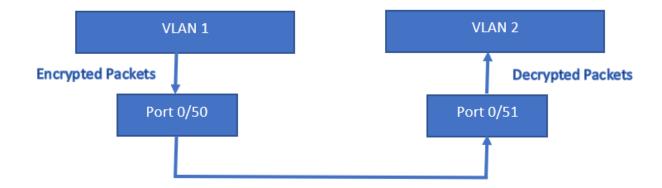
Topology:



Setup:

Port 0/50 is VLAN 1 untagged member Port 0/51 is VLAN 2 untagged member MACsec is enabled on Port 0/50 egress side MACsec is enabled on Port 0/51 ingress side

Procedure:

Send plain-text packet from CPU to Port 0/50. Capture Port 0/50 egress packet and verify if the packets are encrypted. Capture Port 0/51 ingress packet and verify if the packets are decrypted.

Port VLAN Configuration:

Add port 0/51 to VLAN 2. Port 0/50 is in VLAN 1 (by default).

```
Console(config)# interface vlan device 0 vid 2
Console(config-vlan)# exit
Console(config)# interface ethernet 0/51
Console(config-if)# switchport allowed vlan add 2 untagged
Console(config-if)# switchport pvid 2
Console(config-if)# end
Console# show vlan device 0
```

VLAN		Ports	Tag	MAC-Learning	FDB-mode
1	0/0-53		untagged	Control	FID
2	0/51		untagged	Control	FID

PCL Configuration for Packet captured:

Configure a PCL rule to mirror packets to CPU. Attach the PCL to port 0/50 and 0/51.

```
Console# config
Console(config)# access-list device 0 ingress pcl-ID 0
Console(config-acl)# rule-id 0 action mirror-to-cpu
Console(config-acl)# exit
Console(config)#
Console(config)# interface range ethernet 0/50,51
Console(config-if)# service-acl pcl-ID 0 lookup 0
Console(config-if)# end
```

Make sure the packets sent on port 0/50 are captured as expected (with CPU tag)

 $\texttt{Console(traffic)} \; \# \; \; \texttt{do show interfaces mac counters ethernet 0/50,51}$

Interface	UC Received	MC Received	BC Received	Octets Received
0/50 <mark>0/51</mark>	0 1	0 0	0 0	0 <mark>64</mark>
Interface	UC Sent	MC Sent	BRDC Sent	Octets Sent
0/50 0/51		0 0	0 0	

MACsec Egress Configuration: Port 0/50

Step-1: Enable MACsec on the device

```
Initialize MACsec on the device
```

```
Console# cpss-api call cpssDxChMacSecInit devNum 0 unitBmp 0
result=GT_OK = Operation succeeded
values={ }
```

Step-2: Enable MACsec on Port 0/50 egress side

MACsec Classifier configuration settings per port

```
Console# cpss-api call cpssDxChMacSecPortClassifyConfigSet devNum 0 portNum 50 direction
CPSS DXCH MACSEC DIRECTION EGRESS E
portCfg.bypassMacsecDevice(false)>
                                                                 <<< Enable MACsec
portCfg.exceptionCfgEnable(false)>
portCfg.forceDrop(false)>
portCfg.defaultVPortValid(false)>
portCfg.defaultVPort(0)>
portCfg.policyMode(CPSS DXCH MACSEC POLICY MODE MUST SECURE E)> < << Non MACsec frames not allowe
result=GT OK = Operation succeeded
values={ }
MACsec Transformer configuration settings per port
Console# cpss-api call cpssDxChMacSecPortSecyConfigSet devNum 0 portNum 50 direction
CPSS DXCH MACSEC DIRECTION EGRESS E
portCfg.bypassMacsecDevice(false)>
                                                                     Enable MACsec
portCfg.policyMode(CPSS_DXCH_MACSEC_POLICY_MODE_MUST_SECURE_E)> <<< Non_MACsec_frames_not_allow
portCfg.statCtrl.seqNrThreshold(0)>
                                                                  <<< Non-zero value for re-keying proc
portCfg.statCtrl.seqNrThreshold64.1[0](0)>
portCfg.statCtrl.seqNrThreshold64.1[1](0)>
portCfg.pktNumThrStrictCompareModeEnable(false)>
portCfg.ruleSecTag.compEtype(false)>
                                                                 <<< MACsec type check
portCfg.ruleSecTag.checkV(false)>
                                                                 <<< Version check
```

