Prototype of a ChoiceNet Economy Plane for the Future Internet Architecture

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Introduction
ChoiceNet enables short-term contracts for network services to be established in real time. The economy plane facilitates dynamic deployment of network services over short, medium, or long time scales.

Motivation
We believe a dynamic ecosystem will benefit users and providers equally, e.g., in the manner in which “app stores” have dramatically reshaped the market for mobile applications. For users, increased competition among service providers is expected to lead to innovation and a significant expansion in the number and variety of available network services. For service providers, on the other hand, the introduction of new, appropriately priced offerings has the potential to significantly grow the overall network services market.

Prototype Design
Three main entities participate in the economy plane: the marketplace, service providers, and service users. A marketplace provides the framework in which network services are offered by the providers and purchased by the users.

Interaction
Payment Integration

Syntax and Semantics

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