



The following table describes what data being requested and what protocols being used.

X86 client

Action	Protocol	Size of Data	Transport Control?	Observable?	Issues	Comments
Client comes up and look for IP address and something to boot	DHCP	Less than 1KB	No	Limited. Failures can be documented	DHCP server controls what client can get. So many thing can go wrong	
Get the boot program (pxegrub)	TFTP	135 KB	No	Limited.	The location of the boot program is controlled by DHCP	
Get the menu.lst file	TFTP	Less than 2KB	No	Limited	The file name "menu.lst" has to be the one the client is looking for.	
Boot the client Get the boot_archive	TFTP	57 MB (compressed)	No	Limited	The boot_archive is fairly big.	Scalability might be a issue with TFTP with simultaneous requests
Get the install programs and support tools	HTTP	79 MB (compressed)	Yes. We can use any protocol	Yes. We can enhance the client tool to provide more information		Solaris.zlib, solarismisc.zlib
AI manifests	HTTP	Less than 10 KB	Yes. We can use any protocol	Yes.	The server side decision making of which manifest is selected needs to be more transparent	

SPARC client

Action	Protocol		Transport Control?	Observable?	Issues	Comments
Client comes up and look for IP address and something to boot	DHCP	Less than 1KB	No	Limited. Failures can be documented	DHCP server controls what client can get. So many thing can go wrong	All the SPARC clients first contacts wanboot.cgi to get the wanboot.conf from /etc/netboot directory
Get the wanboot.conf file	HTTP	Less than 1KB	May be	Limited.		If more protocols supported in OBP
Get the wanboot program	HTTP	1.1 MB	May be	Limited.	It depends on the configuration setup	The path to wanboot comes from wanboot.conf
Boot the client Get the boot_archive	HTTP	170 MB	May be	Limited	The boot_archive is fairly big.	
Get the install programs and support tools	HTTP	83 MB	Yes. We can use any protocol	Yes. We can enhance the client tool to provide more information		Solaris.zlib, solarismisc.zlib
AI manifests	HTTP	Less than 10 KB	Yes. We can use any protocol	Yes.	The server side decision making of which manifest is selected needs to be more transparent	