

SIMtone USP



Provision, Manage and Deliver Any CLOUD Service to Anyone, Anywhere, on-demand and on-the-fly

SIMtone Universal Service Provisioning Platform

Network Operators Product line

Inside:

SIMtone USP

OAM Expansion Modules:

SIMtone XAS – Extended Service Administration Manager

SIMtone SAM – Service Aggregation and Access Manager

SIMtone SSM – Self Help and Support Manager

Green Cloud Computing For everyone!



The **SIMtone USP** is a single, modular software platform that enables Network Operators to provision, manage and deliver any type of "Cloud Computing Service" to their subscribers, anywhere, on-demand and on-the-fly.

Designed and built to match Tier 1 carrier operators requirements, it is the first data-less, state-less, protocol-independent, multi-service provisioning platform that automatically provisions and manages connectivity, security, service session, its quality and features, as well as subscribers and devices, for any number and any type of computing services

hosted "in any cloud". SIMtone USP delivers Cloud services such as Virtual Desktops, DaaS and SaaS, Web Applications to subscribers, on demand and on the fly, on any device and any broadband connection, via a single user ID.

The SIMtone platform allows Operators to provision their own SIMtone Cloud Computing Services as well as offer privately manageable, seamless, mobile and secure on demand access to their Customer's "Clouds" very inexpensively, without any additional network asset build-out and eliminating all

end-point management costs, for themselves and for their customers.

It is the only Cloud Computing Platform solution that can be offered as a broad telecommunication service, 100% from inside the network. It is designed to scale massively and reliably using commodity hardware, and reduces power usage across the entire network, from the end-point to the datacenter, allowing for unparalleled economies of scale and unprecedented low provisioning costs for the Operator, the Cloud Service Provider and the End User.

"Cloud Computing" - *computing without a computer* - lies in the near future for every computer user on the planet. And the surest route to this digital nirvana -- simpler, cheaper, faster and more secure than any other solution -- is

Computing without your Computer, simply and safely, everywhere!



On any Device....



On Demand....



On the Fly!



SIMtone USP product line



WHAT IS XDP 2.0?

XDP is the multi-point signaling protocol used by the SIMtone Cloud Computing Platform to deliver Cloud Computing Services to End Users without requiring them to own, manage and configure a... computer!

XDP 2.0 is the latest revision of this powerful protocol that offers:

- *Mp3 audio performance*
- *Full frame rate Desktop Video*
- *Fast USB redirect performance*
- *Optimized bandwidth utilization*

In addition to standard XDP 1.0 features such as fast user response, security and rendering protocol independence.



The SIMtone USP product line consists of the USP base platform and a number of OAM Expansion Modules.

The SIMtone USP base platform is the fundamental element of the SIMtone Cloud Computing Platform. When installed and provisioned on an Operator's Network, it enables Data Centers to quickly register their hosted services with the Operator, activate or terminate any subscriber

and deliver immediate access to their services.

SIMtone USP intelligently delivers all services to zero-touch, non-processing terminals (SNAPs) that can be standalone, low cost hardware appliances, or software terminals usable via browsers or on PCs.

The SIMtone XAS service administration platform offers service management capabilities such as granular

multi-service - multi-level administration and profiling capabilities.

The SIMtone SAM is a service aggregation platform that allows multiple Cloud services to be accessible with a single SIMtone subscriber ID.

The SIMtone SSM is the self support subscriber platform that offers capabilities such as one-click service fail back and recovery for any service

SIMtone USP base platform features

Automatically activates any SNAP Terminal on any wire line, wireless and 3G LANs, VPNs and Internet broadband connection.

Dynamically and automatically instantiates secure connectivity between each Cloud service and the user terminal, on demand and on the fly.

Automatically formats and delivers Cloud hosted services' display, sound, USB and User control back-channel to any SNAP

terminal.

Supports XDP 2.0, delivering very low transport overhead, high efficiency bandwidth utilization, full encryption, defense-grade security, automatic tunneling instantiation and more.

Supports PKI 2.0 (TLS 1.0)

Includes base administration for Cloud Services registration and User activation and termination

Modular, multiple node scalability with up to

200,000 service sessions per node.

Supports in-node high availability and geo-redundant configurations

Operates on commodity hardware at approximately \$1 per user capex.

