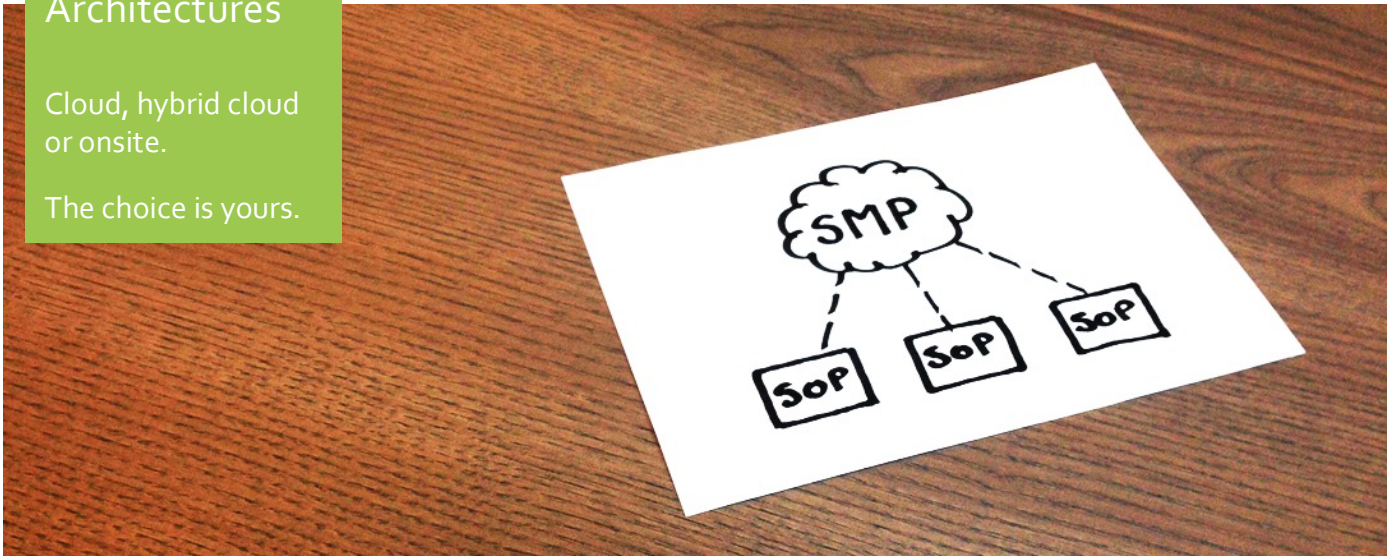


# Service Deployment Architectures

Cloud, hybrid cloud or onsite.

The choice is yours.



## Service Deployment Architectures

Single site or multi-site ? Onsite, hybrid cloud or cloud ? The pragmatic ESCAUX service portfolio supports virtually any network topology, is simple to deploy and easy to maintain.

### Benefits at a glance

#### All-in-one

Single appliance including all communication features.

#### Simplicity

Single web interface to manage all sites, users and features.

#### Affordable redundancy

Redundant deployment at hardware cost, no additional licenses.

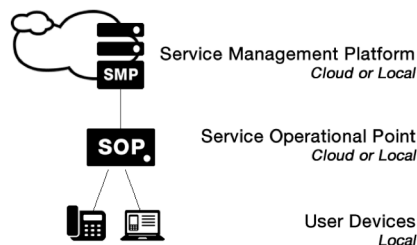
#### Any architecture supported

Single site, multi-site (centralised /distributed) or cloud.

### Private cloud, pure cloud or hybrid cloud

ESCAUX rich communication services like UC, SBC, FMU, Intelligent SIP Trunking, ... are defined through the SMP and deployed on SOP appliances running all real-time applications. The SOP can be a physical server located in the customer's LAN or a vSOP, virtualised in a datacentre.

The SMP is a cloud platform and all SOP and vSOP appliances are entirely configured and managed via the SMP.



### Compact or distributed

A rich communication service consists of various sub-services distributed across various physical SOP appliances for scalability reasons. In smaller deployments these services can run on a single appliance

to reduce the overall cost. ESCAUX supports both architectures. In its most compact form a SOP is capable of executing all services.



