

How to Fix RIP Address Out Of Range Error When Installing Server 2008 R2

Submitted by ingram on Wed, 08/17/2016 - 8:09am

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I have primarily seen this error on HP Proliant Gen 9 Servers when installing an operating system pre-Server 2012, such as Server 2008 R2. The error may display several messages that may not mean a lot to you, such as:

X64 Exception Type 0D - General Protection Exception

RIP Address Out Of Range

CALL ImageBase ImageName+Offset

```
X64 Exception Type 0D - General Protection Exception

RCX=0000FFFFFFFFF000  DX=0000000000000000  RB=0000000000000000  R9=0000000000000040
RSP=000000006B05E468  BP=0000000000000440  nX=0000FFFFFFFFF000  BX=0000098000000000
R10=0000000000000090  I1=000000006BA5E3A0  I2=000000006B9BF010  I3=0000000FFFFFFFFF
R14=0000000091000000  I5=0000000000000000  SI=0000000000000000  DI=0000FFFFFFFFF000
CR2=0000000000000000  CR3=000000006B9BE000  CR0=80000013  CR4=00000668  CR8=00000000
CS=003B  DS=0030  SS=0030  ES=0030  RFLAGS=000102B3  MSR1D9=4801 345=32C4  1C9=0004

LBRs From      To      From      To      From      To      From      To
01h 1004D950->74432191 1004D90C->1004D947 1004D8F6->1004D8FE 10030BF4->1004D8D0
05h 10030BD0->10030BE9 100309F5->10030878 10031F7D->100309D2 10034370->10031F65
09h 100342CC->10034352 10031F60->100342A8 10031F59->10031F60 10032E02->10031F47
0Dh 10032D6D->10032E5F 10032D38->10032D6B 100331EF->10032D31 7443219C->78466340

CALL ImageBase      ImageName+Offset
00h 0000000010000000  cdboot+04D950h
RIP address out of range
```

```
CALL ImageBase ImageName+Offset

STACK 00h 04h 08h 0Ch 10h 14h 18h 1Ch
RSP+00h 10030BF9 00000000 6BA5E980 00000000 80000448 00091000 00000300 6B9BE000
RSP+20h 00000030 00000000 00000000 91300000 00300000 100304ED 91000000 00000008
RSP+40h 6BA67793 10068BB0 00300000 6BA5E9F0 100313AD 1004BC4B 00000008 00000000
RSP+60h 00300000 10068BB0 10099720 00000000 10016985 91000000 00000000 00000000
RSP+80h 00000000 00000400 10068BB0 10013D0B 10068BB0 91000000 00000000 100240BC
RSP+A0h 10010F5C 10068BB0 00000000 100283E7 00000005 00000010 00000000 1002925C
RSP+C0h 00000000 10010C67 00000000 6BA5EBEB 10020000 100996A0 00000000 72EB3998
RSP+E0h 0000034D 100012B0 00000000 726BA398 00000400 00000000 00000014 00000000
```

The most likely time you will see this error is when booting to a Server 2008 R2 installation disc.

To resolve this error, in the bios, disable the following setting:

UEFI Optimized Boot

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