<<< (C,E bits) check

<<< (C=1,E=0) check

<<< SC, ES, SCB check

<<< SL check <<< PN check

Step-3: Install vPort in Classifier Unit

values={ }

Add a new vPort set for one MACsec classifier

portCfg.ruleSecTag.checkKay(false)>

portCfg.ruleSecTag.checkCe(false)>
portCfg.ruleSecTag.checkSc(false)>

portCfg.ruleSecTag.checkSl(false)>

portCfg.ruleSecTag.checkPn(false)>
result=GT_OK = Operation succeeded

Step-4: Install an SA record in Transform Unit

Add a new SA set for one MACsec Transformer

```
Console# cpss-api call cpssDxChMacSecSecySaAdd devNum 0 unitBmp 0 direction
CPSS DXCH MACSEC DIRECTION EGRESS E vPortid 0
saParams.params(CPSS DXCH MACSEC SECY SA PARAM UNT)>CPSS DXCH MACSEC SECY SA EGR STC
                                                          << SA not in use. Cannot be transformed << Bytes authenticated but not encrypted
saParams.params.egress.saInUse(false)>
saParams.params.egress.confidentialityOffset(0)>
saParams.params.egress.protectFrames(false)>true
                                                          << Enable frame protection
saParams.params.egress.includeSci(false)>true
                                                          << Insert SCI in the packet
saParams.params.egress.useEs(false)>
                                                          << Do not modify ES bit in SECTag
                                                          << Do not modify SCB bit in SECTag
saParams.params.egress.useScb(false)>
saParams.params.egress.confProtect(false)>true
                                                          << Enable confidentiality protection
saParams.params.egress.controlledPortEnable(false)>true << Allow non-control packets
saParams.params.egress.preSecTagAuthStart(0)>0
                                                 << No of bytes from frame start to bypass encryption
{\tt saParams.params.egress.preSecTagAuthLength(0)>} 12
                                                             no of bytes to be authenticate
saParams.actionType(CPSS_DXCH_MACSEC_SECY_SA_ACTION_BYPASS_E)>CPSS_DXCH_MACSEC_SECY_SA_ACTION_EGRESS_E
saParams.destPort(CPSS DXCH MACSEC SECY PORT COMMON E)>
trRecParams.an(0)>2
                                                          << Association number
trRecParams.keyArr[0](0)>0xad
trRecParams.keyArr[1](0)>0x7a
trRecParams.keyArr[2](0)>0x2b
trRecParams.keyArr[3](0)>0xd0
trRecParams.keyArr[4](0)>0x3e
trRecParams.keyArr[5](0)>0xac
trRecParams.keyArr[6](0)>0x83
trRecParams.keyArr[7](0)>0x5a
trRecParams.keyArr[8](0)>0x6f
trRecParams.keyArr[9](0)>0x62
trRecParams.keyArr[10](0)>0x0f
trRecParams.keyArr[11](0)>0xdc
trRecParams.keyArr[12](0)>0xb5
trRecParams.keyArr[13](0)>0x06
trRecParams.keyArr[14](0)>0xb3
trRecParams.keyArr[15](0)>0x45
trRecParams.keyArr[16](0)>*
trRecParams.keyByteCount(0)>16
                                                               Csec kev-size
trRecParams.sciArr[0](0)>0x12
                                                          << SCI
trRecParams.sciArr[1](0)>0x15
trRecParams.sciArr[2](0)>0x35
trRecParams.sciArr[3](0)>0x24
trRecParams.sciArr[4](0)>0xc0
trRecParams.sciArr[5](0)>0x89
trRecParams.sciArr[6](0)>0x5e
trRecParams.sciArr[7](0)>0x81
trRecParams.seqTypeExtended(false)>
                                                          << Extended packet numbering- 32bit or 64bit
trRecParams.seqNumLo(0)>
                                                          << Sequence number low/high
trRecParams.segNumHi(0)>
trRecParams.ssciArr[0](0)>*
                                                          << Valid if seqTypeExtended is True
trRecParams.saltArr[0](0)>*
trRecParams.seqMask(0)>
                                         << Replay window size - 0 is enforced for strict ordering
                                         << Custom Hash Key enable flag. False is automatic generation
trRecParams.customHkeyEnable(false)>
trRecParams.customHkeyArr[0](0)>*
result=GT OK = Operation succeeded
values={
 saHandle= 0xffff618d8260
```

