

# SIMtone Platform Overview



*Computing without your Computer, Simply and Safely, Everywhere!*

## SIMtone Universal Cloud Computing Platform

Inside:

**SIMtone Universal  
Cloud Computing  
Products:**

**SIMtone USP** – Universal  
Service Provisioning Platform

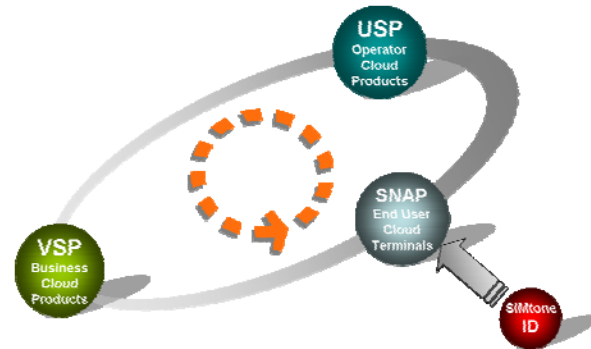
**SIMtone VSP** – Virtual  
Service Platform

**SIMtone SNAP** – Universal  
Cloud Computing Terminal

**“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 ....



## We Make Cloud Computing SIMple!



The SIMtone Universal Cloud Computing Platform enables multiple Cloud services, such as “PCs in the Cloud”, Virtual Desktops, DaaS and SaaS, or Web Services to be hosted and managed simply, securely and inexpensively in any datacenter, and be ubiquitously accessible by end-users with a single user ID, on demand and on the fly, via any device on any broadband connection, and without requiring a computer at the edge.

The SIMtone platform allows Network Operators to host, manage and deliver their own Cloud Computing

Services as well as offer privately manageable, seamless, mobile and secure on demand access to their Business Customer’s “Cloud Data Centers” simply, very inexpensively, without any additional network asset build-out and eliminating all end-point management costs.

It is the only solution that enables any Cloud Computing services securely hosted, managed and controlled by Service Providers, Enterprises and Small Businesses, to be offered as broadly available and accessible telecommunication services by Network Operators.

Designed and built to match Tier 1 carrier operator’s requirements, the SIMtone platform scales 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.

## Computing without your Computer, simply and safely, everywhere!



*On any Device....*



*On Demand....*



*On the Fly!*



## SIMtone USP Platform



### 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** 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.

## SIMtone USP product line features

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

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 VSP: Virtualization made SIMple!

The **SIMtone VSP** allows service providers, enterprise organizations and small- and medium-sized businesses to easily transform existing application and desktop infrastructures into "cloud computing-enabled" infrastructures, highly manageable and securely accessible on demand and on the fly from any LAN, WAN or internet access points. The SIMtone VSP enables multiple and diverse Operating Systems and

applications hosted in Virtual environments, Terminal Servers, Blade PCs as well on existing distributed desktop PCs, to be aggregated, managed, migrated and provisioned as end-users Cloud services very simply. The SIMtone VSP provides a simple, inexpensive and flexible path towards Enterprises and small/medium businesses a smooth, continuous and fail back-safe migration from distributed to

virtual desktop environments, flexibly and securely manageable in stealth, non-addressable Ip environments, in house or in external hosting facilities.

SIMtone based desktop and application services provide a powerful, cost-effective and secure alternative to solutions such as Citrix, enabling businesses to consolidate, virtualize and Cloud-enable their desktop and application infrastructures inexpensively, delivering users with full and

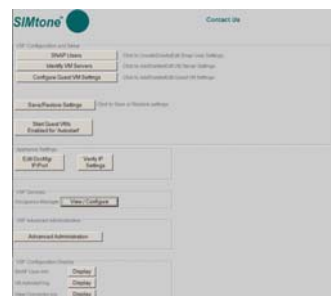
secure access to their computing environment on demand from any LAN or internet access point, without requiring a computer.

## SIMtone VSP Product Line

SIMtone VSP products are available in three versions: Business, Enterprise and Stratus editions. All VSP service platforms allow the management, migration aggregation and service profiling, of existing physical and virtual desktop and application infrastructures into Cloud Services easily and securely accessible by end users from anywhere. SIMtone VSP products include a GUI-based administration console to easily provision, activate and manage virtual guest machines, terminal servers, blade PC and

distributed PC-based desktops on-the-fly. This provides an extremely simple transition to virtual desktops environments, while leveraging existing investments in IT infrastructure to instantly Cloud-enable desktop services. VSP products support secure, stealth, private and multi-tenancy hosting, automated SIMtone USP access services registration and activation and XAS service management features. SIMtone VSP products support any combination of VMware

Server and ESX, Windows XP, Vista and Terminal Server hosts. VSP Enterprise offers multi-zone network security deployments. VSP Stratus offers automated, user-activity driven, peak capacity based guest machine management, load balancing, and failure recovery, radically reducing virtual datacenters real-estate and power requirements.





*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 SNAP Terminals: Cool, Green, Inexpensive And.... SIMple

The **SIMtone SNAP zero-touch cloud computing terminals** are non-processing, fully stateless devices that allow end users to login to all of their cloud computing services with a single user ID from anywhere. SNAP Terminals are designed to be zero configuration, hence do not require users to do or know anything about their services or network connection, and instantly deliver access to any cloud service at power on. SNAP Terminals offer seamless & automatic secure connectivity to SIMtone clouds from office LANs in addition to

any home and public internet and wireless access points. SNAP terminals are 100% stateless, non processing devices that never process, store or manipulate any data or user credential for any service. That's why they are called terminals. Even during use, they don't hold any information about the service, the user or her-his data, anywhere. Built using SIMtone's SNAP universal cloud client platform, they are designed to provide the full, native user experience created by each computing service hosted in

the cloud, such as high-quality MP3 audio and desktop video performance, as well as plug-and-play, native USB support which can be used, for example, to synchronize Apple iPods with PCs in the Cloud, as well as for other printing and storage devices. SIMple and inexpensive, SNAP Terminals require a minimal fraction of the power normally user by regular computers such as PCs and Thin Clients, to deliver users with full and secure access to their computing environment on demand from any LAN or internet access point, without requiring a computer.

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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.