

mspQoS 2.5.1.33 patch for BCM 2.5 FP1 MR1.1

Problem: A customer site was experiencing periodic bluescreens. Their setup included a BCM connected to an ITG via an ASN.

The problem is that there was memory corruption because we were not handling incoming fragmented H.225 setup messages properly.

Solution: We are now doing bounds checking to make sure we do not overflow the buffer used to handle these fragments. Also, we have added additional buffers to handle simultaneous occurrences of these fragmented messages. Previously, we could only handle one.

CRs Resolved:

- Q00589211: Devon Fire & Rescue – Bluescreen
- Previously Fixed CRs
 - Q00417742: mspQoSMP Event 4042 errors seen in Event Viewer>System many times
 - Q00112353: VPN and NAT Not Working on Same Interface.

Software components changed: There is 1 file included in this change:

1. mspQoS.sys 2.5.1.33

Designer Sanity: Tests were as follows:

1. Setup two BCMs, each with 2 phones. 1 BCM had 2 IP phones and the other had 1 IP phone and 1 digital phone. The connection between the BCMs was WAN X.21 with a frame size of 264. Multiple pairs of calls were made from the phones. One BCM was the System Under Test. Calls were initiate either from both phones on the opposite BCM, one call from the opposite BCM and one from the SUT, or 2 from the SUT.
2. The driver was placed on the Hammer system in Santa Clara and run over the weekend.

Release Notes: [See attached.](#)

Time Frame: ASAP.

BCM Release and Affected Profiles: BCM 2.5 FP1 MR1.1

