
IPHEADER: VERSION : 4             HEADER LENGTH: 20
TOS          : 00           QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61         ID NUMBER: 0AE6
FRAGMENT     :             OFFSET: 0
TTL          : 1           PROTOCOL: UDP           CHECKSUM: F924 FFFF
SOURCE       : 192.168.20.1
DESTINATION  : 224.0.0.252

```

```

UDP
SOURCE PORT   : 56427 ( )      DESTINATION PORT: 5355 ( )
DATAGRAM LENGTH : 41         CHECKSUM: C590 FFFF

```

```

IP HEADER      : 20           IP: 192.168.20.1, 224.0.0.252 OFFSET: 0

```

000000 4500003D 0AE60000 0111F924 C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 56427, 5355 OFFSET: 14
000000 DC6B14EB 0029C590

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 E00B0000 00010000 00000000 0F425257 xBRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01 x. . x

78 NUI2 PACKET 00000004 21:52:24.711081 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:24.711053 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 56427 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0AE8
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F922 FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP
SOURCE PORT : 56427 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: C590 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0AE80000 0111F922 C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 56427, 5355 OFFSET: 14
000000 DC6B14EB 0029C590

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 E00B0000 00010000 00000000 0F425257 xBRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01 x. . x

79 NUI2 PACKET 00000004 21:52:25.054366 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:25.054349 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 52954 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0AEE
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F91C FFFF

SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP

SOURCE PORT : 52954 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: F381 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0AEE0000 0111F91C C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 52954, 5355 OFFSET: 14
000000 CEDA14EB 0029F381

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 BFAB0000 00010000 00000000 0F425257 x.....BRWx
000010 37303138 38423546 34434534 00000100 x.....70188B5F4CE4....x
000020 01 x. . x

80 NUI2 PACKET 00000004 21:52:25.157443 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:25.157429 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 52954 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0AF1
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F919 FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP
SOURCE PORT : 52954 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: F381 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0AF10000 0111F919 C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 52954, 5355 OFFSET: 14
000000 CEDA14EB 0029F381

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 BFAB0000 00010000 00000000 0F425257 x.....BRWx
000010 37303138 38423546 34434534 00000100 x.....70188B5F4CE4....x
000020 01 x. . x

81 NUI2 PACKET 00000004 21:52:28.003653 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=32
TOD CLOCK : 2019/05/09 21:52:28.003637 INTFX: 13
SEGMENT # : 0 FLAGS: IN
SOURCE : 192.168.20.100

DESTINATION : 255.255.255.255
SOURCE PORT : 42332 DEST PORT: 10001 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 32 ID NUMBER: 0000
FRAGMENT : DONTFRAGMENT OFFSET: 0
TTL : 64 PROTOCOL: UDP CHECKSUM: 65C1 FFFF
SOURCE : 192.168.20.100
DESTINATION : 255.255.255.255

UDP
SOURCE PORT : 42332 () DESTINATION PORT: 10001 ()
DATAGRAM LENGTH : 12 CHECKSUM: 5D5C FFFF

IP HEADER : 20 IP: 192.168.20.100, 255.255.255.255 OFFSET: 0
000000 45000020 00004000 401165C1 C0A81464 FFFFFFFF

PROTOCOL HEADER : 8 PORT: 42332, 10001 OFFSET: 14
000000 A55C2711 000C5D5C

DATA : 4 DATA LENGTH: 4 OFFSET: 1C
000000 01000000 x..... x

82 NUI2 PACKET 00000004 21:52:28.011486 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=181
TOD CLOCK : 2019/05/09 21:52:28.011471 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.100
DESTINATION : 255.255.255.255
SOURCE PORT : 35922 DEST PORT: 42332 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 181 ID NUMBER: 0000
FRAGMENT : DONTFRAGMENT OFFSET: 0
TTL : 64 PROTOCOL: UDP CHECKSUM: 652C FFFF
SOURCE : 192.168.20.100
DESTINATION : 255.255.255.255

UDP
SOURCE PORT : 35922 () DESTINATION PORT: 42332 ()
DATAGRAM LENGTH : 161 CHECKSUM: CC7D FFFF

IP HEADER : 20 IP: 192.168.20.100, 255.255.255.255 OFFSET: 0
000000 450000B5 00004000 4011652C C0A81464 FFFFFFFF

PROTOCOL HEADER : 8 PORT: 35922, 42332 OFFSET: 14
000000 8C52A55C 00A1CC7D

DATA : 153 DATA LENGTH: 153 OFFSET: 1C
000000 01000095 02000A80 2AA8DE84 BCC0A814 x...N.....Y.D. Y.*.....x
000010 6402000A 802AA8DE 84BAC0A8 01640200 x.....Y.D. Y.... D....*.....D..x
000020 0A802AA8 DE84BBC0 A80A6402 000A802A x...Y.D. Y..... ..*.....D....*x
000030 A8DE84BD C0A81E64 02000A80 2AA8DE84 xY.D. Y.....Y.DD....*....x