Step-5: Install Rules in Classifier Unit

Add a new rule for matching a packet to a vPort in MACsec classifier

```
Console# cpss-api call cpssDxChMacSecClassifyRuleAdd devNum 0 unitBmp 0 direction
CPSS_DXCH_MACSEC_DIRECTION_EGRESS_E vPortHandle 0xffff618bcdf8
ruleParams.key.packetType(0)>
                                                << 0 - untagged VLAN; 3 - MACsec (ingress only)
ruleParams.key.numTags(0)>1
                                                << Number of VLAN tags
ruleParams.key.portNum(0)>50
ruleParams.mask.packetType(0)>0
ruleParams.mask.numTags(0)>0x7f
ruleParams.mask.portNum(0)>0x3f
ruleParams.data[0](0)>0x00112233
                                                << MAC DA
ruleParams.data[1](0)>0x44550000
                                                << MAC DA
ruleParams.data[2](0)>0
                                                << EtherType, VLAN tag
ruleParams.data[3](0)>0
ruleParams.dataMask[0](0)>0xffffffff
ruleParams.dataMask[1](0)>0xffff0000
ruleParams.dataMask[2](0)>0
ruleParams.dataMask[3](0)>0
```

Step-6: Enable rules on ingress/egress rule handlers

Enable a configured Classifier rule

```
Console# cpss-api call cpssDxChMacSecClassifyRuleEnable devNum 0 unitBmp 0 direction
CPSS_DXCH_MACSEC_DIRECTION_EGRESS_E ruleHandle 0xfffff618d58f8 enable true
result=GT_OK = Operation succeeded
values={ }
```

Step 7: Send plain-text packet from CPU to Port 0/50.

Capture Port 0/50 egress packet and verify if the packets are encrypted.

Note: DSA header is included in the CPU mirror packet context

```
Console# traffic
Console(traffic) # cpu rx dump
Console(traffic) # send port 0/50 data 0x001122334455001122334466
dxChNetIfRxPacketGet: device[0] queue[0] [112] bytes (include DSA bytes !)
0x0040 : 54 5e 48 87 12 27 b3 d5 48 98 be ce 57 97 e7 0e 0x0050 : 82 11 25 41 e2 fb 54 88 2e 08 5c b7 3f 24 c8 09
0x0060 : 1e 5a 68 5a 0b 63 45 d0 e9 db f3 84 55 55 55 55
Console(traffic) # dbg dsa-tag decode 0x109f30028005c4c08000019800000000
input DSA string : "109f30028005c4c08000019800000000"
DSA structure :
  dsaInfo={
   toCpu={
     cpuCode="CPSS NET FIRST USER DEFINED E",
      tag0TpidIndex=0,
      originByteCount=92,
      wasTruncated=false,
      isTagged=false,
      srcIsTrunk=false,
      isEgressPipe=false,
      hwDevNum=16,
      flowIdTtOffset={
       flowId=0
      timestamp=184,
      packetIsTT=false,
      interface={
       ePort=51,
       srcTrunkId=0.
       portNum=51
    }
  },
  commonParams={
   dsaTagType="CPSS_DXCH_NET_DSA_4_WORD_TYPE_ENT",
   dropOnSource=false,
   packetIsLooped=false,
    cfiBit=0,
    vpt=1,
   vid=2
  dsaType="CPSS DXCH NET DSA CMD TO CPU E"
Successful DSA parsing
```