### Disaster Recovery

When a SOP appliance breaks down, thanks to the cloud based deployment architecture, an exact copy can be deployed in a matter of minutes.

### Easy multi-site management

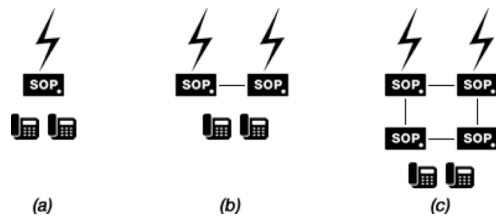
Being cloud based, the SMP provides a consolidated management across all your sites and appliances, as if it was a single appliance. Adding a site is easy thanks to the automatic intra-cluster SIP trunk creation and routing.

Consolidated reporting gives you the power to receive statistics across all sites and appliances in single automated report.

### Affordable redundancy

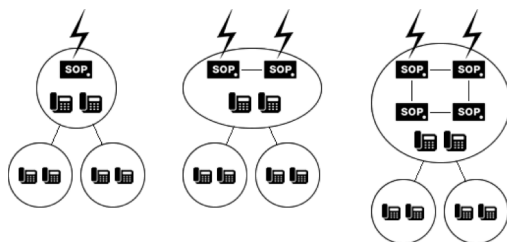
A traditional communication system always uses one server for each application (e.g. call handling, IVR, voice mail, call centre, SBC, SIP Trunking, ...) and adding redundancy implies adding a second server for each functionality. With ESCAUX, in case of smaller deployments, all applications run in a single SOP appliance and implementing redundancy is as simple as adding one additional SOP appliance.

### Single site deployment



In its simplest form, a full-featured ESCAUX communication solution comes as a single appliance solution (a). Adding redundancy is simply a matter of adding a second server (b). For larger deployments, the gateway function is split from the applications server (c).

### Multi-site deployment - centralised

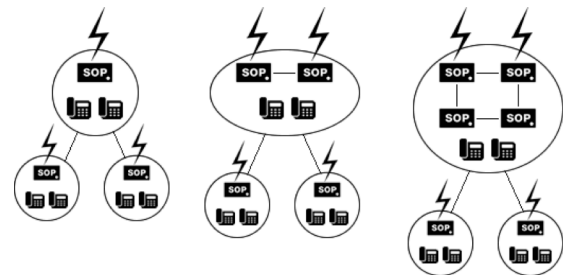


A centralised multi-site solution does not require additional appliances to be deployed and is very similar to a single site deployment. In a centralised multi-site solution the phones are simply located on remote sites and connected to the centralised appliances over a QoS enabled VPN connection. Through Call Admission Control (CAC), overbooking of the VPN access lines is avoided to guarantee communication quality.

### About ESCAUX

ESCAUX is a worldwide reference in Unified Communications platforms for fixed line, mobile and military satellite operators. The ESCAUX Unified Communication Solutions are built on a modular technology with respect for open standards. The extremely powerful ESCAUX Service Creation Environment enables operators to address any possible market segment (SOHO, Small & Mid-size Enterprises, Corporate) with any possible deployment architecture (on-site, hybrid cloud, pure cloud).

### Multi-site site deployment - distributed



A distributed multi-site solution differs from a centralised deployment in the sense that a SOP is installed at each remote location. There are several good reasons to choose for this kind of architecture:

- Less dependence on the VPN network. When the VPN network goes down, the remote site remains up and running. The remote SOP acts as a full featured communication platform, compared to competing solutions, where the remote appliance works in "survival" mode, only offering a small subset of features to a reduced number of users;
- Possibility to implement a local break-out on each remote site where legacy equipment is present like data modems or critical fax machines;

The consolidated management functionality, inherently offered by the cloud based SMP platform, makes that all these remote SOP appliances are managed as if they were a single physical server located on the central site.

### Cloud

Using ESCAUX' unique virtualisation technology, any SOP appliance can be implemented as a vSOP to build a cloud solution.

