

# IPv4 Address Fractal Map – 1/1/2000

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Reserved	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
Reserved	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	APnic	Reserved	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
Reserved	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	Reserved	ARIN	Reserved	Reserved	APnic	Reserved	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
Reserved	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lilly	Reserved	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Loopback	Various	Various	Various	Various	Reserved	Reserved	Reserved	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

Fractal Map layout by Randall Munroe  
Time sequence by Tony Hain

# IPv4 Address Fractal Map – 1/1/2001

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Reserved	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
Reserved	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	Reserved	Reserved	Reserved	APnic	Reserved	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
Reserved	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	Reserved	Reserved	APnic	Reserved	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
Reserved	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lilly	Reserved	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Loopback	Various	Various	Various	Various	Reserved	Reserved	Reserved	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2002

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
Reserved	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	Reserved	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
Reserved	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	Reserved	Reserved	APnic	Reserved	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
Reserved	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	Reserved	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Loopback	Various	Various	Various	Various	Reserved	Reserved	Reserved	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2003

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
Reserved	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	Reserved	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
Reserved	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	Reserved	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
Reserved	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	Reserved	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Loopback	Various	Various	Various	Various	Reserved	Reserved	Reserved	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
Reserved	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2004

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
Reserved	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
Reserved	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	Reserved	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Loopback	Various	Various	Various	Various	Reserved	Reserved	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2005

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	Reserved	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Loopback	Various	Various	Various	Various	Reserved	Reserved	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	ARIN	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2006

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	AfriNIC	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	Reserved	Reserved	APnic	Loopback	Various	Various	Various	Various	Reserved	Reserved	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	ARIN	ARIN	Reserved	Reserved	APnic	APnic	Various	Various	Various	Various	Reserved	Reserved	LACnic	LACnic
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
Reserved	Reserved	ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
Reserved	ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
RIPE	RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2007

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	AfriNIC	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	Loopback	Various	Various	Various	Various	Reserved	Reserved	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	ARIN	ARIN	APnic	Reserved	APnic	APnic	Various	Various	Various	Various	Reserved	Reserved	LACnic	LACnic
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
RIPE	RIPE	ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
RIPE	ARIN	ARIN	ARIN	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	Reserved	Reserved	ARIN	ARIN	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	Reserved	Reserved	ARIN	ARIN	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
RIPE	RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – Today

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	AfriNIC	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	Loopback	Various	Various	Various	Various	Reserved	Reserved	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	APnic	Various	Various	Various	Various	Reserved	Reserved	LACnic	LACnic
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
RIPE	RIPE	ARIN	ARIN	APnic	APnic	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
RIPE	ARIN	ARIN	ARIN	APnic	APnic	Reserved	Reserved	Various	Various	Various	Various	Reserved	Reserved	Reserved	Reserved
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Reserved
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Reserved	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
RIPE	RIPE	RIPE	RIPE	Reserved	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2008\*

000	<b>001</b>	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	<b>Reserved</b>	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	<b>002</b>	013	012	017	018	<b>023</b>	022	233	232	236	238	243	242	253	252
GE	<b>Reserved</b>	Xerox	AT&T	Apple	MIT	<b>Reserved</b>	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	<b>007</b>	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	<b>Reserved</b>	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
<b>005</b>	006	009	010	<b>031</b>	028	<b>027</b>	026	229	228	227	224	245	246	249	250
<b>Reserved</b>	U.S. DoD	IBM	Private	<b>Reserved</b>	U.S. DoD	<b>Reserved</b>	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	<b>036</b>	<b>037</b>	218	219	220	<b>223</b>	202	201	198	<b>197</b>
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	<b>Reserved</b>	<b>Reserved</b>	APnic	APnic	APnic	<b>Reserved</b>	APnic	LACnic	Various	<b>Reserved</b>
059	056	055	052	033	034	<b>039</b>	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	<b>Reserved</b>	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	<b>050</b>	051	<b>046</b>	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	<b>Reserved</b>	UK DSS	<b>Reserved</b>	Interop	Eli Lily	AfriNIC	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	<b>049</b>	048	047	044	043	<b>042</b>	213	212	211	208	207	206	193	192
ARIN	RIPE	<b>Reserved</b>	Prudential	Bell-Northern	Radio	Inet	<b>Reserved</b>	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	Loopback	Various	Various	Various	Various	Next	Next	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	<b>184</b>	189	190
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	APnic	Various	Various	Various	Various	Next	<b>Reserved</b>	LACnic	LACnic
078	077	072	073	118	119	<b>114</b>	<b>113</b>	142	141	136	137	<b>182</b>	<b>183</b>	<b>178</b>	<b>177</b>
RIPE	RIPE	ARIN	ARIN	APnic	APnic	Next	<b>Reserved</b>	Various	Various	Various	Various	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>
079	076	075	074	117	116	<b>115</b>	<b>112</b>	143	140	139	138	<b>181</b>	<b>180</b>	<b>179</b>	<b>176</b>
RIPE	ARIN	ARIN	ARIN	APnic	APnic	Next	<b>Reserved</b>	Various	Various	Various	Various	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>
080	081	094	095	096	097	<b>110</b>	<b>111</b>	144	145	158	159	160	161	<b>174</b>	<b>175</b>
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	<b>Reserved</b>	<b>Reserved</b>	Various	Various	Various	Various	Various	Various	<b>Reserved</b>	<b>Reserved</b>
083	082	093	092	099	098	<b>109</b>	<b>108</b>	147	146	157	156	163	162	<b>173</b>	172
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	<b>Reserved</b>	<b>Reserved</b>	Various	Various	Various	Various	Various	Various	<b>Reserved</b>	Various
084	087	088	091	<b>100</b>	<b>103</b>	<b>104</b>	<b>107</b>	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	RIPE	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	<b>101</b>	<b>102</b>	<b>105</b>	<b>106</b>	149	150	153	154	165	166	169	170
RIPE	RIPE	RIPE	RIPE	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>	<b>Reserved</b>	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2009\*