```
000040 BEC0A828 64010006 802AA8DE 84BF0A00 x. Y.....Y.D... ..(D....*.....x
000050 0400013C 450B0009 6E756972 6F757465 x.....>...?... ..<E...NUIROUTEx
000060 720C0004 45522D58 03002E45 64676552 x..... R...ER-X...EDGERx
000070 6F757465 722E4552 2D653530 2E76312E x?..... OUTER.ER-E50.V1.x
000080 392E312E 312E3439 37373630 322E3137 x..... 9.1.1.4977602.17x
000090 30343237 2E303131 33 x..... 0427.0113 x
```

```
-----
      83 NUI2      PACKET 00000004 21:52:32.666311 PACKET TRACE
FROM INTERFACE   : LNK3000      DEVICE: QDIO ETHERNET   FULL=61
TOD CLOCK       : 2019/05/09 21:52:32.666296   INTFX: 13
SEGMENT #       : 0           FLAGS: ADJ IN
SOURCE          : 192.168.20.1
DESTINATION     : 224.0.0.252
SOURCE PORT     : 63977        DEST PORT: 5355  ASID: 0033 TCB: 00000000
QID             : 1
IPHEADER: VERSION : 4           HEADER LENGTH: 20
TOS             : 00          QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH   : 61          ID NUMBER: 0B21
FRAGMENT        :             OFFSET: 0
TTL             : 1           PROTOCOL: UDP          CHECKSUM: F8E9 FFFF
SOURCE          : 192.168.20.1
DESTINATION     : 224.0.0.252
```

```
UDP
SOURCE PORT     : 63977 ( )      DESTINATION PORT: 5355 ( )
DATAGRAM LENGTH : 41           CHECKSUM: 4A06 FFFF
```

```
IP HEADER      : 20           IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0B210000 0111F8E9 C0A81401 E00000FC
```

```
PROTOCOL HEADER : 8           PORT: 63977, 5355      OFFSET: 14
000000 F9E914EB 00294A06
```

```
DATA          : 33          DATA LENGTH: 33          OFFSET: 1C
000000 3E180000 00010000 00000000 0F425257 x.....>.....BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01 x. . x
```

```
-----
      84 NUI2      PACKET 00000004 21:52:32.767226 PACKET TRACE
FROM INTERFACE   : LNK3000      DEVICE: QDIO ETHERNET   FULL=61
TOD CLOCK       : 2019/05/09 21:52:32.767212   INTFX: 13
SEGMENT #       : 0           FLAGS: ADJ IN
SOURCE          : 192.168.20.1
DESTINATION     : 224.0.0.252
SOURCE PORT     : 63977        DEST PORT: 5355  ASID: 0033 TCB: 00000000
QID             : 1
IPHEADER: VERSION : 4           HEADER LENGTH: 20
TOS             : 00          QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH   : 61          ID NUMBER: 0B22
FRAGMENT        :             OFFSET: 0
TTL             : 1           PROTOCOL: UDP          CHECKSUM: F8E8 FFFF
SOURCE          : 192.168.20.1
DESTINATION     : 224.0.0.252
```

