```
#       File : mef.conf

######################### MEF Configuration command ##################
mefcfg={
        #Criteria: bit0-broadcast, bit1-unicast, bit3-multicast
        Criteria=2              # Unicast frames are received during 
hostsleepmode
        NumEntries=1            # Number of activated MEF entries
        #mef_entry_0: example filters to match TCP destination port 80 send by 
192.168.0.88 pkt or magic pkt.
        mef_entry_0={
                #mode: bit0--hostsleep mode, bit1--non hostsleep mode
                mode=1          # HostSleep mode
                #action: 0--discard and not wake host, 1--discard and wake host 
3--allow and wake host
                action=3        # Allow and Wake host
                filter_num=3    # Number of filter
                #RPN only support ″&&″ and ″||″ operator,space can not be 
removed between operator.
                RPN=Filter_0 && Filter_1 || Filter_2
                #Byte comparion filter’s type is 0x41,Decimal comparion filter’s 
type is 0x42,
                #Bit comparion filter’s type is  0x43
                #Filter_0 is decimal comparion filter, it always with type=0x42
                #Decimal filter always has type, pattern, offset, numbyte 4 
field
                #Filter_0 will match rx pkt with TCP destination port 80
                Filter_0={
                        type=0x42       # decimal comparion filter
                        pattern=80      # 80 is the decimal constant to be 
compared
                        offset=44       # 44 is the byte offset of the field in 
RX pkt to be compare
                        numbyte=2       # 2 is the number of bytes of the field
                }
                #Filter_1 is Byte comparion filter, it always with type=0x41
                #Byte filter always has type, byte, repeat, offset 4 filed
                #Filter_1 will match rx pkt send by IP address 192.168.0.88
                Filter_1={
                        type=0x41               # Byte comparion filter
                        repeat=1                # 1 copies of ’c0:a8:00:58’
                        byte=c0:a8:00:58        # ’c0:a8:00:58’ is the byte 
sequence constant with each byte
                                                # in hex format, with ’:’ as 
delimiter between two byte.
                        offset=34               # 34 is the byte offset of the 
equal length field of rx’d pkt.
                }
                #Filter_2 is Magic packet, it will looking for 16 contiguous 
copies of ’00:50:43:20:01:02’ from
                # the rx pkt’s offset 14
                Filter_2={
                        type=0x41               # Byte comparion filter
                        repeat=16               # 16 copies of 
’00:50:43:20:01:02’
                        byte=00:50:43:20:01:02  # ’00:50:43:20:01:02’ is the 
byte sequence constant
                        offset=14               # 14 is the byte offset of the
equal length field of rx'd pkt.
                }
        }
}


#-------------------------examples for MEF
filters------------------------------
#       example: filters to match ARP packet with protocol addr 192.168.0.104
#       mef_entry_0={
#               mode=1                  # HostSleep mode
#               action=3                # Allow and Wake host
#               filter_num=3            # Number of filter
#               RPN=Filter_0 && Filter_1 && Filter_2
#               #Filter_0 looking for rx pkt with DA is broadcast address
#               Filter_0={
#                       type=0x41
#                       repeat=6
#                       byte=ff
#                       offset=0
#               }
#               #Filter_1 looking for rx pkt with EtherType is 0x0806(ARP)
#               Filter_1={
#                       type=0x41
#                       repeat=1
#                       byte=08:06
#                       offset=20
#               }
#               #Filter_2 looking for rx pkt with ARP target protocol addr
192.168.0.104
#               Filter_2={
#                       type=0x41
#                       repeat=1
#                       byte=c0:a8:00:68
#                       offset=46
#               }
#       }
#---------------------------------------------------------------------------------
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#       example: filter to check if the destination MAC address is unicast pkt
#       mef_entry_0={
#               mode=1                  # HostSleep mode
#               action=3                # Allow and Wake host
#               filter_num=3            # Number of filter
#               RPN=Filter_0
#               #Filter_0 is Bit comparion filter, it always with type=0x43
#               #Byte filter always has type, byte, mask, offset 4 filed
#               #"byte" is the byte sequence constant with each byte in hex
format, with ':' as delimiter between two byte
#               #"mask" is also with each byte in hex format, with ':' as
delimiter between two byte
#               #"byte" should has the same length as "mask"
#               #Filter_0 will check if the destination MAC address is unicast
pkt
```

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#               Filter_0={
#                       type=0x43       #Bit comparion filter
#                       byte=00         #00 is the 1-byte sequence constant
#                       offset=0        #0 is the byte offset of the rx pkt
#                       mask=01         #1 is the 1-byte mask
#               }
#       }
#-------------------------------------------------------------------------------
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#       example: Disable MEF filters
#       mefcfg={
#               #Criteria: bit0-broadcast, bit1-unicast, bit3-multicast
#               Criteria=2              # Unicast frames are received during
hostsleepmode
#               NumEntries=0            # Number of activated MEF entries
#       }
#-------------------------------------------------------------------------------
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#       example: Test MEF filters
#       mefcfg={
#               Criteria=1
#               NumEntries=1
#               mef_entry_0={
#                       mode=4         # Test Mode
#                       action=16      # Invoke Test
#                       filter_num=0
#               }
#       }
#-------------------------------------------------------------------------------
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#       example: Test MEF filters
#       mefcfg={
#               Criteria=1
#               NumEntries=1
#               mef_entry_0={
#                       mode=4
#                       action=0
#                       filter_num=1
#                       RPN=Filter_0
#                       Filter_0={
#                               type=0x44               # test filter
#                               repeat=2                # 2 copies of 'BE:EF'
#                               byte=BE:EF              # 'BE:EF' is the byte
sequence constant
#                               offset=18               # 18 is the byte offset
of the equal length field of rx'd pkt.
#                               dest=00:50:43:20:5a:82  # '00:50:43:20:5a:82' is
the byte sequence constant
#                       }
#               }
#       }
#-------------------------------------------------------------------------------
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```