当日配布資料

- 添付資料-1 収容表
  - チュートリアルにて説明行ったhogehoge.comのネットワーク収容表
- 添付資料-2 Config集
  - チュートリアルにて説明を行ったhogehoge.comのL3/L2スイッチのConfig
    - ここでは具体的にするためにL3/L2スイッチを以下の機種としてConfig作成している
      - L3SW：Cisco4908
      - L2SW：Cisco3548

添付資料-1 収容表

1-(1) ネットワーク構成

1-(2) IPアドレスブロック収容・VLAN収容表

1-(3) IPアドレス収容表: 211.14.XXX.0 - Global Segment

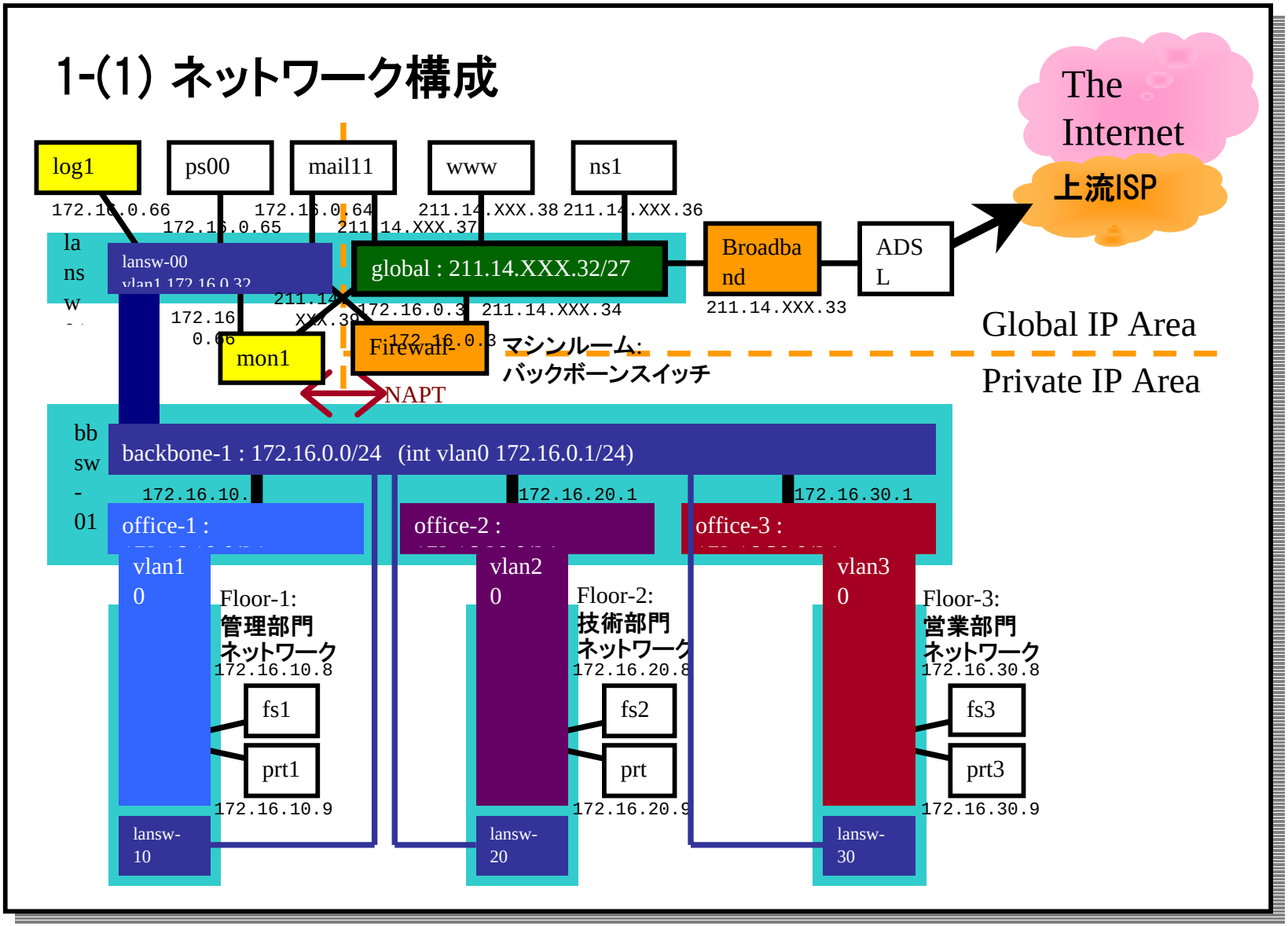
1-(4) IPアドレス収容表: 162.16.0.0 - BackBone Segment

