

## VPN Phase 2 Business Requirements

#	Requirement Description	Verification Criteria	Want/ Need
1	CLIENT FLEXIBILITY & USABILITY User-friendly client installation	Ability to customize the installation package for OSU	Want
2	CLIENT FLEXIBILITY & USABILITY User-friendly client interface	<ul style="list-style-type: none"> <li>a. Client is location-agnostic; no reconfiguration required for laptops that travel between on &amp; off campus</li> <li>b. Single switch that's easy to find for turning the client on/off</li> <li>c. Ability for HelpDesk staff to monitor the number of concurrent connections</li> </ul>	<ul style="list-style-type: none"> <li>a. Need</li> <li>b. Need</li> <li>c. Want</li> </ul>
3	CLIENT FLEXIBILITY & USABILITY Ability to connect prior to system login to allow for normal startup procedures	N/A	Want
4	CLIENT FLEXIBILITY & USABILITY Clients available for current Windows and Mac operating systems	N/A	Need
5	CLIENT FLEXIBILITY & USABILITY Viable solution for branch campuses		Need
6	CLIENT FLEXIBILITY & USABILITY Compatible with a wide variety of ISPs	<ul style="list-style-type: none"> <li>a. Compatible with Chickasaw, Cox, SBC</li> <li>b. Compatible with AOL, Vroom, ProValue, DirecWay(?)</li> </ul>	<ul style="list-style-type: none"> <li>a. Need</li> <li>b. Want</li> </ul>
7	SECURITY Standards-based IPsec (Internet Protocol Security Protocol)	Stronger encryption algorithms and more comprehensive authentication	Want
8	SECURITY MANAGEMENT Compatible with currently distributed anti-virus software for students, faculty & staff	Compatible with university-distributed McAfee antivirus software for employees & students	Need
9	SECURITY MANAGEMENT & POLICY ADMINISTRATION Policy enforcement of anti-virus	Don't allow user to connect to campus if anti-virus isn't present	Want
10	SECURITY MANAGEMENT & POLICY ADMINISTRATION Ability to enforce certain firewall or IPS rules after traffic is encrypted	Ability to insert any desired rules (ex: virus port blocking, blocking access to highly restricted IP addresses, allow exceptions)	Need
11	SECURITY MANAGEMENT & POLICY ADMINISTRATION Ability to customize user termination subnet or security policies based on user roles	Roles based on LDAP group attributes	Want
12	RELIABILITY Backend VPN equipment must facilitate a redundant	Ideally auto-failover or active-active redundancy	Need

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	configuration		
13	RELIABILITY Students using the VPN solution would need to terminate on a different device than employees	N/A	Want
14	SCALABILITY Number of concurrent connections must be easily scalable to accommodate increasing demand	a. Support minimum of 500 concurrent connections b. Number of concurrent connections easily scalable to growing demand	a. Need b. Need
15	ARCHITECTURE Would prefer a hardware-based solution		Want
15	BUDGET Cost-effective solution		Need

**Requirement Description:** Clearly stated description of the requirement that is verifiable and attainable. Requirements answer the following questions about the unique product or service we're producing:

**Verification Criteria:** Criteria for determining that the requirement has been met. Examples include testing (need to indicate what type of testing), demonstration, analysis, and inspection. Include details for how to test, demonstrate, analyze, or inspect.