

## DHCP Setup – On Campus Example

Scope for Subnet 10.242.18.0/23

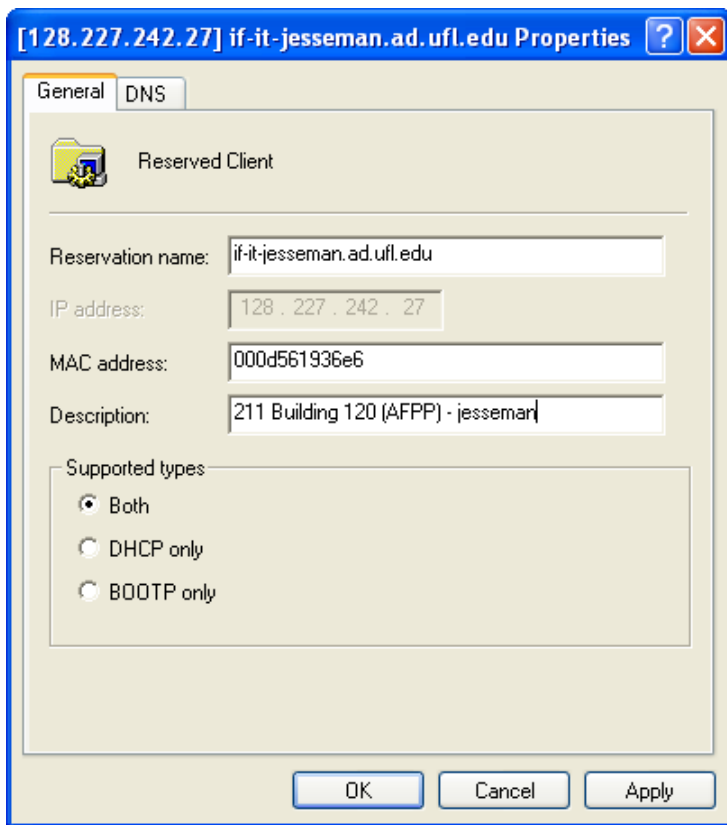
The screenshot shows the 'Scope [10.250.18.0] FacOps Private Properties' dialog box. The 'General' tab is selected. The 'Scope' folder icon is visible. The 'Scope name' is 'FacOps Private'. The 'Start IP address' is '10 . 250 . 18 . 1' and the 'End IP address' is '10 . 250 . 19 . 254'. The 'Subnet mask' is '255 . 255 . 254 . 0' with a 'Length' of '23'. Under 'Lease duration for DHCP clients', the 'Limited to' radio button is selected, with 'Days' set to '0', 'Hours' set to '3', and 'Minutes' set to '0'. The 'Unlimited' radio button is unselected. The 'Description' is 'Mowry Router'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

10.242.18.1-50	Excluded
10.242.18.51-254	DHCP
10.242.18.255-10.242.19.1	Excluded
10.242.19.2-254	DHCP

Address Pool		
Start IP Address	End IP Address	Description
10.250.18.1	10.250.19.254	Address range for distribution
10.250.18.1	10.250.18.50	IP Addresses excluded from distribution
10.250.18.255	10.250.19.1	IP Addresses excluded from distribution

