


- Extend your existing SIP Phones to use with Microsoft Office Communications Server
- Reduce operating expenses by automatically provisioning selected SIP Phone Configuration Data
- See Presence of existing SIP Phones in Microsoft Office Communicator
- Make and receive Microsoft OCS calls from SIP Phones
- Use Active Directory for inbound and outbound call routing, caller name display for Caller ID

Supported phones:

- Cisco 7940/7960/7911/7906
- Polycom SoundPoint IP 301/550/650
- Aastra 6731i/6757i
- Analog phones through Tenor Gateway
- Linksys SPA942
- X-Lite Soft Phone
- Ascom DECT

(NET may support other phones on request)

With the growing popularity of Unified Communications, businesses looking to migrate to Microsoft Office Communications Server (OCS) are looking to extend the useful life of their existing SIP Phones. They need their SIP phones to work seamlessly with Microsoft Office Communications Server (OCS).

SmartSIP, an application built using Microsoft Unified Communications Managed API (UCMA), addresses this requirement.

ARCHITECTURE

The SmartSIP is implemented as a back to back user agent (B2BUA). This architecture allows for different implementations of SIP protocols to coexist. Therefore, as an example, Cisco implementation of SIP protocol can work with Microsoft's SIP implementation.

The SmartSIP core contains a SIP Proxy, a SIP Registrar, and a SIP Phone provisioning server. The architecture components can handle external communication to other network elements such as a PSTN gateway, internal communications such as registering SIP phones, and provides a

trusted network connection to the Microsoft OCS network using UCMA. The other components include a Trivial File Transfer Protocol (TFTP) where the phone configuration files are stored and a Web server for web based graphical user interface.

Using the pre-built configuration files, a large range of SIP devices like VOIP telephones and soft phones can be used with Microsoft OCS. The architecture allows for manual creation of configuration data for other SIP Phones.

FEATURES AND BENEFITS

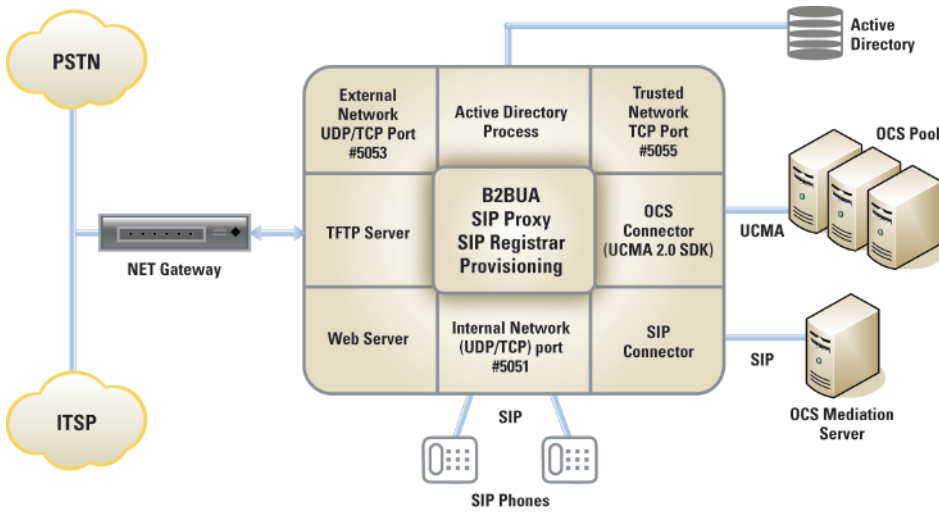
SIP Features

- SmartSIP supports UDP and TCP transport layers.

Voice Features

- Call Hold
- Call Waiting
- Call Forwarding – Busy, No answer, Unconditional
- Caller ID

SmartSIP Architecture



Plug And Play Provisioning

- Integrated TFTP server for automatic provisioning of SIP Phones configuration data
- Extensions are automatically assigned to phones using Active Directory integration

Management

- Web Server running HTTP and HTTPS protocol

Presence Awareness

- Presence awareness of SIP Phones and Analog phones is presented to Microsoft Office Communicator

HOST REQUIREMENTS

- SmartSIP can be deployed in one the following ways:
 - For small installations, the SmartSIP application can be shared with a Microsoft Mediation server
 - For medium size installations, the SmartSIP application can reside on a Tenor Hybrid gateway
 - For large installations, it is recommended to run SmartSIP application on a dedicated server with the minimum configuration - 64-bit Microsoft Server 2003 or 2008; Dual Core Processor, 3.0 GHz CPU, 4 GB RAM, 2X1 Gbps network adapter card

ORDERING INFORMATION

Table 1 lists the part numbers and description of the software modules needed for licensing the software.

Table 1: Server and end user Right-To-Use licenses

Part Number	Description
SS-SVR-0001	SmartSIP Server License
SS-UL-25EndPoints	RTU for 25 Endpoint pack
SS-UL-100EndPoints	RTU for 100 Endpoint pack
SS-UL-1KEndPoints	RTU for 1000 Endpoint pack
SVC-SS-50EndPoints	Yearly Maintenance for up to 50 endpoints
SVC-SS-PerEndPoint	Yearly Maintenance per end point

ABOUT NET

For nearly a quarter of a century, Network Equipment Technologies, Inc. (NASDAQ: NWK) has provided voice and data communications equipment for multi-service networks requiring high degrees of versatility, interoperability, security and performance. NET solutions are purpose-built for mixed-service, multi-protocol networks; bandwidth-sensitive site communications; high performance, security-sensitive transmissions; and converged communications.

WEBSITE: To contact us, place an order or get more information on NET solutions, visit our website at www.net.com or send an email to NET_SmartSIP@net.com.



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