



Alviu® is Telcaria's network solution for enterprises, a centralized controller that oversees the 3 Cs in the network and manages them as a single logical entity: Control, Communication and Computation. Alviu interprets corporate policies and abstracts the complexity of the underlying physical and Cloud infrastructure, all while reducing cost of network equipment and operational expenses.

The Alviu orchestrator is a flexible and robust solution as there is no static overlay network but rather a dynamic intent-based connection between network entities configured at run-time. It overcomes the lack of visibility and rigidity of traditional solutions based in a complex mix of distributed protocols, offering a secure, easy to manage and centralized control over the network.

These are the main features of our C3 solution:

Network Management



Centralized Policy-based Control

Single, global control point from which the whole network can be viewed and managed. Policies can be applied globally or to certain network groups, eliminating the necessity of manual node by node configuration of the devices



Monitoring and Error Detection

Instantaneous reporting of WAN quality and capacity reduction. React to WAN failures faster with automated notifications and professional services to engage with multiple service providers



Elimination of Vendor Lock-in

Unlike most enterprise network solutions, Alviu does not lock the client to a certain vendor and range of telecommunications equipment. It is based in low-cost but high performing commodity network appliances and white-box switches, which the client can purchase and combine at its best interest.



Network virtualization

Capability of virtualizing the network topology and services through containers and virtual machines, enabling a high performing environment for simulating and testing network configurations and services



Zero-touch deployment

Rapid plug-and-play configuration of the switches with automatic application of global connection, security and load balancing policies

Network Security



Distributed Firewall

Distributed firewall that enables security policies applied at a user's, application, and protocol level in each of the network hops, without the necessity of sending all traffic through a central point of control. Sensible traffic can however be redirected on-demand for further inspection



Data Encryption

Encryption of the traffic on Branch gateways using FIPS compliant Data Encryption algorithms

Network Policies



Quality of Service (QoS)

Traffic quality policies for queueing and transmission of application and user traffic to ensure bandwidth and performance requirements



Load Balancing

Balancing of the data traffic based on the capacity of the links and on the computation performance of critical applications

Software Defined Routing



OSPF and BGP Integration

Integration with Legacy networks by announcing and discovering routes through the OSPF and BGP protocols



SD intent-based routes

Dynamic weighted routes established at run-time based in connection intents between network entities through dynamic path computation and tunneling techniques