



Georgia Tech IPv6 Addressing Scheme

January 2011



Georgia Institute
of **Technology**[®]

Current Allocations (IPv4)

Three Class B's

- 128.61.0.0
- 130.207.0.0
- 143.215.0.0

Manage IP assignments with custom

Book Of Knowledge v 3.11 for Workgroups(bok.js 1.7b)

[My Bookmarks](#) [Building Index](#) [VLAN Lookup](#) [VLAN Index](#) [Tools](#) [Games](#) [Preferences](#) [DVLAN](#) [Gateway Blocking](#)

[Home](#) -> [VLAN Index](#)

VLAN Index

[Create VLAN](#)

[\[1-1024\]](#) [\[1025-2048\]](#) [\[2049-3072\]](#) [\[3073-4095\]](#) [\[All\]](#)

#	Name	Network	Mask	Broadcast	Description	
Edit 0		130.207.215.0	/ 27	130.207.215.31	GTRI VPN static to 130.207.213.10 [behind GTRI-fw]	
Edit 0		130.207.215.32	/ 27	130.207.215.63	GTRI VPN static to 130.207.213.10 [behind GTRI-fw]	
Edit 0		130.207.215.224	/ 27	130.207.215.255	GTRI VPN static to 130.207.213.10 [behind GTRI-fw]	
Edit 1					Do not assign	Hosts Locations Contacts
Edit 2	GT-CC-ccadmin	130.207.2.0	/ 24	130.207.2.255	CoC	Hosts Locations Contacts
Edit 3	GT-CC-user	130.207.3.0	/ 24	130.207.3.255	CoC	Hosts Locations Contacts
Edit 4	GT-CC-ai	130.207.4.0	/ 24	130.207.4.255	CoC	Hosts Locations Contacts
Edit 5	GT-CC-sys	130.207.5.0	/ 24	130.207.5.255	CoC	Hosts Locations Contacts
Edit 6	GT-CC-os	130.207.6.0	/ 24	130.207.6.255	CoC	Hosts Locations Contacts
Edit 7	GT-CC-cc	130.207.7.0	/ 24	130.207.7.255	CoC	Hosts Locations Contacts
Edit 8	GT-CC-telecom	130.207.8.0	/ 24	130.207.8.255	CoC	Hosts Locations Contacts
Edit 9	GT-CC-ccfdi	130.207.9.0	/ 24	130.207.9.255	CoC	Hosts Locations Contacts
Edit 10	GT-CC-nt3	130.207.10.0	/ 24	130.207.10.255	CoC	Hosts Locations Contacts
Edit 11	GT-CC-nt2	130.207.11.0	/ 24	130.207.11.255	CoC	Hosts Locations Contacts
Edit 12	GT-CC-class	130.207.12.0	/ 24	130.207.12.255	CoC	Hosts Locations Contacts
Edit 13	GT-CC-isc	130.207.13.0	/ 24	130.207.13.255	CoC	Hosts Locations Contacts
Edit 14	GT-CC-prt	130.207.14.0	/ 24	130.207.14.255	CoC	Hosts Locations Contacts
Edit 15	GT-CC-nt1	130.207.15.0	/ 24	130.207.15.255	CoC	Hosts Locations Contacts
Edit 16	GT-CC-infsec	130.207.16.0	/ 24	130.207.16.255	CoC	Hosts Locations Contacts

Current Allocations (IPv6)

Initial Allocation from Internet-2 space

2001:0468:0300::/40

- Divided into /48's for each SoX participant**
- GaTech was assigned 2001:0468:0311::/48**

New GaTech Direct Allocation (January 2007)

2610:0148::/32

Note: SoX/SLR Allocation (February 2009)

2607:f7b8::/32 (divided into /40's)

Manage Address Space (IPv6)

We use a scheme to map IPv4 network to corresponding IPv6 network

[Home](#) -> [VLAN Index](#) -> [Tools](#) -> [V4 to V6](#)

V4 to V6 Conversion

IP v4 subnet

IP v4 Subnet: 128.61.5.0
IP v6 Subnet: 2610:0148:1f00:0500::/64

128.61 ---- 00

130.207 ---- 01

143.215 ---- 02

.5 ---- 05

.211 ---- d3

.0 ---- 00

.64 ---- 40

.128 ---- 80