LIVESERVE VIDEOSHARE SUITE

solaiemes
working around mobility
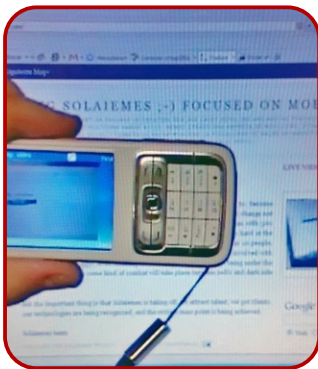
The LiveServe VideoShare Suite is a communications infrastructure bundle enabling a wide range of compelling multimedia mobile solutions. VideoShare is a combinational service using regular Voice combined with Packet Video Data. The infrastructure could be hosted at carrier or MVNO side as own or as ASP, at a Hosting/Housing company as new business revenue generator or be installed directly at final customer facilities.

All the solutions are fully compatible with IMS Application Server standards or can work in standalone mode where carrier branded IMS service is not available.

MOBILE TO SERVER / MOBILE TO WEB VIDEOSHARE

Use Cases:

* Video-Blogging
* Task Video-Reporting (cleaning, gardening, maintenance, insurance reports)
* Law enforcement and emergencies
* Online Media News Gathering
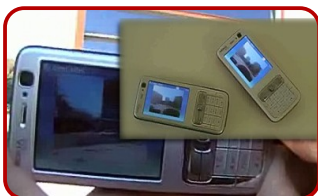* Crisis Management.
* Video-Surveillance
* Personal IPTV Station

SERVER TO MOBILE VIDEOSHARE

Use Cases:

* Mobile Advertment
* Video Contact Center (multimodal CRM combined with IVR)
* Mobile VideoAlerting
* News delivery
* Mobile Video On Demand

PEER TO MULTIPEER VIDEOSHARE

Use Cases:

* Crisis Management
* Law enforcement and emergencies
* Communities
* Corporate VideoNews distribution

The LiveServe Suite platforms are based on commercial INTEL HW architecture with highly reliable Linux OS.

Solaiemes can escalate / implementing redundancy of their platforms according to the customer capacity needs. Below you can find detailed explanation of each component:

ConverG

Solaiemes **ConverG** is the IMS Application Server capable of managing combinational services (3G feature allowing simultaneous voice and data connections). ConverG has 2 operational modes:

> a) IMS AS to manage combinational services accepting "third party registration" events and redirecting the traffic from subscribers using standard "Initial Filter Criteria"

> b) Standalone Application Server capable of managing combinational services when no IMS infrastructure is available.

ConverG combines SipRegistar, SipProxy, and VoIP switching functionality to manage multimedia flows coming from heterogeneous paths and delivers them coherently to build complete mobile solutions. ConverG works with different UserAgents (handsets, PC clients, media servers) to create a wide range of solutions based on Video-Sharing (or other combinational services) in uplink, downlink or both. ConverG is used combined with Solaiemes LiveServe products, and it is offered to other companies interested in developing advance mobile multimedia solutions. ConverG has been successfully integrated in third party solutions. (*Successfully interoperated with IMS leader vendor.**)

LIVESERVE

Solaiemes LiveServe Server enables VideoShare solutions for Mobile to X (Mobile to Server, Mobile to Web) real time insertion of audio and video streams. LiveServer supports SIP softphones and 3G videoshare enabled handsets (Nokia N-series, etc.). **No additional handset software is needed.**

To ease integration, Solaiemes supplies Web 2.0 widgets to integrate real-time video/audio feeds in a matter of seconds in WEB 2.0 sites such as Blogger or intranets.

LIVESERVE MEDIA SERVER

Solaiemes LiveServe Media Server enables Downlink based VideoShare solutions, for Server to Mobile use cases. The LS Media Server:

> a) Manages VideoShare SIP signalling to ConverG and/or the IMS core.

> b) Streams RTP media to final peers supporting a wide choice of standard formats.