Step 8: Verify statistics

```
Console(traffic)# do cpss-api call cpssDxChMacSecClassifyRuleIndexGet devNum 0 ruleHandle
0xffff618d58f8
result=GT_OK = Operation succeeded
values={
 ruleIndex=0
Console(traffic) # do cpss-api call cpssDxChMacSecClassifyStatisticsTcamHitsGet devNum 0 unitBmp 0
direction CPSS_DXCH_MACSEC_DIRECTION_EGRESS_E ruleId 0 syncEnable true
result=GT_OK = Operation succeeded
values={
 statTcamHitsCounter=0x1
Console(traffic) # do cpss-api call cpssDxChMacSecPortClassifyStatisticsGet devNum 0 portNum 50
direction CPSS_DXCH_MACSEC_DIRECTION_EGRESS_E syncEnable true preemptionClass CPSS_PORT_PREEMPTION_CLASS_EXPRESS_E
result=GT_OK = Operation succeeded
values={
portStat={
  pktsErrIn=0x0,
   tcamHitMultiple=0x0,
  headerParserDroppedPkts=0x0,
  pktsDropped=0x0,
  tcamMiss=0x0,
   pktsCtrl=0x0,
   pktsData=0x1
Console(traffic) # do show interfaces mac counters ethernet 0/50,51
Interface UC Received MC Received BC Received Octets Received
------ ----- ------
                               0
 0/50
        0
                                                 Ω
                                                                   Λ
 0/51
              1
                                0
                                                 0
                                                                   96
                                           BRDC Sent
Interface UC Sent
                           MC Sent
                                                            Octets Sent
1
0
                                                 0
 0/51
                                0
                                                                   0
```

Console(traffic)#

MACsec Egress Configuration: Port 0/51

Step-1: Initialize MACsec on device (Already done while testing MACsec ingress)

```
\label{local_console} $$ \cossole $\#$ cpss-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cpssDxChMacSecInit devNum 0 unitBmp 0 $$ \cossole $\#$ cps-api call cps-api call
```

Step-2: Enable MACsec on Port 0/51 ingress side

```
Console# cpss-api call cpssDxChMacSecPortClassifyConfigSet devNum 0 portNum 51 direction
CPSS DXCH MACSEC DIRECTION INGRESS E
portCfg.bypassMacsecDevice(false)>
portCfg.exceptionCfgEnable(false)>
portCfg.forceDrop(false)>
portCfg.defaultVPortValid(false)>
portCfg.defaultVPort(0)>
portCfg.policyMode(CPSS_DXCH_MACSEC_POLICY_MODE_MUST_SECURE_E)>
result=GT OK = Operation succeeded
values={ }
Console# cpss-api call cpssDxChMacSecPortSecyConfigGet devNum 0 portNum 52 direction
CPSS DXCH MACSEC DIRECTION INGRESS E
result=GT_OK = Operation succeeded
values={
 portCfg={
   statCtrl={
      seqNrThreshold=0,
      seqNrThreshold64=0x0
   bypassMacsecDevice=true,
    pktNumThrStrictCompareModeEnable=false,
   policyMode="CPSS DXCH MACSEC POLICY MODE MUST SECURE E",
    ruleSecTag={
      checkCe=true.
      checkSl=true,
      checkPn=true,
     checkKay=true,
     checkSc=true,
     checkV=true.
      compEtype=true
 }
}
Console# cpss-api call cpssDxChMacSecPortSecyConfigSet devNum 0 portNum 51 direction
CPSS DXCH MACSEC DIRECTION INGRESS E
portCfg.bypassMacsecDevice(false)>
portCfg.policyMode(CPSS_DXCH_MACSEC_POLICY_MODE_MUST_SECURE E)>
portCfg.statCtrl.seqNrThreshold(0)>
portCfg.statCtrl.seqNrThreshold64.1[0](0)>
portCfg.statCtrl.seqNrThreshold64.1[1](0)>
portCfg.pktNumThrStrictCompareModeEnable(false)>true
portCfg.ruleSecTag.compEtype(false)>true
portCfg.ruleSecTag.checkV(false)>true
portCfg.ruleSecTag.checkKay(false)>true
portCfg.ruleSecTag.checkCe(false)>true
portCfg.ruleSecTag.checkSc(false)>true
portCfg.ruleSecTag.checkSl(false)>true
portCfg.ruleSecTag.checkPn(false)>true
result=GT_OK = Operation succeeded
values={ }
```

Step-3: Install vPort in Classifier Unit

```
Console# cpss-api call cpssDxChMacSecClassifyVportIndexGet devNum 0 vPortHandle 0xffff618d6990
result=GT_OK = Operation succeeded
values={
    vPortIndex=0
}
```

