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VIRTUAL MACHINES****Publication Classification**(51) **Int. Cl.****H04L 12/46** (2006.01)**G06F 9/455** (2006.01)**H04L 45/586** (2006.01)**H04L 49/00** (2006.01)**H04L 61/103** (2006.01)(52) **U.S. Cl.****CPC** **H04L 12/4625** (2013.01); **G06F 9/45558**(2013.01); **H04L 45/586** (2013.01); **H04L****49/3009** (2013.01); **H04L 61/103** (2013.01);**G06F 2009/45595** (2013.01); **H04L 2101/622**

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(57)

ABSTRACT

Systems, methods, and computer-readable media for requesting a cellular IP address by initiating a call with a modem, establishing data packet network connectivity with the cellular IP address, assigning the cellular IP address to a virtual L2-bridge interface, wherein the virtual L2-bridge interface includes a MAC address, mapping a MAC address of a virtual machine with the MAC address of the virtual L2-bridge interface, detecting a change in the cellular IP address, and updating the virtual L2-bridge interface with a different cellular IP address while maintaining the data packet network connectivity.