```
UDP
SOURCE PORT      : 63977 ( )      DESTINATION PORT: 5355 ( )
DATAGRAM LENGTH  : 41             CHECKSUM: 4A06 FFFF

IP HEADER        : 20             IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0B220000 0111F8E8 C0A81401 E00000FC

PROTOCOL HEADER  : 8              PORT: 63977, 5355      OFFSET: 14
000000 F9E914EB 00294A06

DATA             : 33            DATA LENGTH: 33      OFFSET: 1C
000000 3E180000 00010000 00000000 0F425257 x..... >.....BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01                x.                .                x
```

```
-----
 85 NUI2      PACKET 00000004 21:52:33.813259 PACKET TRACE
FROM INTERFACE : LNK3000      DEVICE: QDIO ETHERNET  FULL=60
TOD CLOCK      : 2019/05/09 21:52:33.813238  INTFX: 13
SEGMENT #      : 0          FLAGS: PING IN
SOURCE         : 192.168.30.1
DESTINATION    : 192.168.20.10

ASID: 0033 TCB: 00000000

QID            : 1
IPHEADER: VERSION : 4      HEADER LENGTH: 20
TOS           : 00      QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60      ID NUMBER: 3011
FRAGMENT      :         OFFSET: 0
TTL           : 127     PROTOCOL: ICMP      CHECKSUM: 5854 FFFF
SOURCE        : 192.168.30.1
DESTINATION   : 192.168.20.10
```

```
ICMP
TYPE/CODE      : 8/0      ECHO
CHECKSUM       : 4C40 FFFF
ID             : 0001     SEQ: 283
ECHO DATA     : 32
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 xABCDEFGHIJKLMNQRSTUvwABCDEFGHIx
```

```
IP HEADER        : 20             IP: 192.168.30.1, 192.168.20.10 OFFSET: 0
000000 4500003C 30110000 7F015854 C0A81E01 C0A8140A

PROTOCOL HEADER  : 8              PROTOCOL: 1(ICMP)    OFFSET: 14
000000 08004C40 0001011B

DATA             : 32            DATA LENGTH: 32      OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869
```

```
-----
 86 NUI2      PACKET 00000004 21:52:33.813442 PACKET TRACE
TO INTERFACE    : LNK3000      DEVICE: QDIO ETHERNET  FULL=60
TOD CLOCK      : 2019/05/09 21:52:33.813422  INTFX: 13
SEGMENT #      : 0          FLAGS: PING OUT
SOURCE         : 192.168.20.10
DESTINATION    : 192.168.30.1