1-(5) IPアドレス収容表: 162.16.10.0 - Management Dept Segment

1-(6) IPアドレス収容表: 162.16.20.0 - Engineering Dept Segment

1-(7) IPアドレス収容表: 162.16.30.0 - Sales Dept Segment

1-(8) IPアドレス収容表: 162.31.0.0 - Loopback Segment


1-(1) ネットワーク構成
The Internet
上流ISP
log1
ps00
mail11
www
ns1
172.16.0.66
172.16.0.65
172.16.0.64
211.14.XXX.38
211.14.XXX.36
211.14.XXX.37
lansw
lansw-00
global : 211.14.XXX.32/27
Broadband
ADSL
211.14.XXX.33
172.16.0.3
211.14.XXX.34
172.16.0.66
mon1
Firewall-
マシンルーム:
バックボーンスイッチ
Global IP Area
Private IP Area
NAPT
bbsw-01
backbone-1 : 172.16.0.0/24 (int vlan0 172.16.0.1/24)
172.16.10.
172.16.20.1
172.16.30.1
office-1 :
office-2 :
office-3 :
vlan10
vlan20
vlan30
Floor-1:
管理部門
ネットワーク
172.16.10.8
Floor-2:
技術部門
ネットワーク
172.16.20.8
Floor-3:
営業部門
ネットワーク
172.16.30.8
fs1
prt1
fs2
prt
fs3
prt3
172.16.10.9
172.16.20.9
172.16.30.9
lansw-10
lansw-20
lansw-30

1-(2) IPアドレスブロック収容・VLAN収容表

バックボーンスイッチポート収容

	bbsw-01	
	VLAN-ID	収容装置
GigabitEthernet 1	trunk	lansw00 Gi0/1
GigabitEthernet 2	trunk	lansw10 Gi0/1
GigabitEthernet 3	trunk	lansw20 Gi0/1
GigabitEthernet 4	trunk	lansw30 Gi0/1
GigabitEthernet 5		
GigabitEthernet 6		
GigabitEthernet 7		
GigabitEthernet 8		

アドレス・VLAN割付

割付アドレスブロック	VLAN-ID	用途
211.14.233.32/27	vlan2	グローバルセグメント
172.16.0.0/24	vlan1	バックボーン管理用セグメント
172.16.10.0/24	vlan10	オフィスセグメント1(管理部門用)
172.16.20.0/24	vlan20	オフィスセグメント2(技術部門用)
172.16.30.0.24	vlan30	オフィスセグメント3(営業部門用)
172.31.0.0/24	---	ループバックセグメント

