

Title (en)

DYNAMIC MANAGEMENT OF SOFTWARE-DEFINED SERVICE CHAINS FOR SATELLITE COMMUNICATION

Title (de)

DYNAMISCHE VERWALTUNG VON SOFTWAREDEFINIERTEN DIENSTKETTEN FÜR SATELLITENKOMMUNIKATION

Title (fr)

GESTION DYNAMIQUE DE CHAÎNES DE SERVICE DÉFINIES PAR LOGICIEL POUR UNE COMMUNICATION PAR SATELLITE

Publication

EP 4393128 A1 20240703 (EN)

Application

EP 22715443 A 20220317

Priority

US 2022020715 W 20220317

Abstract (en)

[origin: WO2023177400A1] Conventionally, software-based services that utilize satellites are manually and painstakingly configured, provisioned, activated, and calibrated, because the complexity and variability of satellite links prevent automated and scalable service orchestration. Accordingly, systems and processes are disclosed for automated and scalable orchestration of services that utilize satellite links. In response to a service request, comprising a service definition for an end-to-end service, parameter(s) of a satellite link that satisfies the service definition may be calculated. These parameter(s) may be used to select a configuration for a satellite-network service chain, comprising a plurality of virtual network functions, from a service catalog. The satellite-network service chain may then be instantiated, within a cloud infrastructure, using the selected configuration. This process may be implemented in a software-defined network controller which dynamically manages the resources and configuration of the service chain.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2023177400A1

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