ZyXEL

APS 1.0

Auto Provisioning Server for VoIP

Easy to Use, Plug and Play

Key Features

Efficient CPE management.

Flexible configuration updates for each end user.

Support PIN-code authentication.

Web-based management.

Fully integrated with ISP's existing CRM database.

Benefit

Complete End-to-End provisioning system

ZyXEL's Auto Provisioning Solution is specifically designed for ZyXEL VoIP CPE devices. Suitable for various deployment scales, ZyXEL's complete End-to-End Auto Provisioning solutions allow ISPs to set up their provisioning system with minimum hassle.

Lower service deployment cost

ZyXEL's Auto Provisioning Solution gives service providers greater control of their subscribers; as well as eliminating complicated CPE device configuration on the end users. Once installed, ZyXEL's intelligent VoIP devices are able to configure themselves and get ready to work without intervention. This allows the service providers to lower service deployment cost.

Ease of maintenance for future expansion

Service providers will be able to get more control, and can also easily update the settings on each CPE device. In addition, expanding the network service infrastructure is just as easy.

Central management

The centralized approach to management gives service providers a more systematic way of generating and managing different CPE profiles. CPE devices can always download the most updated files from the provisioning server when there is a change in at the central office (CO) side.

Specifications

ZyXEL's VoIP CPE Solution Conformed

- Web-based Management

- Provisioning format follow ZyXEL sptgen

- Supporting SOAP / Web Services-

- Data Encrypted with 3DES

- Detailed Maintenance Static Reports

- Remote Firmware Upgrading (provisioning of firmware version number)

- Access Control and Error Log

- Multi-Tiers and Modularized Architecture

- Provisioning Support TFTP/HTTP/HTTPS

- SSL 3.0 128bit Supported (implemented by system, and need to work with ZyXEL CPE which support https provisioning)

Administration:

- CPE Parameters Management: Network Layer Settings, DSL ATM layer Settings (For IAD), SIP Settings, Phone DSP Settings, and Specific Dial Plan Settings.

- Configuration Set Management, base on: Product Categories

- Per unit device, and per product type management – Add, Delete, Modify, Query

- Data Protection – Database Backup, Restore, Scheduling.

- Database management- Import, Export

System Information:

- Current Registered users

- Access Log / Monitoring

- Management and Usage Reports for Server's Loading Evaluation.

System Integration: (Implemented by system design)

- Security Control on Connection / Data Access / Transferring

- Programming Interface to Access Subscriber Information (SOAP / Web Services) – Add, Delete, Query, Modify, Sync

- Proactive Sync Process – Policy Definition, Scheduling, Single / Double Way

System Side: (Implemented by system design)

- High Availability for Database Server

- Optimized for Capacity and Performance

- Self Maintenance and Ask-for-Help Alarm Mechanisms

Special Requirement of Specific Project

- Authentication Code Management (PIN code) – Auto Generating, Modification- (Special project)
- Update Flag / Validation Code Control - Query, Add, Delete, Modify, Schedule- (Special design)