



CHAPTER 38

Using the Internet Protocol Detail Record Login Event Generator Command-Line Utility

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Introduction

This chapter describes the command-line utility (CLU) commands when the Internet Protocol Detail Record (IPDR) Login Event Generator (LEG) software is installed on the Subscriber Manager (SM).

Information About the p3ipdr Utility

The IPDR LEG contains its own CLU commands, called **p3ipdr**, for monitoring the IPDR server and LEG.

The **p3ipdr** CLU displays the LEG configuration and statistics. The command format is **p3ipdr <operation>**.

[Table 38-1](#) lists the **p3ipdr** operations.

Table 38-1 *p3ipdr Operations*

Operation	Description
--show	Displays the IPDR configuration, subscriber mode, policy-related information, subscriber ID, templates, and other general information such as open IPDR sessions.
--show-exporters	Displays the configured IPDR exporters and associated session IDs.
--show-statistics	Displays the counters of IPDR messages received.
--reset-statistics	Resets the statistics counters.
--help	Displays a list of available operations and arguments, with a short explanation of their meanings.

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Viewing the IPDR LEG Status

The following is an example of using the **p3ipdr** CLU with the **show** operation:

```
>p3ipdr --show

IPDR LEG
=====
Version : IPDR LEG 3.7.2
Active : TRUE
Cable Mode : FALSE
SNMP Mode For BG : FALSE
Time Interval For Aggregated Query : 60
Number of IPDR Messages waiting in SNMP BG query queue :
SNMP BG Query Queue Size : 100000
Next expected delayed IPDR queue Login: Tue Jan 03 09:28:19 IST 2012
Bulk query enabled: false
Templates : CMTS-CM-REG-STATUS-TYPE_3.5.1-A.1 , SAMIS-TYPE-1_3.5.1-A.1 ,
CPE-TYPE_3.5.1-A.1

SubscriberID :
=====
IPDRField - key = CmMacAddr, keyType = string

Policies :
=====
Policy Name : packageId
=====
separator : _
use default : false
default value : 0
allow no package : true
concat option : IPDRField - key = CmtsMdIfIndex, keyType = integer
log success : false
log default success : false
Number of mappings : 0

Policy Name : upVlinkId
=====
separator : _
use default : false
default value : 0
allow no package : true
concat option : IPDRField - key = CmtsIpv4Addr, keyType = integer,
concat option : IPDRField - key = CmtsMdIfIndex, keyType = integer,
concat option : IPDRField - key = CmtsTcsId, keyType = integer
log success : false
log default success : false
Number of mappings : 0

Policy Name : downVlinkId
=====
separator : _
use default : false
default value : 0
allow no package : true
concat option : IPDRField - key = CmtsIpv4Addr, keyType = integer,
concat option : IPDRField - key = CmtsMdIfIndex, keyType = integer,
concat option : IPDRField - key = CmtsRcsId, keyType = integer
log success : false
log default success : false
Number of mappings : 0
```

```
Command terminated successfully
```

Viewing the IPDR LEG Exporter Configuration Details

The following is an example of using the **p3ipdr** CLU with the **show-exporters** operation:

```
>p3ipdr --show-exporters

IPDR EXPORTERS
=====
ExporterName      : IPDR.Exporter.nik
ExporterIp        : 10.52.206.2
ExporterPort      : 4737
ExporterConnectionType : active
Start             : true
SessionId         : 3,2,4,5
KeepAlive         : 15
TimeOut           : 100
Command terminated successfully
```

Viewing the IPDR LEG Statistics

The following is an example of using the **p3ipdr** CLU with the **show-statistics** operation:

```
>p3ipdr --show-statistics

IPDR LEG statistics
=====
Total Received IPDR Messages:    372
Invalid IPDR Messages:          0
IPDR Interim Messages:          240
IPDR Login Messages:            45
IPDR Logout Messages:           55
IPDR Login Error Messages:       0
IPDR Logout Error Messages:      10
CPE TYPE Login Messages:         35
CPE TYPE Logout Messages:        35
CM STATUS Login Messages:        10
CM STATUS Logout Messages:       10
SAMIS Login/Interim Messages:    240
Command terminated successfully
```

The following is an example of using the **p3ipdr** CLU with the **show-statistics** operation:

```
>p3ipdr --reset-statistics

Command terminated successfully

>p3ipdr --show-statistics

IPDR LEG statistics
=====
Total Received IPDR Messages:    0
Invalid IPDR Messages:          0
IPDR Interim Messages:          0
IPDR Login Messages:            0
IPDR Logout Messages:           0
IPDR Login Error Messages:       0
IPDR Logout Error Messages:      0
```

■ Viewing the IPDR LEG Statistics

```
CPE TYPE Login Messages:      0
CPE TYPE Logout Messages:     0
CM STATUS Login Messages:     0
CM STATUS Logout Messages:    0
SAMIS Login/Interim Messages: 0
Command terminated successfully
```