

Title (en)

PROVIDING STATEFUL SERVICES A SCALABLE MANNER FOR MACHINES EXECUTING ON HOST COMPUTERS

Title (de)

BEREITSTELLUNG VON ZUSTANDSBEHAFTETEN DIENSTEN IN EINER SKALIERBAREN WEISE FÜR AUF HOST-COMPUTERN AUSGEFÜHRTE MASCHINEN

Title (fr)

FOURNITURE ÉVOLUTIVE DE SERVICES DYNAMIQUES POUR DES MACHINES S'EXÉCUTANT SUR DES ORDINATEURS HÔTES

Publication

EP 4185959 A1 20230531 (EN)

Application

EP 21811583 A 20211026

Priority

- US 202017122153 A 20201215
- US 202017122192 A 20201215
- US 2021056574 W 20211026

Abstract (en)

[origin: WO2022132308A1] Some embodiments provide a method for performing services on a host computer that executes several machines in a datacenter. The method configures a first set of one or more service containers for a first machine executing on the host computer, and a second set of one or more service containers for a second machine executing on the host computer. Each configured service container performs a service operation (e.g., a middlebox service operation, such as firewall, load balancing, encryption, etc.) on data messages associated with a particular machine (e.g., on ingress and/or egress data messages to and/or from the particular machine). For each particular machine, the method also configures a module along the particular machine's datapath to identify a subset of service operations to perform on a set of data messages associated with the particular machine, and to direct the set of data messages to a set of service containers configured for the particular machine to perform the identified set of service operations on the set of data messages. In some embodiments, the first and second machines are part of one logical network or one virtual private cloud that is deployed over a common physical network in the datacenter.

IPC 8 full level

G06F 9/50 (2006.01)

CPC (source: EP)

G06F 9/5077 (2013.01)

Citation (search report)

See references of WO 2022132308A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022132308 A1 20220623; EP 4185959 A1 20230531

DOCDB simple family (application)

US 2021056574 W 20211026; EP 21811583 A 20211026