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Protocol data units (PDUs)

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[z/TPF SNMP agent support](#)

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Each SNMP message contains a protocol data unit (PDU). These SNMP PDUs
SNMP agents. The SNMP Version 1 architecture defines the following types of

GETREQUEST PDU

Sent by the SNMP manager to retrieve one or more requested MIB variables

GETNEXTREQUEST PDU

Sent by the SNMP manager to retrieve the next MIB variable that is specified
PDU is primarily used by the SNMP manager to walk through the SNMP age

SETREQUEST PDU

Sent by the SNMP manager to set one or more MIB variables specified in the

GETRESPONSE PDU

Sent by the SNMP agent in response to a GETREQUEST, GETNEXTREQUI

TRAP PDU

An unsolicited message sent by the SNMP agent to notify the SNMP manag

There are many types of structures and fields contained in the PDUs supported
PDUs.

Table 1. GETREQUEST, GETNEXTREQUEST, SETREQUEST, GETRESPON

Version	Community name	PDU type	Request ID	E

Version

The version of the SNMP message. The z/TPF system supports version 1.

Community name

An ASCII display string of the name of the community from where the PDU o

PDU type

The type of PDU contained by the SNMP message. PDU type can be one of
- GETREQUEST
- GETNEXTREQUEST
- SETREQUEST
- GETRESPONSE

Request ID

A unique number that is used to distinguish between different requests and t

Error status

Used to indicate that an error occurred while the agent was processing a req

Error index

Used to provide additional information by identifying which variable in the list

Variable binding list

A simple list of variable bindings, which are pairings of the names of MIB var

Table 2 shows the format of the trap PDUs.

Table 2. Trap PDU format

Version	Community name	PDU type	Enterprise object identifier	Network address

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