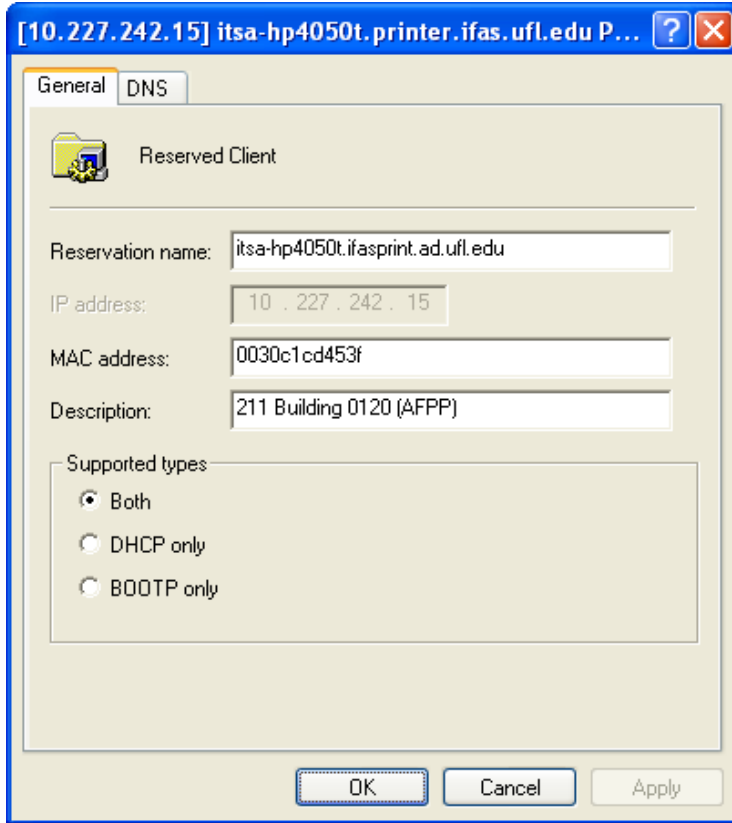
Router	10.242.18.1
Reserved	10.242.18.2 - 10.242.18.9
Switches	10.242.18.10 ↑
Servers	10.242.18.50 ↓
Hosts	10.242.18.51 ↑
Printers	10.242.19.254 ↓

Computer Reservation – Current Lease Address - 10.x.x.51 ↑



Reservation Name	Computer Name + .ad.ufl.edu
Description	Room Number + Building Number + (Building Code) + GatorLink of User or IT Contact

Printer Reservation – Next Available from 10.x.x.254 ↓



Printer Name            Manufacture Abbreviation + Model  
 Share Name            OU + Printer Name  
 Reservation Name     Printer Share Name + .ifasprint.ad.ufl.edu  
 Description            Room Number + Building Number + (Building Code)

Configured Options

Option Name	Vendor	Value
012 Host Name	Standard	itsa-hp4050t
015 DNS Domain Name	Standard	ifasprint.ad.ufl.edu
003 Router	Standard	10.227.242.1
006 DNS Servers	Standard	128.227.0.242, 128.227.0.243
044 WINS/NBNS Servers	Standard	128.227.0.247, 128.227.0.248

Host Name     Printer Share Name  
 DNS Name     ifasprint.ad.ufl.edu

## Polycom Reservation

The screenshot shows a Windows DHCP reservation configuration window titled "[128.227.224.34] itadpoly1.ifasvideo.ad.ufl.edu Pro...". The window has two tabs: "General" and "DNS", with "DNS" selected. The "Reserved Client" section contains the following fields:

- Reservation name: itadpoly1.ifasvideo.ad.ufl.edu
- IP address: 128 . 227 . 224 . 34
- MAC address: 00e0db06af29
- Description: 6 Building 00087 (HECO) - dhcromer

The "Supported types" section has three radio buttons:

- Both
- DHCP only
- BOOTP only

At the bottom, there are three buttons: "OK", "Cancel", and "Apply".

Reservation Name OU + poly + Number + .ifasvideo.ad.ufl.edu  
Description Room Number + Building Number + (Building Code) + GatorLink of User or IT Contact

## Configured Options

Option Name	Vendor	Value
012 Host Name	Standard	itadpoly1
015 DNS Domain Name	Standard	ifasvideo.ad.ufl.edu
003 Router	Standard	128.227.224.33
006 DNS Servers	Standard	128.227.0.242, 128.227.0.243
044 WINS/NBNS Servers	Standard	128.227.0.247, 128.227.0.248
060 PXEClient	Standard	PXEClient

Host Name OU + poly + Number  
DNS Name ifasvideo.ad.ufl.edu