

## On the 3Com NBX 100, 3ComV3000, and 3ComV5000, what is "IP on-the-Fly", and why do I need it?

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IP on-the Fly is a term used by 3Com to signify the ability of assigning IP addresses to a group of devices, without precommitting them in the dial plan. Standard IP or IP Serve, requires that every device has an IP address, whether they are Lan devices, that are within the local power of the NCP, or not. In other words, all NBX devices become permanently labeled, with an IP address, in this configuration.. This includes the phones, cards ports; literally all connectivity to the system. IP on-the-fly uses a different set of algorithms to more efficiently manage the components. It does not require that each point have an IP address, There is a preconfigured pool of addresses available, in the NCP, and all the phones or line ports are able to dynamically allocate the use of a pool IP address. After the completion of the task, the number reverts to the pool. The primary use of IP on-the-fly, is in multiple location installations, with Virtual Tie Lines, or VTL,s. In this configuration, the multiple boxes need the ability to assign the addresses to fully distribute the call groups and devices. This is primarily due to the fact that there are two, or more NCP's, not one.