### Cisco Enterprise WAN Solutions

**By 2014**
- 70 million virtual desktops will be connected.

**More than 50% of all workloads will be processed in the cloud.**

**91% of Internet traffic will be video.**

**80% of organizations will allow work applications on personal devices.**

**The security products and services market will grow to $71B.**

---

<table>
<thead>
<tr>
<th>VDI</th>
<th>Cloud</th>
<th>Video</th>
<th>Mobile Devices</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Challenges</strong></td>
<td><strong>- Virtual desktop infrastructure (VDI) end-user experience</strong></td>
<td><strong>- Cloud application visibility and control</strong></td>
<td><strong>- Slow connections and poor application experience</strong></td>
<td><strong>- Secure, flexible access from any location on any device</strong></td>
</tr>
<tr>
<td></td>
<td><strong>- WAN bandwidth</strong></td>
<td><strong>- Cloud end-user experience</strong></td>
<td></td>
<td><strong>- Consistent policy and access control</strong></td>
</tr>
</tbody>
</table>

**Cisco Enterprise WAN Solution**

- **WAN optimization**: The networking industry’s only Citrix-ready and jointly supported solutions, offered as standalone appliances (Cisco WAAS Appliances and Virtual WAAS) and integrated services on Cisco ISR G2 (Cisco WAAS Express or WAAS Services-Ready Engine [SRE] Module).
- **Native Citrix XenDesktop and XenApp acceleration**: Improves response times by 70%, supports 2x more VDI users, and provides up to a 65% reduction in bandwidth.
- **Application Visibility and Control (AVC)** on Cisco ISR G2 and Cisco ASR 1000: Visibility and fine-tuned prioritization of Citrix virtual desktop traffic.
- **Cisco ASR 1000**: Fielded VDI delivery with high-performance routing (40 Gbps+).

**Cisco ASR 1000**: High-performance, stateful, zone-based firewalling with 99.9999% uptime.

**Cisco ISR G2**: Integrated wireless for optimal cloud-based application resources.

**Cisco WebEx availability features on Cisco ISR G2**: Cisco Unified Survivable Remote Site Telephony (SRT) for WAN outages and teleconferencing features to reduce video bandwidth up to 30% with local video processing.

**Cisco WebEx Web Security with Cisco ScanSafe**: Scalable, cloud-based web security with 99.9999% uptime.

**Cisco UCS Express SRE on Cisco ISR G2**: Application survivability and hosted applications (such as Active Directory) for unexpected WAN outages.

**AIC on Cisco ISR G2 and Cisco ASR 1000**: Visibility, performance monitoring, and prioritization for cloud services.

**Network Provisioning System (NPS) on Cisco ASR 1000**: Network intelligence for optimal cloud-based application resources.

**WAN optimization**: Accelerated application delivery and reduced bandwidth from public cloud-hosted software-as-a-service (SaaS) and collaboration applications.

**Cloud application visibility and control**: Effect of video load on the network.

**Media survivability and troubleshooting**: Slow connections and poor application experience.

**Video**

- **Effect of video load on the network**: More than 50% of all workloads will be processed in the cloud.
- **Media survivability and troubleshooting**: Slow connections and poor application experience.

**Mobile Devices**

- **Security**
  - **Authentication, confidentiality, and data integrity**
  - **Threat prevention**

**Cisco ASR 1000 Series Aggregation Services Routers**

- **Network security**: Threat prevention.
- **Authentication, confidentiality, and data integrity**
- **Threat prevention**

---