エッジスイッチポート収容

	lansw01		lansw10		lansw20		lansw30	
	VLAN-ID	収容装置	VLAN-ID	収容装置	VLAN-ID	収容装置	VLAN-ID	収容装置
FastEthernet 0/1	2	Firewall01 wan0	10	fs10	20	fs20	30	fs30
FastEthernet 0/2	2	extgw01 lan0	10	prt10	20	prt20	30	prt30
FastEthernet 0/3	2	mail1 eth0	10		20		30	
FastEthernet 0/4	2	ns1 eth0	10		20		30	
FastEthernet 0/5	2	www eth0	10		20		30	
FastEthernet 0/6	2	mon0 eth0	10		20		30	
FastEthernet 0/7	2		10		20		30	
FastEthernet 0/8	2		10		20		30	
FastEthernet 0/9	2		10		20		30	
FastEthernet 0/10	2		10		20		30	
FastEthernet 0/11	2		10		20		30	
FastEthernet 0/12	2		10		20		30	
FastEthernet 0/13	2		10		20		30	
FastEthernet 0/14	2		10		20		30	
FastEthernet 0/15	2		10		20		30	
FastEthernet 0/16	2		10		20		30	
FastEthernet 0/17	1	Firewall01 lan0	10		20		30	
FastEthernet 0/18	1	mail1 eth1	10		20		30	
FastEthernet 0/19	1	ps00	10		20		30	
FastEthernet 0/20	1	mon0 eth1	10		20		30	
FastEthernet 0/21	1	log1 eth0	10		20		30	
FastEthernet 0/22	1		10		20		30	
FastEthernet 0/23	1		10		20		30	
FastEthernet 0/24	1		10		20		30	
FastEthernet 0/25	1		10		20		30	
FastEthernet 0/26	1		10		20		30	
FastEthernet 0/27	1		10		20		30	
FastEthernet 0/28	1		10		20		30	
FastEthernet 0/29	1		10		20		30	
FastEthernet 0/30	1		10		20		30	
FastEthernet 0/31	1		10		20		30	
FastEthernet 0/32	1		10		20		30	
FastEthernet 0/33	1		10		20		30	
FastEthernet 0/34	1		10		20		30	
FastEthernet 0/35	1		10		20		30	
FastEthernet 0/36	1		10		20		30	
FastEthernet 0/37	1		10		20		30	
FastEthernet 0/38	1		10		20		30	
FastEthernet 0/39	1		10		20		30	
FastEthernet 0/40	1		10		20		30	
FastEthernet 0/41	1		10		20		30	
FastEthernet 0/42	1		10		20		30	
FastEthernet 0/43	1		10		20		30	
FastEthernet 0/44	1		10		20		30	
FastEthernet 0/45	1		10	保守用	10	保守用	10	保守用
FastEthernet 0/46	1		20	保守用	20	保守用	20	保守用
FastEthernet 0/47	1		30	保守用	30	保守用	30	保守用
FastEthernet 0/48	1		1	保守用	1	保守用	1	保守用
GigabitEthernet 0/1	trunk	bbsw01 Gi1	trunk	bbsw01 Gi2	trunk	bbsw01 Gi3	trunk	bbsw01 Gi4
GigabitEthernet 0/2	---	---	---	---	---	---	---	---

1-(3) IPアドレス収容表: 211.14.XXX.0 - Global Segment

IP Addr　211.14.XXX.32/27
割付用途　グローバルアドレスセグメント

未使用		Global Segment		未使用		未使用	
MASK		MASK	255.255.255.224	MASK		MASK	
0		32	Network Address	64		96	
1		33	extgw01 lan0	65		97	
2		34	firewall01 wan0	66		98	
3		35		67		99	
4		36	ns1 eth0	68		100	
5		37	mail1 eth0	69		101	
6		38	www eth0	70		102	
7		39	mon1 eth0	71		103	
8		40		72		104	
9		41		73		105	
10		42		74		106	
11		43		75		107	
12		44		76		108	
13		45		77		109	
14		46		78		110	
15		47		79		111	
16		48		80		112	
17		49		81		113	
18		50		82		114	
19		51		83		115	
20		52		84		116	
21		53		85		117	
22		54		86		118	
23		55		87		119	
24		56		88		120	
25		57		89		121	
26		58		90		122	
27		59		91		123	
28		60		92		124	
29		61		93		125	
30		62		94		126	
31		63	Broadcast Address	95		127	

未使用		未使用		未使用		未使用	
MASK		MASK		MASK		MASK	
128		160		192		224	
129		161		193		225	
130		162		194		226	
131		163		195		227	
132		164		196		228	
133		165		197		229	
134		166		198		230	
135		167		199		231	
136		168		200		232	
137		169		201		233	
138		170		202		234	
139		171		203		235	
140		172		204		236	
141		173		205		237	
142		174		206		238	
143		175		207		239	
144		176		208		240	
145		177		209		241	
146		178		210		242	
147		179		211		243	
148		180		212		244	
149		181		213		245	
150		182		214		246	
151		183		215		247	
152		184		216		248	
153		185		217		249	
154		186		218		250	
155		187		219		251	
156		188		220		252	
157		189		221		253	
158		190		222		254	
159		191		223		255	

1-(4) IPアドレス収容表: 162.16.0.0 - BackBone Segment

IP Addr 172.16.0.0/24
割付用途 バックボーンセグメント

BackBone-1		BackBone-1		BackBone-1		BackBone	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
0	Netowrk Address	32	lansw00 vlan1	64	mail1 eth0	96	
1	bbsw01 vlan1	33	lansw10 vlan1	65	ps00 eth0	97	
2		34	lansw20 vlan1	66	mon1 eth1	98	
3	firewall01 lan1	35	lansw30 vlan1	67	log1 eth0	99	
4		36		68		100	
5		37		69		101	
6		38		70		102	
7		39		71		103	
8		40		72		104	
9		41		73		105	
10		42		74		106	
11		43		75		107	
12		44		76		108	
13		45		77		109	
14		46		78		110	
15		47		79		111	
16		48		80		112	
17		49		81		113	
18		50		82		114	
19		51		83		115	
20		52		84		116	
21		53		85		117	
22		54		86		118	
23		55		87		119	
24		56		88		120	
25		57		89		121	
26		58		90		122	
27		59		91		123	
28		60		92		124	
29		61		93		125	
30		62		94		126	
31		63		95		127	

