

## RAP Clientless SSL Web Portal Specification

### 1、 Brief

- Map internal application links and transfer their protocols
- No installation on client machine
- Data encryption (https and others)
- True clientless Web access for intranet Web servers
- Clientless client/server apps access
- Clientless remote desktop and data compression
- A variety of additional authentications

### 2、 Authentications

- Local DB authentication: load from txt file and backup to txt file
- USB dongle certificate
- Both one way and two way auth with CRL
- Mobile phone authentication: model, gateway and central service modes
- Microsoft Active Directory: both dynamic auth and preload modes
- LDAP: both dynamic auth and preload modes
- RSA dynamic digital token
- RADIUS authentication
- Hardware bounded
- Load, create and manage the server certificate
- Provides SSO interface

### 3、 Adaptation for variety type of complex Web based applications

### 4、 Client/Server Applications (Java/Layer3)

- Any TCP based apps (single port, multi-port and dynamic port)
- Both passive and active FTP
- Plugs Java Applets, ActiveX in control

### 5、 Supports a variety of applications

- Supports SSH, Telnet and Ftp
- Supports MS Terminal Service
- Supports Email; include foxmail, outlook local receive email

### 6、 Support Remote Desktop

- Remote clientless access internal PC using Microsoft Terminal Service
- Especially features RDP Service mode
- Remote access desktop in real time
- Support Windows 98/2000/XP/2003, and Linux OS

### 7、 Tunneling (On demand)

- Supports IP based applications
- No specific port opened
- Support ActiveX applications

### 8、 Security protection for network and appliance

- Isolates and manages the tunneling

### 10、 Authorization

- Target network
- Target URL
- Groups and Users
- Service and port control, authorized connections

### 11、 Internal servers diagnose:

- diagnoses the internal application server status using ping, telnet, trace route and TCP dump

### 12、 Management

- Based on WEB BASED
- Certificate (server, users)
- Dynamic Domain Name System
- Remote upgrade
- Interface customize
- NAT and router enable

### 13、 Monitoring and Logs

- USER/GROUP
- Source IP address and port
- destination IP address and port
- Supports logsys
- HTML format
- Downloadable log files

### 14、 Usability

- Support browsers both IE and Firefox
- Central database

<ul style="list-style-type: none"> <li>-Web based: HTTP/HTTPS, DHTML/HTML, variety Script languages, Cookies and header translation</li> <li>-Internal absolutely IP address translation and internal servers call each other</li> <li>-Web file sharing. SMB</li> <li>-Web based mail</li> <li>-Original authentication systems on a variety of Web based applications, such as NTLM</li> <li>-Supports Java Applets, JSP in the Web based applications</li> </ul>	<p>connections</p> <ul style="list-style-type: none"> <li>-Hides the internal DNS space</li> <li>-URLs can be aliased by mane</li> <li>-Non physical connection directly</li> <li>-Two way SSL blocks illegal connection traffic</li> <li>-TCP port management</li> <li>-Internal IP hidden</li> </ul> <p><b>9、 Encryption</b></p> <ul style="list-style-type: none"> <li>-Session key lifetime configurable by administrator</li> <li>-DES, 3DES</li> <li>-Hashes: Md5</li> </ul>	<ul style="list-style-type: none"> <li>-HA and clustering</li> </ul> <p><b>15、 Documents</b></p> <ul style="list-style-type: none"> <li>-On line when system is running</li> </ul> <p><b>16、 Hardware</b></p> <ul style="list-style-type: none"> <li>-1UBox</li> <li>-LX WX H = 430 X 320 X 45 (Unit: mm)</li> </ul> <p><b>17、 Network Interface</b></p> <ul style="list-style-type: none"> <li>-2~3 10/100M or Gig Ethernet</li> </ul>
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