ANTlabs

ASP CLOUD + vSG

ASP Cloud & vSG allow service providers to deliver fast and secure **user-aware services** to users in your network across multiple locations

ANTlabs ASP CLOUD SOLUTION

ANTlabs suite of gateway and cloud solutions has always focused on delivering user-aware services. The fifth-generation suite provides expanding support to ANTlabs gateways (including the virtualized vSG) and other vendor's network devices like routers, gateways and wireless controllers to provide a uniform, consistent experience to the end-users. For IT Management, this means better control and visibility over more aspects of the network service and having the flexibility to customize the user experience according to local conditions.

STANDARD FEATURES

→ Centralized Service Management Platform

- Integration to different network equipment
- WYSIWYG Portal Management / Customizable portal templates
- Multi-language support
- Providing consistent delivery of services and experience
- Pooling & sharing of licenses & modules across entire organization
- Policy Control (vSG/SG5 exclusive)
  - Service plans
  - Advanced bandwidth management
  - Auto-logout of inactive users, forced logout of users
  - Departed device detection and logout
  - Bandwidth rate limit: device / account
  - HTTP / HTTPS / IP walled garden
  - Email login reminder
  - Location / VLAN-based content delivery
  - Unique login pages for separate locations
  - Admin-assisted login
  - Easy account generation with account printer
- Zero-touch provisioning
- Cloud management

→ User-Aware Service Delivery

- BYOC (Bring your own content)
  - Personal Area Network
  - PMS Integration
  - Guaranteed streaming bandwidth
- Differentiated High Speed Internet Access
  - Guest Aware bandwidth optimization through advanced QoS
  - VIP recognition
- Malicious Content Filtering
  - Web filtering
- Seamless Re-login
  - Quick re-association to network
- Roaming Service
  - No login across sites
- Zero-configuration on end-user device

→ Gateways/APs Supported

- SG5 Express / SG5 Pro
- vSG Express / Pro
- Cloud Gateway supported AP & other gateway models:
  - > Ruckus
  - > Aruba
  - > Cisco Meraki
  - > Rujie
  - > Ubiquiti
  - > MikroTik

→ AAA (Authentication)

- Complimentary
- Global roaming
- 802.1x / Hotspot 2.0
- User form authentication
- Social WiFi
  - Facebook
  - Twitter
  - Google
  - Instagram
  - Line
  - WeChat
  - LinkedIn
  - Office 365
- QR code & boarding pass PNR integration*
- RADIUS / WISPr

→ Security and Compliance

- Lawful Intercept
- Terms and Conditions
- General Data Protection Regulation (GDPR) compliant
- User data privacy protection
- Anti-SPAM / Anti-DOS (vSG/SG5)
- Stateful Firewall (vSG/SG5)
- Signature-based web filtering / Category blocking

→ Reliability

- High Availability
- Backup in the Cloud
- Faster service restoration time through seamless transfer of license across equipment

→ Engagement

- Time based banners / Promos
- Notification engine for sending alerts and messages**

→ WiFi Monetization

- WiFi advertising
- Upsell services with different payment methods
- Credit card authentication & billing - WorldPay. Authorize.net, Payflow Pro, Payflow Link

→ User Identification & onboarding

- Multiple login methods (i.e., Complimentary, Pre-paid, etc.)
- Social media
- Radius / LDAP support
- Property Management System (PMS)
- Registration form

→ Network and User Visibility

- Reports
  - Transactions
  - Sessions
  - Authentication
- User Analytics
  - Usage
  - Device
  - Demographics
  - Interests
- Summary
  - Revenue
  - Authentication
  - License
- Graphs / Trends
  - System
  - Network
  - Login sessions

Deliver fast, secure, user-aware services to your guests with ASP Cloud + vSG

* Inquire for more info
** 2022 Roadmap

SPECIFICATIONS / MODULES / ADD-ONS

Recommended VM specifications serve as references for computing resources requirement to host vSG only.

vSG Express VM Requirements	500 Users / 2 WAN	More than 2K Users / 2 WAN (Max 5K Users)
vCPU**	4	4
Memory (GB)**	4*	8
Network Interfaces (vNIC)	5	5
Image Size (GB)	440	440
Storage IOPs	800	800

vSG Pro VM Requirements	2K Users / 4 WAN	10K Users / 8 WAN	More than 10K Users / 8 WAN (Max 30K Users)
vCPU**	8*	23*	32
Memory (GB)**	8*	16	16
Network Interfaces (vNIC)	7	7	7
Image Size (GB)	640	640	640
Storage IOPs	800	1000	1000

 * VM administrator will need to manually change the VM setting to the desired value after importing the image.

**We recommend vSG run in a host where CPU and RAM is dedicated to the vSG VM. We do not recommend CPU overcommit nor memory overcommit.

SG 5 & vSG MODULES / SERVICES / ASP PLATFORM

SG 5 & vSG Modules - Express/Pro	Services	Platform
Payment Property Management System Volume Control Radius Support Lawful Intercept Advanced QoS Multi-WAN Event Manager PAN / Casting AQoS Plus Application Traffic Shaping	Web Filtering • Signature-based Web Filtering • Malicious Content Filtering HSIA-as-a-Service • Fast deployment of WiFi hotspots across multiple locations • Drag-and-drop portal design & management • WiFi monetization	Edge Connector • ANTlabs Gateways Edge Connector - Others • ANTlabs Cloud Gateway • Other AP brands* • Other gateway brands* Global Accounts Cloud Backups *Enquire to see a separate list of latest supported brands and other equipment

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