ASID: 0033 TCB: 00000000
```


NEXT HOP : 192.168.20.100
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60 ID NUMBER: 0018
FRAGMENT : OFFSET: 0
TTL : 64 PROTOCOL: ICMP CHECKSUM: C74D FFFF
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1

ICMP
TYPE/CODE : 0/0 ECHOREPLY
CHECKSUM : 5440 FFFF
ID : 0001 SEQ: 283
ECHO DATA : 32

000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 ×ABCDEFGHIJKLMNQPQRSTUVWXYZABCDEFGHI×

IP HEADER : 20 IP: 192.168.20.10, 192.168.30.1 OFFSET: 0
000000 4500003C 00180000 4001C74D C0A8140A C0A81E01

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 00005440 0001011B

DATA : 32 DATA LENGTH: 32 OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

87 NUI2 PACKET 00000004 21:52:34.824575 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=60
TOD CLOCK : 2019/05/09 21:52:34.824561 INTFX: 13
SEGMENT # : 0 FLAGS: PING IN
SOURCE : 192.168.30.1
DESTINATION : 192.168.20.10

ASID: 0033 TCB: 00000000

QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60 ID NUMBER: 3013
FRAGMENT : OFFSET: 0
TTL : 127 PROTOCOL: ICMP CHECKSUM: 5852 FFFF
SOURCE : 192.168.30.1
DESTINATION : 192.168.20.10

ICMP
TYPE/CODE : 8/0 ECHO
CHECKSUM : 4C3F FFFF
ID : 0001 SEQ: 284
ECHO DATA : 32

000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 ×ABCDEFGHIJKLMNQPQRSTUVWXYZABCDEFGHI×

IP HEADER : 20 IP: 192.168.30.1, 192.168.20.10 OFFSET: 0
000000 4500003C 30130000 7F015852 C0A81E01 C0A8140A

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 08004C3F 0001011C

DATA : 32 DATA LENGTH: 32 OFFSET: 1C

000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

88 NUI2 PACKET 00000004 21:52:34.824735 PACKET TRACE
TO INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=60
TOD CLOCK : 2019/05/09 21:52:34.824722 INTFX: 13
SEGMENT # : 0 FLAGS: PING OUT
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1
ASID: 0033 TCB: 00000000
NEXT HOP : 192.168.20.100
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60 ID NUMBER: 0019
FRAGMENT : OFFSET: 0
TTL : 64 PROTOCOL: ICMP CHECKSUM: C74C FFFF
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1

ICMP
TYPE/CODE : 0/0 ECHOREPLY
CHECKSUM : 543F FFFF
ID : 0001 SEQ: 284
ECHO DATA : 32

000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 ×ABCDEFGHIJKLMNPOQRSTUVWXYZUVWABCDEF×

IP HEADER : 20 IP: 192.168.20.10, 192.168.30.1 OFFSET: 0
000000 4500003C 00190000 4001C74C C0A8140A C0A81E01

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 0000543F 0001011C

DATA : 32 DATA LENGTH: 32 OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

89 NUI2 PACKET 00000004 21:52:35.840148 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=60
TOD CLOCK : 2019/05/09 21:52:35.840129 INTFX: 13
SEGMENT # : 0 FLAGS: PING IN
SOURCE : 192.168.30.1
DESTINATION : 192.168.20.10
ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60 ID NUMBER: 3014
FRAGMENT : OFFSET: 0
TTL : 127 PROTOCOL: ICMP CHECKSUM: 5851 FFFF
SOURCE : 192.168.30.1
DESTINATION : 192.168.20.10

ICMP
TYPE/CODE : 8/0 ECHO
CHECKSUM : 4C3E FFFF
ID : 0001 SEQ: 285

ECHO DATA : 32
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 xABCDEFGHJKLMNOPQRSTUVWXYZABCDEFGHIx

IP HEADER : 20 IP: 192.168.30.1, 192.168.20.10 OFFSET: 0
000000 4500003C 30140000 7F015851 C0A81E01 C0A8140A

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 08004C3E 0001011D

DATA : 32 DATA LENGTH: 32 OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

90 NUI2 PACKET 00000004 21:52:35.840327 PACKET TRACE
TO INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=60
TOD CLOCK : 2019/05/09 21:52:35.840314 INTFX: 13
SEGMENT # : 0 FLAGS: PING OUT
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1
ASID: 0033 TCB: 00000000
NEXT HOP : 192.168.20.100
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60 ID NUMBER: 001A
FRAGMENT : OFFSET: 0
TTL : 64 PROTOCOL: ICMP CHECKSUM: C74B FFFF
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1

ICMP
TYPE/CODE : 0/0 ECHOREPLY
CHECKSUM : 543E FFFF
ID : 0001 SEQ: 285
ECHO DATA : 32
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 xABCDEFGHJKLMNOPQRSTUVWXYZABCDEFGHIx

IP HEADER : 20 IP: 192.168.20.10, 192.168.30.1 OFFSET: 0
000000 4500003C 001A0000 4001C74B C0A8140A C0A81E01

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 0000543E 0001011D

DATA : 32 DATA LENGTH: 32 OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

91 NUI2 PACKET 00000004 21:52:36.848692 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=60
