

allows you to link the performance of the network virtualized function with the amount of resources allocated to it, as well as take into account the hybridity of the telecommunications environment. The method can be applied dynamically when managing the network functions deployment in a hybrid hardware environment to minimize the costs for the communication operator and improve the quality of service for subscribers.

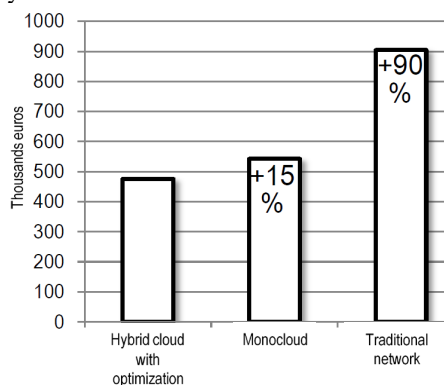


Figure 3: Costs of system resources using the NFV placement method and not using it.

3 CONCLUSIONS

This article considers: the classification of services proposed by TM Forum as the main factors that determined the emergence of NaaS technology, the level of requirements for managing network services in real time and the level of automation, which will be decisive for increasing the economic efficiency of providing modern services to end users.

A method of managing placement and determining the required amount of resources of network functions is proposed to optimize the amount of computing resources allocated to a network function in a telecommunications operator's network.

The proposed method allows you to bind the performance of the network virtualized function with the amount of resources allocated to it, and also takes into account the hybridity of the telecommunications environment.

The method can be applied in managing the deployment of network functions in a hybrid hardware environment to minimize the costs for the communication operator and improve the quality of service for subscribers.

Future research should be related to the development of technology for implementing the proposed method of dynamic reconfiguration of

computing resources into the system architecture of the CSP-provider and its adaptation in real conditions..

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