BackBone-1		BackBone-1		BackBone-1		BackBone	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
128		160		192		224	
129		161		193		225	
130		162		194		226	
131		163		195		227	
132		164		196		228	
133		165		197		229	
134		166		198		230	
135		167		199		231	
136		168		200		232	
137		169		201		233	
138		170		202		234	
139		171		203		235	
140		172		204		236	
141		173		205		237	
142		174		206		238	
143		175		207		239	
144		176		208		240	
145		177		209		241	
146		178		210		242	
147		179		211		243	
148		180		212		244	
149		181		213		245	
150		182		214		246	
151		183		215		247	
152		184		216		248	
153		185		217		249	
154		186		218		250	
155		187		219		251	
156		188		220		252	
157		189		221		253	
158		190		222		254	
159		191		223		255	Broadca

1-(5) IPアドレス収容表: 162.16.10.0 - Management Dept Segment

IP Addr　172.16.10.0/24
割付用途　管理部門用アドレスブロック

Office Segment-1		Office Segment-1		Office Segment-1		Office Segme	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
0	Netowrk Address	32		64	dhcp pool	96	dhc
1	bbsw01 vlan10	33		65	dhcp pool	97	dhc
2		34		66	dhcp pool	98	dhc
3		35		67	dhcp pool	99	dhc
4		36		68	dhcp pool	100	dhc
5		37		69	dhcp pool	101	dhc
6		38		70	dhcp pool	102	dhc
7		39		71	dhcp pool	103	dhc
8	fs10 (管理部門用ファイルサーバ)	40		72	dhcp pool	104	dhc
9	ps10 (管理部門用プリンタ)	41		73	dhcp pool	105	dhc
10		42		74	dhcp pool	106	dhc
11		43		75	dhcp pool	107	dhc
12		44		76	dhcp pool	108	dhc
13		45		77	dhcp pool	109	dhc
14		46		78	dhcp pool	110	dhc
15		47		79	dhcp pool	111	dhc
16		48		80	dhcp pool	112	dhc
17		49		81	dhcp pool	113	dhc
18		50		82	dhcp pool	114	dhc
19		51		83	dhcp pool	115	dhc
20		52		84	dhcp pool	116	dhc
21		53		85	dhcp pool	117	dhc
22		54		86	dhcp pool	118	dhc
23		55		87	dhcp pool	119	dhc
24		56		88	dhcp pool	120	dhc
25		57		89	dhcp pool	121	dhc
26		58		90	dhcp pool	122	dhc
27		59		91	dhcp pool	123	dhc
28		60		92	dhcp pool	124	dhc
29		61		93	dhcp pool	125	dhc
30		62		94	dhcp pool	126	dhc
31		63		95	dhcp pool	127	dhc