TOD CLOCK : 2019/05/09 21:52:36.848678 INTFX: 13
SEGMENT # : 0 FLAGS: PING IN
SOURCE : 192.168.30.1
DESTINATION : 192.168.20.10
ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE

PACKET LENGTH : 60 ID NUMBER: 3016
FRAGMENT : OFFSET: 0
TTL : 127 PROTOCOL: ICMP CHECKSUM: 584F FFFF
SOURCE : 192.168.30.1
DESTINATION : 192.168.20.10

ICMP
TYPE/CODE : 8/0 ECHO
CHECKSUM : 4C3D FFFF
ID : 0001 SEQ: 286
ECHO DATA : 32
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 ×ABCDEFGHIJKLMNQPQRSTUVWXYZABCDEFGHI×

IP HEADER : 20 IP: 192.168.30.1, 192.168.20.10 OFFSET: 0
000000 4500003C 30160000 7F01584F C0A81E01 C0A8140A

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 08004C3D 0001011E

DATA : 32 DATA LENGTH: 32 OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

92 NUI2 PACKET 00000004 21:52:36.848855 PACKET TRACE
TO INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=60
TOD CLOCK : 2019/05/09 21:52:36.848843 INTFX: 13
SEGMENT # : 0 FLAGS: PING OUT
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1

ASID: 0033 TCB: 00000000
NEXT HOP : 192.168.20.100
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 60 ID NUMBER: 001B
FRAGMENT : OFFSET: 0
TTL : 64 PROTOCOL: ICMP CHECKSUM: C74A FFFF
SOURCE : 192.168.20.10
DESTINATION : 192.168.30.1

ICMP
TYPE/CODE : 0/0 ECHOREPLY
CHECKSUM : 543D FFFF
ID : 0001 SEQ: 286
ECHO DATA : 32
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869 ×ABCDEFGHIJKLMNQPQRSTUVWXYZABCDEFGHI×

IP HEADER : 20 IP: 192.168.20.10, 192.168.30.1 OFFSET: 0
000000 4500003C 001B0000 4001C74A C0A8140A C0A81E01

PROTOCOL HEADER : 8 PROTOCOL: 1(ICMP) OFFSET: 14
000000 0000543D 0001011E

DATA : 32 DATA LENGTH: 32 OFFSET: 1C
000000 61626364 65666768 696A6B6C 6D6E6F70 71727374 75767761 62636465 66676869

93 NUI2 PACKET 00000004 21:52:40.278747 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:40.278732 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 52856 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0B4F
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F8BB FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP
SOURCE PORT : 52856 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: 8FD4 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0B4F0000 0111F8BB C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 52856, 5355 OFFSET: 14
000000 CE7814EB 00298FD4

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 23BB0000 00010000 00000000 0F425257 x..... #.....BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01 x. . x

94 NUI2 PACKET 00000004 21:52:40.379849 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:40.379834 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 52856 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0B50
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F8BA FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP
SOURCE PORT : 52856 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: 8FD4 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0B500000 0111F8BA C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 52856, 5355 OFFSET: 14

000000 CE7814EB 00298FD4

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 23BB0000 00010000 00000000 0F425257 x..... #.....BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01 x. . x

95 NUI2 PACKET 00000004 21:52:47.891784 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:47.891766 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 57423 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0B74
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F896 FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP
SOURCE PORT : 57423 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: 5524 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0B740000 0111F896 C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 57423, 5355 OFFSET: 14
000000 E04F14EB 00295524

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 4C940000 00010000 00000000 0F425257 x<M..... L.....BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01 x. . x

96 NUI2 PACKET 00000004 21:52:47.992264 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:47.992250 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 57423 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0B75
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F895 FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

