MOBILE SECURITY, SECURE ACCESS AND BYOD AS A SERVICE

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ALWAYS ON / ALWAYS MOBILE LIFE

Proliferation of Devices, Applications and Content
BYOD DEFINED

Today's business environment requires coordinated access

- Corporate Owned Devices
- Employee Owned Devices (BYOD)
- Guest Devices
B2B mobile market is growing
and control of mobile device is a key initiative for IT managers
JUNIPER’S MOBILE SECURITY STRATEGY

Device
- Mobile Device Security
  - Threat Security
  - Secure Connectivity
  - Device Management
  - App and Content Control

Performance Drivers
- Next Generation Platform
- Mobile Infrastructure
- Service Consolidation and Scale

Secure Mobile Infrastructure
- Scale Throughput and Sessions
- Signaling and Control Plane Security

Data Center Security
- Virtual Security
- Data Center Fabric Integration
- Scale

Application
- Application Security
  - AppSecure Strategy
  - User Mapping to Application
  - Mobile App Control
JUNOS PULSE VALUE PROPOSITION
END-TO-END SECURITY SOLUTION

4 PULSE PILLARS

- Collaboration
- QoE / Optimization
- Security
- Connectivity
- Operating System & Platform

Personalization

Lots of Pulse Apps

- Collaboration
- App Accel
- WiFi Offload
- SSL
- MSS
- UAC

Secure multimedia collaboration – live & recorded voice, video, chat and data sharing

Enhanced Quality of Experience of end user application/data/video/voice experience, and lowered infrastructure cost for delivering content

Comprehensive security and policy enforcement – for end user, device, enterprise & SP infrastructure

L2-L7 connectivity – to the “Internet,” corporate network, partner’s networks, etc. Wired or Wireless – with ease for end user and strong policy (least cost, etc.)
JUNOS PULSE – SSL VPN AND MSS COMPONENTS

Junos Pulse Clients

Web-Based Management Console Access

Juniper Management Gateway
Cloud service offered as SaaS

Bad Site
corporate4.acmegizmo.com

Juniper SA SSL VPN

Internet

App Stores

mss.junospulse.juniper.net

Corporate Network

Internet

Juniper Pulse Clients
JUNOS PULSE – SSL VPN AND MSS COMPONENTS

Juniper MAG Appliance
SSL VPN CPE

Juniper Mobile Security Suite
SaaS

MSP Data Center

Virtual SA

MAG License Server

“Services”

Internet

Junos Pulse Clients

Corporate Network

Public/Private Cloud

MPLS / IPSEC /ETC

Service insertion point
1. User downloads Junos Pulse Client from App Store

2. JPMSS pushes:
   - VPN Profile
   - WiFi Profile
   - SCEP Profile

3. JPMSS delivers
   - 24/7 security via AV & antimalware
   - MDM such as password mgmt

4. The device initiates a tunnel to the MAG Series Junos Pulse Gateway

5. Secure Access Service runs a HostCheck on the device

6. User matched to corporate role

7. User has appropriate access to his role

8. Jailbroken/Rooted? Compliant? 

   - Compliant

   - Jailbroken/Rooted

   - Not Compliant

   - Compliant

   - Not Compliant

MAG Series Junos Pulse Gateway running Secure Access Service SSL VPN

Active Directory/LDAP

Data

Finance

Patch Remediation

Video

Apps

Corporate Data Center
EMPLOYEES ON CORPORATE LIABLE DEVICE
APPLICATION RESTRICTION AND COORDINATED THREAT CONTROL

10 User requests data from application

12 Client issues an attack of some kind

9 Session is published to IF-MAP

11 SRX get the User/Role/IP information. Applies AppSecure policies

Mobile User

16 User/device is Quarantined or Disconnected

15 SA gets the event and takes Action or publish event to IF-MAP

14 SRX IPS detects the attack and issues a Sensor Event to UAC

Active Directory /LDAP

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Apps

Corporate Data Center

MAG Series Junos Pulse Gateway running both Secure Access Service Access Control Service
Innovative, cloud-based security as a service
- Flexible SSL service with plans to extend to mobile security SaaS offering
- Orange Business Services offers the security and connectivity services across 177 countries
- Thousands of enterprise customers and mobile data users

Key Market Decision Factors
- Proliferation of Smartphones and devices
- Remote and Mobile devices – weakest link open to targeted attacks
- Multiple type of devices, users and networks – need to be protected

Key Product Decision Factors
- Simplicity, single service with auto provisioning
- Scalability and Flexibility
- Cost-efficient, subscription based
- Best in class security extendible to mobile security
REAL-TIME CHANGE MANAGEMENT

a service dashboard including key service indicators

the capability to manage published applications in real time

a number of subscribed users modifiable dynamically
THE VALUE PROPOSITION

• A comprehensive “IT opening” cloud solution, proposed in SaaS model
  - capable of connecting every type of remote user to your internal IT system
    - using every type of device (laptop, PDA, etc.)
    - with every type of connection (DSL, BE v3, etc.)
    - and with every profile (corporate user, third party, etc.)

• A scalable offer matching customer requirements
  - automated real-time changes
  - subscription modifiable on a monthly basis (SaaS model)

The application portal (developed by a third-party)
  - make internal applications available to employees, partners, etc. in a dynamic portal
  - most applications are supported (Webmail, mobile mail, SharePoint, file share, Web apps)
  - desktop sharing and remote control tool also available
  - fully integrated with your authentication solution (AD, LDAP, Radius)
DEMO
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