

I recently attended a consultant training course in Madison this past summer. There, I first heard that routers have default behaviors and that these spontaneous, unsolicited packages would be directed to the first computer plugged in.

My router is set to direct these “unowned” packages. Firstly the router is told to assign the router the same IP address each time. Secondly the router is told to send the relevant packages to this machine.

DHCP RESERVATIONS LIST					
Enable	Computer Name	MAC Address	IP Address		
<input checked="" type="checkbox"/>	hp-ubuntu	00:1a:6b:4f:6f:34	192.168.0.192		

NUMBER OF DYNAMIC DHCP CLIENTS:5

Note the MAC Address: Has nothing to do with hamburgers or apples.

Every network device ever produces has a unique Media Access Control number etched into its circuitry. Your laptop would have two: one for the ethernet card and one for the wireless card.

Collectively IP numbers and ports are just bits reserved in the format of a TCP packet. The IP number takes you to the machine, the port takes you to a process. You do not need the FTP ports because you do not have ftp installed. However that could be another project: creating your own cloud.

Ftp is really handy: students like having online access to all course documents; with ftp I can easily upload them from work.

VIRTUAL SERVER

The Virtual Server option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

24--VIRTUAL SERVERS LIST

			Port	Traffic Type	
<input checked="" type="checkbox"/>	Name HTTP	<< Application Name	Public 80	Protocol TCP	Schedule Always
	IP Address 192.168.0.192	<< Computer Name	Private 80	6	Inbound Filter Allow All
<input checked="" type="checkbox"/>	Name FTP	<< Application Name	Public 20	Protocol Both	Schedule Always
	IP Address 192.168.0.192	<< Computer Name	Private 20	257	Inbound Filter Allow All
<input checked="" type="checkbox"/>	Name FTP@	<< Application Name	Public 21	Protocol TCP	Schedule Always
	IP Address 192.168.0.192	<< Computer Name	Private 21	6	Inbound Filter Allow All