Office Segment-1		Office Segment-1		Office Segment-1		Office Segme	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
128	dhcp pool	160	dhcp pool	192	dhcp pool	224	dhc
129	dhcp pool	161	dhcp pool	193	dhcp pool	225	dhc
130	dhcp pool	162	dhcp pool	194	dhcp pool	226	dhc
131	dhcp pool	163	dhcp pool	195	dhcp pool	227	dhc
132	dhcp pool	164	dhcp pool	196	dhcp pool	228	dhc
133	dhcp pool	165	dhcp pool	197	dhcp pool	229	dhc
134	dhcp pool	166	dhcp pool	198	dhcp pool	230	dhc
135	dhcp pool	167	dhcp pool	199	dhcp pool	231	dhc
136	dhcp pool	168	dhcp pool	200	dhcp pool	232	dhc
137	dhcp pool	169	dhcp pool	201	dhcp pool	233	dhc
138	dhcp pool	170	dhcp pool	202	dhcp pool	234	dhc
139	dhcp pool	171	dhcp pool	203	dhcp pool	235	dhc
140	dhcp pool	172	dhcp pool	204	dhcp pool	236	dhc
141	dhcp pool	173	dhcp pool	205	dhcp pool	237	dhc
142	dhcp pool	174	dhcp pool	206	dhcp pool	238	dhc
143	dhcp pool	175	dhcp pool	207	dhcp pool	239	dhc
144	dhcp pool	176	dhcp pool	208	dhcp pool	240	dhc
145	dhcp pool	177	dhcp pool	209	dhcp pool	241	dhc
146	dhcp pool	178	dhcp pool	210	dhcp pool	242	dhc
147	dhcp pool	179	dhcp pool	211	dhcp pool	243	dhc
148	dhcp pool	180	dhcp pool	212	dhcp pool	244	dhc
149	dhcp pool	181	dhcp pool	213	dhcp pool	245	dhc
150	dhcp pool	182	dhcp pool	214	dhcp pool	246	dhc
151	dhcp pool	183	dhcp pool	215	dhcp pool	247	dhc
152	dhcp pool	184	dhcp pool	216	dhcp pool	248	dhc
153	dhcp pool	185	dhcp pool	217	dhcp pool	249	dhc
154	dhcp pool	186	dhcp pool	218	dhcp pool	250	dhc
155	dhcp pool	187	dhcp pool	219	dhcp pool	251	dhc
156	dhcp pool	188	dhcp pool	220	dhcp pool	252	dhc
157	dhcp pool	189	dhcp pool	221	dhcp pool	253	dhc
158	dhcp pool	190	dhcp pool	222	dhcp pool	254	dhc
159	dhcp pool	191	dhcp pool	223	dhcp pool	255	Broadca

1-(6) IPアドレス収容表: 162.16.20.0 - Engineering Dept Segment

IP Addr 172.16.20.0/24

割付用途 技術部門用アドレスブロック

Office Segment-1		Office Segment-1		Office Segment-1		Office Segme	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
0	Netowrk Address	32		64	dhcp pool	96	dhc
1	bbsw01 vlan20	33		65	dhcp pool	97	dhc
2		34		66	dhcp pool	98	dhc
3		35		67	dhcp pool	99	dhc
4		36		68	dhcp pool	100	dhc
5		37		69	dhcp pool	101	dhc
6		38		70	dhcp pool	102	dhc
7		39		71	dhcp pool	103	dhc
8	fs20 (技術部門用ファイルサーバ)	40		72	dhcp pool	104	dhc
9	prt20 (技術部門用プリンタ)	41		73	dhcp pool	105	dhc
10		42		74	dhcp pool	106	dhc
11		43		75	dhcp pool	107	dhc
12		44		76	dhcp pool	108	dhc
13		45		77	dhcp pool	109	dhc
14		46		78	dhcp pool	110	dhc
15		47		79	dhcp pool	111	dhc
16		48		80	dhcp pool	112	dhc
17		49		81	dhcp pool	113	dhc
18		50		82	dhcp pool	114	dhc
19		51		83	dhcp pool	115	dhc
20		52		84	dhcp pool	116	dhc
21		53		85	dhcp pool	117	dhc
22		54		86	dhcp pool	118	dhc
23		55		87	dhcp pool	119	dhc
24		56		88	dhcp pool	120	dhc
25		57		89	dhcp pool	121	dhc
26		58		90	dhcp pool	122	dhc
27		59		91	dhcp pool	123	dhc
28		60		92	dhcp pool	124	dhc
29		61		93	dhcp pool	125	dhc
30		62		94	dhcp pool	126	dhc
31		63		95	dhcp pool	127	dhc

