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(54) **PER-NAMESPACE IP ADDRESS  
MANAGEMENT METHOD FOR CONTAINER  
NETWORKS**

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(57) **ABSTRACT**

Some embodiments of the invention provide a method of sending data in a network that includes multiple worker nodes, each worker node executing at least one set of containers, a gateway interface, and a virtual local area network (VLAN) tunnel interface. The method configures the gateway interface of each worker node to associate the gateway interface with multiple subnets. Each subnet is associated with a namespace, a first worker node executes a first set of containers of a first namespace, and a second worker node executes a second set of containers of the first namespace and a third set of containers of a second namespace. The method sends data between the first set of containers and the second set of containers through a VLAN tunnel between the first and second worker nodes. The method sends data between the first set of containers and the third set of containers through the gateway interface.

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