xfrm_proc.txt

XFRM proc - /proc/net/xfrm_* files

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Transformation Statistics

xfrm_proc is a statistics shown factor dropped by transformation for developer.

It is a counter designed from current transformation source code and defined like linux private MIB.

Inbound statistics

XfrmInError:

All errors which is not matched others

XfrmInBufferError:

No buffer is left

XfrmInHdrError:

Header error

XfrmInNoStates:

No state is found

i.e. Either inbound SPI, address, or IPsec protocol at SA is wrong

XfrmInStateProtoError:

Transformation protocol specific error

e.g. SA key is wrong

XfrmInStateModeError:

Transformation mode specific error

XfrmInStateSeqError:

Sequence error

i.e. Sequence number is out of window

XfrmInStateExpired:

State is expired

XfrmInStateMismatch:

State has mismatch option

e.g. UDP encapsulation type is mismatch

XfrmInStateInvalid:

State is invalid

XfrmInTmplMismatch:

No matching template for states

e.g. Inbound SAs are correct but SP rule is wrong

XfrmInNoPols:

No policy is found for states

e.g. Inbound SAs are correct but no SP is found

XfrmInPolBlock:

Policy discards

XfrmInPolError:

Policy error

Outbound errors

XfrmOutError:

All errors which is not matched others

XfrmOutBundleGenError:

Bundle generation error

XfrmOutBundleCheckError:

xfrm_proc.txt

Bundle check error

XfrmOutNoStates:

No state is found

XfrmOutStateProtoError:

Transformation protocol specific error

XfrmOutStateModeError:

Transformation mode specific error

XfrmOutStateSeqError:

Sequence error

i.e. Sequence number overflow

XfrmOutStateExpired:

State is expired

XfrmOutPolBlock:

Policy discards

XfrmOutPolDead:

Policy is dead

XfrmOutPolError:

Policy error