```
UDP
SOURCE PORT      : 57423 ( )      DESTINATION PORT: 5355 ( )
DATAGRAM LENGTH  : 41             CHECKSUM: 5524 FFFF

IP HEADER        : 20             IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0B750000 0111F895 C0A81401 E00000FC

PROTOCOL HEADER  : 8              PORT: 57423, 5355      OFFSET: 14
000000 E04F14EB 00295524

DATA            : 33             DATA LENGTH: 33      OFFSET: 1C
000000 4C940000 00010000 00000000 0F425257 x<M..... L.....BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01                x.                .                x
```

```
-----
 97 NUI2      PACKET 00000004 21:52:55.504069 PACKET TRACE
FROM INTERFACE : LNK3000      DEVICE: QDIO ETHERNET  FULL=61
TOD CLOCK      : 2019/05/09 21:52:55.504054  INTFX: 13
SEGMENT #      : 0          FLAGS: ADJ IN
SOURCE         : 192.168.20.1
DESTINATION    : 224.0.0.252
SOURCE PORT    : 51463      DEST PORT: 5355  ASID: 0033 TCB: 00000000
QID            : 1
IPHEADER: VERSION : 4          HEADER LENGTH: 20
TOS            : 00         QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH  : 61         ID NUMBER: 0C13
FRAGMENT       :           OFFSET: 0
TTL            : 1          PROTOCOL: UDP      CHECKSUM: F7F7 FFFF
SOURCE         : 192.168.20.1
DESTINATION    : 224.0.0.252
```

```
UDP
SOURCE PORT      : 51463 ( )      DESTINATION PORT: 5355 ( )
DATAGRAM LENGTH  : 41             CHECKSUM: FFFD FFFF

IP HEADER        : 20             IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0C130000 0111F7F7 C0A81401 E00000FC

PROTOCOL HEADER  : 8              PORT: 51463, 5355      OFFSET: 14
000000 C90714EB 0029FFFD

DATA            : 33             DATA LENGTH: 33      OFFSET: 1C
000000 B9020000 00010000 00000000 0F425257 x..... BRWx
000010 37303138 38423546 34434534 00000100 x..... 70188B5F4CE4....x
000020 01                x.                .                x
```

```
-----
 98 NUI2      PACKET 00000004 21:52:55.604628 PACKET TRACE
FROM INTERFACE : LNK3000      DEVICE: QDIO ETHERNET  FULL=61
TOD CLOCK      : 2019/05/09 21:52:55.604598  INTFX: 13
SEGMENT #      : 0          FLAGS: ADJ IN
SOURCE         : 192.168.20.1
DESTINATION    : 224.0.0.252
SOURCE PORT    : 51463      DEST PORT: 5355  ASID: 0033 TCB: 00000000
QID            : 1
```


100 NUI2 PACKET 00000004 21:52:56.294641 PACKET TRACE
FROM INTERFACE : LNK3000 DEVICE: QDIO ETHERNET FULL=61
TOD CLOCK : 2019/05/09 21:52:56.294627 INTFX: 13
SEGMENT # : 0 FLAGS: ADJ IN
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252
SOURCE PORT : 50767 DEST PORT: 5355 ASID: 0033 TCB: 00000000
QID : 1
IPHEADER: VERSION : 4 HEADER LENGTH: 20
TOS : 00 QOS: ROUTINE NORMAL SERVICE
PACKET LENGTH : 61 ID NUMBER: 0C31
FRAGMENT : OFFSET: 0
TTL : 1 PROTOCOL: UDP CHECKSUM: F7D9 FFFF
SOURCE : 192.168.20.1
DESTINATION : 224.0.0.252

UDP
SOURCE PORT : 50767 () DESTINATION PORT: 5355 ()
DATAGRAM LENGTH : 41 CHECKSUM: 34C0 FFFF

IP HEADER : 20 IP: 192.168.20.1, 224.0.0.252 OFFSET: 0
000000 4500003D 0C310000 0111F7D9 C0A81401 E00000FC

PROTOCOL HEADER : 8 PORT: 50767, 5355 OFFSET: 14
000000 C64F14EB 002934C0

DATA : 33 DATA LENGTH: 33 OFFSET: 1C
000000 86F80000 00010000 00000000 0F425257 xF8.....BRWx
000010 37303138 38423546 34434534 00000100 x.....70188B5F4CE4....x
000020 01 x. . x

ALL PACKETS CHECK SUMMED CORRECTLY
NO PACKETS REQUIRED REASSEMBLY

=====

SYSTCPDA TRACE STATISTICS

26 CTRACE RECORDS PROCESSED
0 SEGMENTED TRACE RECORDS READ
0 SEGMENTED TRACE RECORDS WERE LOST
26 TRACE RECORDS READ
0 RECORDS COULD NOT BE VALIDATED
26 RECORDS PASSED FILTERING
26 PACKET TRACE RECORDS PROCESSED
0 DATA TRACE RECORDS PROCESSED

IPCS
END
READY
END