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Reserved	Xerox	AT&T	Apple	MIT	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Reserved	U.S. DoD	IBM	Private	Reserved	U.S. DoD	Reserved	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	Reserved	Reserved	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Reserved
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Reserved	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Reserved	UK DSS	Reserved	Interop	Eli Lily	AfriNIC	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Reserved	Prudential	Bell-Northern	Radio	Inet	Reserved	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	Loopback	Various	Various	Various	Various	Next	Next	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	APnic	Various	Various	Various	Various	Next	Next	LACnic	LACnic
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
RIPE	RIPE	ARIN	ARIN	APnic	APnic	Next	Next	Various	Various	Various	Various	Next	Next	Next	Next
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
RIPE	ARIN	ARIN	ARIN	APnic	APnic	Next	Next	Various	Various	Various	Various	Next	Next	Next	Next
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	Next	Next	Various	Various	Various	Various	Various	Various	Next	Next
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Next	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	RIPE	Next	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
RIPE	RIPE	RIPE	RIPE	Next	Reserved	Reserved	Reserved	Various	Various	Various	Various	Various	Various	Various	Various

# IPv4 Address Fractal Map – 1/1/2010\*

000	001	014	015	016	019	020	021	234	235	236	239	240	241	254	255
Local	Reserved	PDN	HP	DEC	Ford	CSC	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
003	002	013	012	017	018	023	022	233	232	236	238	243	242	253	252
GE	Next	Xerox	AT&T	Apple	MIT	Next	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
004	007	008	011	030	029	024	025	230	231	226	225	244	247	248	251
L3	Reserved	L3	U.S. DoD	U.S. DoD	U.S. DoD	Cable	UK Defense	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
005	006	009	010	031	028	027	026	229	228	227	224	245	246	249	250
Next	U.S. DoD	IBM	Private	Next	U.S. DoD	Next	U.S. DoD	Multicast	Multicast	Multicast	Multicast	ClassE	ClassE	ClassE	ClassE
058	057	054	053	032	035	036	037	218	219	220	223	202	201	198	197
APnic	SITA	Merck	Cap Debis	AT&T	MERIT	Next	Next	APnic	APnic	APnic	Reserved	APnic	LACnic	Various	Next
059	056	055	052	033	034	039	038	217	216	221	222	203	200	199	196
APnic	U.S. Postal	U.S. DoD	El duPont	U.S. DoD	Halliburton	Next	PSI	RIPE	ARIN	APnic	APnic	APnic	LACnic	ARIN	AfriNIC
060	061	050	051	046	045	040	041	214	215	210	209	204	205	194	195
APnic	APnic	Next	UK DSS	Next	Interop	Eli Lily	AfriNIC	U.S. DoD	U.S. DoD	APnic	ARIN	ARIN	ARIN	RIPE	RIPE
063	062	049	048	047	044	043	042	213	212	211	208	207	206	193	192
ARIN	RIPE	Next	Prudential	Bell-Northern	Radio	Inet	Next	RIPE	RIPE	APnic	ARIN	ARIN	ARIN	RIPE	Various
064	067	068	069	122	123	124	127	128	131	132	133	186	187	188	191
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	Loopback	Various	Various	Various	Various	Next	Next	Various	Various
065	066	071	070	121	120	125	126	129	130	135	134	185	184	189	190
ARIN	ARIN	ARIN	ARIN	APnic	APnic	APnic	APnic	Various	Various	Various	Various	Next	Next	LACnic	LACnic
078	077	072	073	118	119	114	113	142	141	136	137	182	183	178	177
RIPE	RIPE	ARIN	ARIN	APnic	APnic	Next	Next	Various	Various	Various	Various	Next	Next	Next	Next
079	076	075	074	117	116	115	112	143	140	139	138	181	180	179	176
RIPE	ARIN	ARIN	ARIN	APnic	APnic	Next	Next	Various	Various	Various	Various	Next	Next	Next	Next
080	081	094	095	096	097	110	111	144	145	158	159	160	161	174	175
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	Next	Next	Various	Various	Various	Various	Various	Various	Next	Next
083	082	093	092	099	098	109	108	147	146	157	156	163	162	173	172
RIPE	RIPE	RIPE	RIPE	ARIN	ARIN	Next	Next	Various	Various	Various	Various	Various	Various	Next	Various
084	087	088	091	100	103	104	107	148	151	152	155	164	167	168	171
RIPE	RIPE	RIPE	RIPE	Next	Next	Next	Next	Various	Various	Various	Various	Various	Various	Various	Various
085	086	089	090	101	102	105	106	149	150	153	154	165	166	169	170
RIPE	RIPE	RIPE	RIPE	Next	Next	Next	Next	Various	Various	Various	Various	Various	Various	Various	Various