Step-4: Install an SA record in Transform Unit

```
Console# cpss-api call cpssDxChMacSecSecySaAdd devNum 0 unitBmp 0 direction
CPSS_DXCH_MACSEC_DIRECTION_INGRESS_E vPortId 0
saParams.params(CPSS DXCH MACSEC SECY SA PARAM UNT)>CPSS DXCH MACSEC SECY SA ING STC
saParams.params.ingress.saInUse(false)>false
saParams.params.ingress.confidentialityOffset(0)>
saParams.params.ingress.replayProtect(false)>true
saParams.params.ingress.validateFramesTagged(CPSS_DXCH_MACSEC_SECY_FRAME_VALIDATE_DISABLE_E)>CPSS_DXCH_
MACSEC SECY FRAME VALIDATE STRICT E
saParams.params.ingress.sciArr[0](0)>0x12
saParams.params.ingress.sciArr[1](0)>0x15
saParams.params.ingress.sciArr[2](0)>0x35
saParams.params.ingress.sciArr[3](0)>0x24
saParams.params.ingress.sciArr[4](0)>0xc0
saParams.params.ingress.sciArr[5](0)>0x89
saParams.params.ingress.sciArr[6](0)>0x5e
saParams.params.ingress.sciArr[7](0)>0x81
saParams.params.ingress.an(0)>2
saParams.params.ingress.allowTagged(false)>true
saParams.params.ingress.allowUntagged(false)>false
saParams.params.ingress.validateUntagged(false)>false
saParams.params.ingress.preSecTagAuthStart(0)>
saParams.params.ingress.preSecTagAuthLength(0)>12
saParams.params.ingress.retainSecTag(false)>
saParams.params.ingress.retainIcv(false)>
saParams.actionType(CPSS DXCH MACSEC SECY SA ACTION BYPASS E)>CPSS DXCH MACSEC SECY SA ACTION INGRESS E
saParams.destPort(CPSS DXCH MACSEC SECY PORT COMMON E)>CPSS DXCH MACSEC SECY PORT CONTROLLED E
trRecParams.an(0)>2
trRecParams.keyArr[0](0)>0xad
trRecParams.keyArr[1](0)>0x7a
trRecParams.keyArr[2](0)>0x2b
trRecParams.keyArr[3](0)>0xd0
trRecParams.keyArr[4](0)>0x3e
trRecParams.keyArr[5](0)>0xac
trRecParams.keyArr[6](0)>0x83
trRecParams.keyArr[7](0)>0x5a
trRecParams.keyArr[8](0)>0x6f
trRecParams.keyArr[9](0)>0x62
trRecParams.keyArr[10](0)>0x0f
trRecParams.keyArr[11](0)>0xdc
trRecParams.keyArr[12](0)>0xb5
trRecParams.keyArr[13](0)>0x06
trRecParams.keyArr[14](0)>0xb3
trRecParams.keyArr[15](0)>0x45
trRecParams.keyArr[16](0)>*
trRecParams.keyByteCount(0)>16
trRecParams.sciArr[0](0)>0x12
trRecParams.sciArr[1](0)>0x15
trRecParams.sciArr[2](0)>0x35
trRecParams.sciArr[3](0)>0x24
trRecParams.sciArr[4](0)>0xc0
trRecParams.sciArr[5](0)>0x89
trRecParams.sciArr[6](0)>0x5e
trRecParams.sciArr[7](0)>0x81
trRecParams.seqTypeExtended(false)>
trRecParams.seqNumLo(0)>*
result=GT_OK = Operation succeeded
values={
 saHandle=0xffff618d9f38
```

Step-5: Install Rules in Classifier Unit

```
Console# cpss-api call cpssDxChMacSecClassifyRuleAdd devNum 0 unitBmp 0 direction CPSS_DXCH_MACSEC_DIRECTION_INGRESS_E vPortHandle 0xfffff618d6990 ruleParams.key.packetType(0) > ruleParams.key.numTags(0)>1
```

```
ruleParams.key.portNum(0)>51
ruleParams.mask.packetType(0)>
ruleParams.mask.numTags(0)>0x7f
ruleParams.mask.portNum(0)>0x3f
ruleParams.data[0](0)>0x00112233
ruleParams.data[1](0)>0x44550000
ruleParams.data[2](0)>0
ruleParams.data[3](0)>0
ruleParams.dataMask[0](0)>0xffffffff
ruleParams.dataMask[1](0)>0xffff0000
ruleParams.dataMask[2](0)>0
ruleParams.dataMask[3](0)>0
ruleParams.policy.rulePriority(0)>
ruleParams.policy.drop(false)>
ruleParams.policy.controlPacket(false)>
ruleParams.preemptionClass(CPSS_PORT_PREEMPTION_CLASS_EXPRESS_E)>
result=GT_OK = Operation succeeded
values={
 ruleHandle=0xffff618d71b8
```