```

          IIIIIIIIII  PPPPPPPPPP  CCCCCCCCC  SSSSSSSSSS
          IIIIIIIIII  PPPPPPPPPP  CCCCCCCCCC  SSSSSSSSSSS
            II      PP      PP  CC      CC  SS      SS
            II      PP      PP  CC      SS
            II      PP      PP  CC      SSS
            II      PPPPPPPPPP  CC      SSSSSSSSS
            II      PPPPPPPPPP  CC      SSSSSSSSS
            II      PP      CC      SSS
            II      PP      CC      SS
            II      PP      CC      SS
          IIIIIIIIII  PP      CCCCCCCCCC  SSSSSSSSSSS
          IIIIIIIIII  PP      CCCCCCCCC  SSSSSSSSSS

```

```

JJJJJJJJJJ  00000000000  BBBB BBBB  00000000  00000000  00000000  3333333333  77777777777
JJJJJJJJJJ  00000000000  BBBB BBBB  0000000000  0000000000  0000000000  33333333333  77777777777
  JJ      00      00  BB      BB  00      0000  00      0000  00      0000  33      33  77      77
  JJ      00      00  BB      BB  00      00 00  00      00 00  00      00 00  33      33  77      77
  JJ      00      00  BB      BB  00      00 00  00      00 00  00      00 00  33      33  77      77
  JJ      00      00  BBBB BBBB  00      00 00  00      00 00  00      00 00  3333  77
  JJ      00      00  BBBB BBBB  00      00 00  00      00 00  00      00 00  3333  77
  JJ      00      00  BB      BB  00 00      00 00 00      00 00 00  33      33  77      77
JJ  JJ      00      00  BB      BB  0000      00 0000      00 0000      00 33      33  77      77
JJ  JJ      00      00  BB      BB  000      00 000      00 000      00 33      33  77      77
JJJJJJJJ  00000000000  BBBB BBBB  0000000000  0000000000  0000000000  33333333333  77
JJJJJJ  00000000000  BBBB BBBB  00000000  00000000  00000000  3333333333  77

```

```

**END*****END*****END*****END*****END*****END*****END*****END*****END*****
*
* JOBID:          JOB00037
* JOB NAME:      IPCS
* USER ID:       RGS
* SYSOUT CLASS:  P
* OUTPUT GROUP:  2.1.1
* TITLE:
*
* DESTINATION:   LOCAL
* NAME:          IPCS DUMP
* ROOM:
* BUILDING:
* DEPARTMENT:
* ADDRESS:
*
*
*
*
* PRINT TIME:    16:09:32
* PRINT DATE:    09 MAY 2019
* PRINTER NAME:  PRT1
* SYSTEM:        NUI
*
**END*****END*****END*****END*****END*****END*****END*****END*****END*****

```