Very low power requirements

DVD Software Package includes Installation, Configuration and Test and Acceptance Manuals.

SIMtone XAS Administration Module features

Delivers 100% Network Provisioned, granular administration for Cloud Hosted Services, without requiring any Host login or reconfiguration.

Multi-service administration, supporting Operator, multiple Data Centers & Cloud Services, Domains, Groups and user levels

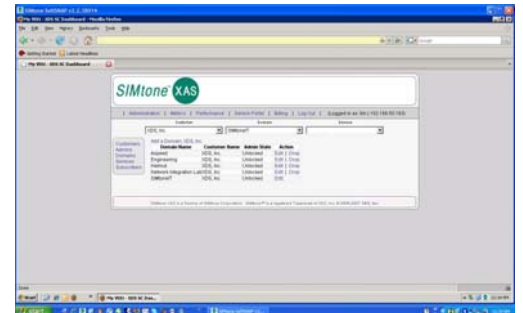
Register / Activate / Suspend and Terminate Data Center Services, Subscribers & Administrators

Full Service Profiling and Mgmt, including Service Features, Access Features, Device and Mfr. Types

BSS Reporting / Billing feeds

Session Metrics and reporting

Downloadable Software Package, includes Installation, Configuration and Operation and Testing Manuals



SIMtone SAM Service Aggregation Module

The SAM Extension Module allows Network Operators to aggregate and bundle multiple services for each subscriber, and deliver access to them via a single SIMtone user ID.

Operators and their Customers can manage services, service subscription and billing processes in a much simpler, customer oriented fashion, as well as easily promote, sell and up sell new service offerings and service upgrades by subscriber profiles, via a single, privately branded SIMtone Subscriber ID

Operators can solidify and

extend the franchise of their Operator/Subscriber relationship and branding with a single SIMtone ID, using any merchandising mechanism, such as simple plastic cards, for example, to promote, sell and deliver all the Cloud Computing services they make available on the SIMtone directly, or from third party service providers.

Downloadable Software Package, includes Installation, Configuration and Operation and Testing Manuals





SIMtone SSM Self Support Module

SIMtone USP is the only universal network signaling platform designed from the ground up with Carrier-Grade scalability, reliability and end-to-end in-network service management and provisioning in mind.

SIMtone USP enables a single carrier infrastructure to ubiquitously deliver any Cloud Computing Service on-demand and on-the-fly to any broadband POP, including standard internet ones, with consistent performance, security, very low cost and strong SLAs, without requiring a computer at the edge of the Cloud.

SIMtone SSM offers Operators a multi-service Subscriber support platform that enables subscribers to verify the status, and reset when needed, any of their hosted Cloud Services as well as the SIMtone itself, with a click of button, directly from any SNAP Terminal, without requiring separate access to a PC with a Web Browser installed.

SIMtone SSM also provides a direct support window to submit trouble tickets in

case of service outages or problems requiring Tier-2 or Tier-3 Service Provider support.

For example, a Hosted Windows desktop could freeze because of a virus or an incorrect software installation by the user. The SIMtone SSM allows the user to check the status and reset the desktop service directly from the SIMtone network, without rebooting or going into safe mode for repair. Key features include:

- SIMtone Subscriber ID Mgmt/reset/lockout reset

- One-click Cloud and SIMtone services status

- One-click Cloud and SIMtone services reset / restore

- Cloud and Simtone Support window.

Downloadable Software Package, includes Installation, Configuration

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About SIMtone

The SIMtone Corporation makes Cloud Computing universally simple.

The company has developed and commercialized the patented SIMtone Universal Cloud Computing Platform that allows network operators and businesses to host, manage and quickly provision any Cloud-hosted services, and ubiquitously deliver them to zero-touch terminals that can

be standalone, low cost hardware appliances, or software terminals usable on browsers or on PCs, thin clients and mobile devices.

With the SIMtone, Cloud services such as virtual desktops, DaaS/SaaS, PC Remote Access or Web services, are simple and very inexpensive to host and manage for businesses and providers, and become

usable without a computer, on demand and on the fly, simply and safely, by everyone, everywhere.

SIMtone Corporation's North American headquarters are based in Durham, North Carolina and SIMtone International headquarters are based in Vevey, Switzerland.