



Internet-Based Testing Hardware and Software Requirements

AP Chinese Language and Culture (Updated December 13, 2006)

Hardware-Software Requirements	
	Workstation Requirements
1	Operating System: Win 2000 or XP
2	Minimum Processor: Pentium IV 1Ghz
3	Browser: Microsoft Internet Explorer 5.X through 6.X
4	Sound Card: 44.1 KHz (or better) sample rate
5	Minimum RAM: 256MB
6	Free Disk Space: 250MB
7	CD-ROM Drive
8	Minimum monitor size of 17 inches to support resolution set at 1024 X 768, 65,536 colors. If possible, all the same size monitors at a center.
9	Headset with microphone (Recommended models include Koss SB45 and Plantronics Audio 90) <ul style="list-style-type: none"> • Headset with integrated electret microphone (key requirement) • Headset must have headset microphone and earphone plugs that are compatible with the workstation sound card • Headset earphones must completely cover the ears • Headset microphone must record in mono • Headset microphone must filter out ambient noise • At least 2 meters of cord is recommended • Headset may support stereo sound • No external volume controls • No mute switch • Note: The following headsets cannot be used: Sennheiser models PC150 and PC160, Altec Lansing models AHS502 and AHS515, Creative HS600, Logitech USB250, and Koss SB40.
10	<u>Internet Connectivity: with local cache proxy (an iBT application) Cache proxy requirements listed below</u> <ul style="list-style-type: none"> - During testing, minimum 15 kbps (kilobits per second) throughput at each workstation - LAN connection to cache proxy machine: 100Mbps is recommended
11	Internet ports to be open: TCP 80, 443 (outbound)

Hardware-Software Requirements – Caching Proxy Model	
Purpose: To reduce bandwidth requirements at a test site.	
Cache Proxy Requirements	
1	Operating System: Win 2000 or XP
2	Processor: Pentium IV 1 Ghz - To support 10-20 Workstations, 21+ workstations: to be determined. Switched network recommended over HUB
3	Browser: Microsoft Internet Explorer 5.X through 6.X
4	Minimum RAM: 256MB
5	Free Disk Space: 250MB
6	LAN Speed: 100Mbps is recommended
7	Internet ports to be remain open: TCP 80, 443 (outbound)