> c) Exports a BUS interface for bi-directional communication with 3rd party solution servers. The BUS Manager receives requests (play to peer, stop, cancel, pause, etc) for the MediaServer and receive the status updates about their completion. The architecture allows development by 3rd parties and building very complex solutions using real-time video (News, security, emergency, IVR, multimedia ERP, multimedia CRM).

PEER TO MULTIPEER VIDEOSHARE APPLICATION SERVER

Combined with the ConverG platform, this AS enables peer to multipeer videoshare, as defined by GSM Association. This cutting-edge product not only setup that videoshare sessions but also supports advanced features, such as triggering the combination voice calls, avoiding the need for additional expensive systems. Briefly, calling a suitable number triggers multipeer videoshare, the AS setups n voice calls and starts the video sharing session with n peers. Peer to multipeer AS capacity is scalable, initial standard capacity is 120 voice lines, thus allowing 30 typical (1-to-3) simultaneous sessions.
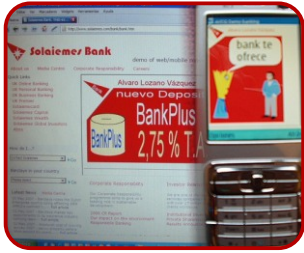
AVISG (AGNOSTIC VIDEO INFORMATION SERVICE GATEWAY)

AVISG is the main result in Solaiemes' usability product line. It constitutes a mobile web content push platform that allows easy access to mobile multimedia content from any handset. Embedded push characteristics allow to deliver contents suited to the subscriber needs, avoiding the usual web browsing mechanisms that are not suited to a mobile environment. The result is enhanced usability with all its associated benefits (customer satisfaction, increased service usage) and enabling new services based on quick and efficient access to information (CRM, ERP enterprise data, etc.).

AVISG framework eases the construction of mobile services providing the subscriber with any multimedia content and information. AVISG automatic navigation engine with advanced push mechanisms updates the information in the handset browser in response to external events, minimizing user keyboard interaction. Moreover the information delivered may be dynamically generated, and AVISG provides an integration bus and a templating engine that allows fetching information from existing IT systems and delivering in a multimedia format to the handset browser.
AVISG can be used to build different kind of services:

* Multimedia mobile contact center services with the possibility of multimodal interaction: mixed and simultaneous vocal and manual browsing.
* Mobile Advertisment / Mobile Marketing with enhanced animation quality, customizing ads capability, and possible direct feedback from user.
* Mobile push content delivery services, like multimedia alerts that can be delivered to the browser.
* Vocal web application browsing.
* Autonavigation services where the information sent to the browser is dynamically calculated from the subscriber preferences and then presented to the user in an automated way without manually browsing.

Among the main product features are the built-in multidevice support. Using the WURFL database the system is able to identify the capabilities of the user handset and adapt the available contents to the handset characteristics. It also implements an auto navigation engine with push capabilities. This way the system relieves the user from the browsing tasks, and the information screens are "pushed" to the mobile browser according to predefined navigations, to the user preferences and to events originated in external systems. The content delivered to the handset is managed in an integrated Web Content Management System, allowing easy content publishing procedures. Content may also be dynamically generated by means of the integration bus included in the product and the templating engine. This way external data sources can be configured in the integration bus and data from them can be used to generate content with the preconfigured templates.

AVISG is built on top of existing JEE technologies that guarante it to be an enterprise ready product. Several servers can be stacked in a cluster configuration to provide highly scalable and fault tolerant features.

AVISG is a standards based framework to guarantee the integration with external systems, but with the flexibility to accommodate existing customized solutions.

Characteristics

* *Delivered as an stackable appliance system, to allow plug-and-play deployments.*
* *Content and template repository accessible through standards means: WebDAV and JSR170.*
* *Standard JEE authentication and authorization services to allow integration with existing user repositories.*
* *Multidevice support included, when possible AVISG can automatically transform content from the original format to the handset supported ones.*
* *Navigation and content associated to each information screen can be easily configured in a XML file.*
* *Support most of the handsets in the market, adapting the content and push navigation to the handset supported mechanisms.*