Office Segment-1		Office Segment-1		Office Segment-1		Office Segme	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
128	dhcp pool	160	dhcp pool	192	dhcp pool	224	dhc
129	dhcp pool	161	dhcp pool	193	dhcp pool	225	dhc
130	dhcp pool	162	dhcp pool	194	dhcp pool	226	dhc
131	dhcp pool	163	dhcp pool	195	dhcp pool	227	dhc
132	dhcp pool	164	dhcp pool	196	dhcp pool	228	dhc
133	dhcp pool	165	dhcp pool	197	dhcp pool	229	dhc
134	dhcp pool	166	dhcp pool	198	dhcp pool	230	dhc
135	dhcp pool	167	dhcp pool	199	dhcp pool	231	dhc
136	dhcp pool	168	dhcp pool	200	dhcp pool	232	dhc
137	dhcp pool	169	dhcp pool	201	dhcp pool	233	dhc
138	dhcp pool	170	dhcp pool	202	dhcp pool	234	dhc
139	dhcp pool	171	dhcp pool	203	dhcp pool	235	dhc
140	dhcp pool	172	dhcp pool	204	dhcp pool	236	dhc
141	dhcp pool	173	dhcp pool	205	dhcp pool	237	dhc
142	dhcp pool	174	dhcp pool	206	dhcp pool	238	dhc
143	dhcp pool	175	dhcp pool	207	dhcp pool	239	dhc
144	dhcp pool	176	dhcp pool	208	dhcp pool	240	dhc
145	dhcp pool	177	dhcp pool	209	dhcp pool	241	dhc
146	dhcp pool	178	dhcp pool	210	dhcp pool	242	dhc
147	dhcp pool	179	dhcp pool	211	dhcp pool	243	dhc
148	dhcp pool	180	dhcp pool	212	dhcp pool	244	dhc
149	dhcp pool	181	dhcp pool	213	dhcp pool	245	dhc
150	dhcp pool	182	dhcp pool	214	dhcp pool	246	dhc
151	dhcp pool	183	dhcp pool	215	dhcp pool	247	dhc
152	dhcp pool	184	dhcp pool	216	dhcp pool	248	dhc
153	dhcp pool	185	dhcp pool	217	dhcp pool	249	dhc
154	dhcp pool	186	dhcp pool	218	dhcp pool	250	dhc
155	dhcp pool	187	dhcp pool	219	dhcp pool	251	dhc
156	dhcp pool	188	dhcp pool	220	dhcp pool	252	dhc
157	dhcp pool	189	dhcp pool	221	dhcp pool	253	dhc
158	dhcp pool	190	dhcp pool	222	dhcp pool	254	dhc
159	dhcp pool	191	dhcp pool	223	dhcp pool	255	Broadca

1-(7) IPアドレス収容表: 162.16.30.0 - Sales Dept Segment

IP Addr 172.16.30.0/24

割付用途 技術部門用アドレスブロック

Office Segment-1		Office Segment-1		Office Segment-1		Office Segme	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
0	Netowrk Address	32		64	dhcp pool	96	dhc
1	bbsw01 vlan30	33		65	dhcp pool	97	dhc
2		34		66	dhcp pool	98	dhc
3		35		67	dhcp pool	99	dhc
4		36		68	dhcp pool	100	dhc
5		37		69	dhcp pool	101	dhc
6		38		70	dhcp pool	102	dhc
7		39		71	dhcp pool	103	dhc
8	fs30 (営業部門用ファイルサーバ)	40		72	dhcp pool	104	dhc
9	prt30 (営業部門用プリンタ)	41		73	dhcp pool	105	dhc
10		42		74	dhcp pool	106	dhc
11		43		75	dhcp pool	107	dhc
12		44		76	dhcp pool	108	dhc
13		45		77	dhcp pool	109	dhc
14		46		78	dhcp pool	110	dhc
15		47		79	dhcp pool	111	dhc
16		48		80	dhcp pool	112	dhc
17		49		81	dhcp pool	113	dhc
18		50		82	dhcp pool	114	dhc
19		51		83	dhcp pool	115	dhc
20		52		84	dhcp pool	116	dhc
21		53		85	dhcp pool	117	dhc
22		54		86	dhcp pool	118	dhc
23		55		87	dhcp pool	119	dhc
24		56		88	dhcp pool	120	dhc
25		57		89	dhcp pool	121	dhc
26		58		90	dhcp pool	122	dhc
27		59		91	dhcp pool	123	dhc
28		60		92	dhcp pool	124	dhc
29		61		93	dhcp pool	125	dhc
30		62		94	dhcp pool	126	dhc
31		63		95	dhcp pool	127	dhc