Step-6: Enable rules on ingress rule handlers

```
Console# cpss-api call cpssDxChMacSecClassifyRuleEnable devNum 0 unitBmp 0 direction
CPSS_DXCH_MACSEC_DIRECTION_INGRESS_E ruleHandle 0xfffff618d71b8 enable true
result=GT_OK = Operation succeeded
values={ }
Console#
```

Step 7: Send plain-text packet from CPU to Port 0/50.

Capture Port 0/50 egress packet and verify if the packets are encrypted.

Note: DSA header is included in the CPU mirror packet context

```
Console# traffic
Console(traffic) # cpu rx dump
Console(traffic) # send port 0/50 data 0x001122334455001122334466
dxChNetIfRxPacketGet: device[0] queue[0] [80] bytes (include DSA bytes !)
0x0000 : 00 11 22 33 44 55 00 11 22 33 44 66 10 9f 30 02
0x0010 : 80 03 c4 c0 80 00 01 98 00 00 00 00 00 00 00
Console(traffic) # dbg dsa-tag decode 0x109f30028003c4c08000019800000000
input DSA string :
                   "109f30028003c4c08000019800000000"
DSA structure :
 dsaInfo={
   toCpu={
     cpuCode="CPSS NET FIRST USER DEFINED E",
    tag0TpidIndex=0.
    originByteCount=60,
    wasTruncated=false,
     isTagged=false,
    srcIsTrunk=false,
    isEgressPipe=false,
    hwDevNum=16.
     flowIdTtOffset={
      flowId=0
    timestamp=120,
    packetIsTT=false,
     interface={
      ePort=51,
      srcTrunkId=0,
      portNum=51
   }
 commonParams={
   dsaTagType="CPSS_DXCH_NET_DSA_4_WORD_TYPE_ENT",
   dropOnSource=false,
   packetIsLooped=false,
   cfiBit=0.
```

```
vpt=1,
vid=2
},
dsaType="CPSS_DXCH_NET_DSA_CMD_TO_CPU_E"
}
Successful DSA parsing
```

Step 8: Verify statistics

```
Console(traffic) # do cpss-api call cpssDxChMacSecClassifyRuleIndexGet devNum 0 ruleHandle ?
Cpss function name and parameters
Console(traffic)# do cpss-api call cpssDxChMacSecClassifyRuleIndexGet devNum 0 ruleHandle
0xffff618d71b8
result=GT OK = Operation succeeded
values={
 ruleIndex=0
Console(traffic)# do cpss-api call cpssDxChMacSecClassifyStatisticsTcamHitsGet devNum 0 unitBmp 0
direction CPSS DXCH MACSEC DIRECTION INGRESS E ruleId 0 syncEnable true
result=GT_OK = Operation succeeded
values={
 statTcamHitsCounter=0x1
\texttt{Console(traffic)\# do cpss-api call cpssDxChMacSecPortClassifyStatisticsGet devNum 0 portNum 51}
direction CPSS_DXCH_MACSEC_DIRECTION_INGRESS_E syncEnable true preemptionClass
CPSS PORT PREEMPTION CLASS EXPRESS E
result=GT OK = Operation succeeded
values={
 portStat={
   pktsErrIn=0x0,
   tcamHitMultiple=0x0,
   headerParserDroppedPkts=0x0,
   pktsDropped=0x0,
   tcamMiss=0x0,
   pktsCtrl=0x0,
    pktsData=0x1
```

Console(traffic) # do show interfaces mac counters ethernet 0/50,51

Interface	UC Received	MC Received	BC Received	Octets Received
0/50	0	0	0	0
0/51	1	0	0	96
Interface	UC Sent	MC Sent	BRDC Sent	Octets Sent
	oc sent	MC Sent	BRDC Selic	
0/50	1	0 MC Sent	0	96