Office Segment-1		Office Segment-1		Office Segment-1		Office Segme	
MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.255.255.0	MASK	255.2
128	dhcp pool	160	dhcp pool	192	dhcp pool	224	dhc
129	dhcp pool	161	dhcp pool	193	dhcp pool	225	dhc
130	dhcp pool	162	dhcp pool	194	dhcp pool	226	dhc
131	dhcp pool	163	dhcp pool	195	dhcp pool	227	dhc
132	dhcp pool	164	dhcp pool	196	dhcp pool	228	dhc
133	dhcp pool	165	dhcp pool	197	dhcp pool	229	dhc
134	dhcp pool	166	dhcp pool	198	dhcp pool	230	dhc
135	dhcp pool	167	dhcp pool	199	dhcp pool	231	dhc
136	dhcp pool	168	dhcp pool	200	dhcp pool	232	dhc
137	dhcp pool	169	dhcp pool	201	dhcp pool	233	dhc
138	dhcp pool	170	dhcp pool	202	dhcp pool	234	dhc
139	dhcp pool	171	dhcp pool	203	dhcp pool	235	dhc
140	dhcp pool	172	dhcp pool	204	dhcp pool	236	dhc
141	dhcp pool	173	dhcp pool	205	dhcp pool	237	dhc
142	dhcp pool	174	dhcp pool	206	dhcp pool	238	dhc
143	dhcp pool	175	dhcp pool	207	dhcp pool	239	dhc
144	dhcp pool	176	dhcp pool	208	dhcp pool	240	dhc
145	dhcp pool	177	dhcp pool	209	dhcp pool	241	dhc
146	dhcp pool	178	dhcp pool	210	dhcp pool	242	dhc
147	dhcp pool	179	dhcp pool	211	dhcp pool	243	dhc
148	dhcp pool	180	dhcp pool	212	dhcp pool	244	dhc
149	dhcp pool	181	dhcp pool	213	dhcp pool	245	dhc
150	dhcp pool	182	dhcp pool	214	dhcp pool	246	dhc
151	dhcp pool	183	dhcp pool	215	dhcp pool	247	dhc
152	dhcp pool	184	dhcp pool	216	dhcp pool	248	dhc
153	dhcp pool	185	dhcp pool	217	dhcp pool	249	dhc
154	dhcp pool	186	dhcp pool	218	dhcp pool	250	dhc
155	dhcp pool	187	dhcp pool	219	dhcp pool	251	dhc
156	dhcp pool	188	dhcp pool	220	dhcp pool	252	dhc
157	dhcp pool	189	dhcp pool	221	dhcp pool	253	dhc
158	dhcp pool	190	dhcp pool	222	dhcp pool	254	dhc
159	dhcp pool	191	dhcp pool	223	dhcp pool	255	Broadca

1-(8) IPアドレス収容表: 162.31.0.0 - Loopback Segment

IP Addr 172.31.0.0/24

割付用途 ループバックセグメント

loopback		loopback		loopback		loopback	
MASK	255.255.255.255	MASK	255.255.255.255	MASK	255.255.255.255	MASK	255.25
0	Netowrk Address	32		64		96	
1	bbsw01 loopback0	33		65		97	
2	extgw01 loopback0	34		66		98	
3		35		67		99	
4		36		68		100	
5		37		69		101	
6		38		70		102	
7		39		71		103	
8		40		72		104	
9		41		73		105	
10		42		74		106	
11		43		75		107	
12		44		76		108	
13		45		77		109	
14		46		78		110	
15		47		79		111	
16		48		80		112	
17		49		81		113	
18		50		82		114	
19		51		83		115	
20		52		84		116	
21		53		85		117	
22		54		86		118	
23		55		87		119	
24		56		88		120	
25		57		89		121	
26		58		90		122	
27		59		91		123	
28		60		92		124	
29		61		93		125	
30		62		94		126	
31		63		95		127	

loopback		loopback		loopback		loopback	
MASK	255.255.255.255	MASK	255.255.255.255	MASK	255.255.255.255	MASK	255.25
128		160		192		224	
129		161		193		225	
130		162		194		226	
131		163		195		227	
132		164		196		228	
133		165		197		229	
134		166		198		230	
135		167		199		231	
136		168		200		232	
137		169		201		233	
138		170		202		234	
139		171		203		235	
140		172		204		236	
141		173		205		237	
142		174		206		238	
143		175		207		239	
144		176		208		240	
145		177		209		241	
146		178		210		242	
147		179		211		243	
148		180		212		244	
149		181		213		245	
150		182		214		246	
151		183		215		247	
152		184		216		248	
153		185		217		249	
154		186		218		250	
155		187		219		251	
156		188		220		252	
157		189		221		253	
158		190		222		254	
159		191		223		255	Broadca