

## Trabalho Prático

### Encaminhamento de dados

2019/2020

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## Tabela de Endereçamento IPv4 e IPv6

<b>ID</b>	<b>Máscara</b>	<b>Rede</b>	<b>Primeiro Endereço</b>	<b>Último Endereço</b>	<b>Endereço Broadcast</b>
1	255.255.255.248	194.65.28.0	194.65.28.1	194.65.28.6	194.65.28.7
2	255.255.255.248	194.65.28.8	194.65.28.9	194.65.28.14	194.65.28.15
3	255.255.255.248	194.65.28.16	194.65.28.17	194.65.28.22	194.65.28.23
4	255.255.255.248	194.65.28.24	194.65.28.25	194.65.28.30	194.65.28.31
5	255.255.255.248	194.65.28.32	194.65.28.33	194.65.28.38	194.65.28.39
6	255.255.255.248	194.65.28.40	194.65.28.41	194.65.28.46	194.65.28.47
7	255.255.255.248	194.65.28.48	194.65.28.49	194.65.28.54	194.65.28.55
8	255.255.255.248	194.65.28.56	194.65.28.57	194.65.28.62	194.65.28.63
9	255.255.255.248	194.65.28.64	194.65.28.65	194.65.28.70	194.65.28.71
10	255.255.255.248	194.65.28.72	194.65.28.73	194.65.28.78	194.65.28.79
11	255.255.255.248	194.65.28.80	194.65.28.81	194.65.28.86	194.65.28.87
12	255.255.255.248	194.65.28.88	194.65.28.89	194.65.28.94	194.65.28.95
13	255.255.255.248	194.65.28.96	194.65.28.97	194.65.28.102	194.65.28.103
14	255.255.255.248	194.65.28.104	194.65.28.105	194.65.28.110	194.65.28.111
15	255.255.255.248	194.65.28.112	194.65.28.113	194.65.28.118	194.65.28.119
16	255.255.255.248	194.65.28.120	194.65.28.121	194.65.28.126	194.65.28.127
17	255.255.255.248	194.65.28.128	194.65.28.129	194.65.28.134	194.65.28.135
18	255.255.255.248	194.65.28.136	194.65.28.137	194.65.28.142	194.65.28.143
19	255.255.255.248	194.65.28.144	194.65.28.145	194.65.28.150	194.65.28.151
20	255.255.255.248	194.65.28.152	194.65.28.153	194.65.28.158	194.65.28.159
21	255.255.255.248	194.65.28.160	194.65.28.161	194.65.28.166	194.65.28.167
22	255.255.255.248	194.65.28.168	194.65.28.169	194.65.28.174	194.65.28.175
23	255.255.255.248	194.65.28.176	194.65.28.177	194.65.28.182	194.65.28.183
24	255.255.255.248	194.65.28.184	194.65.28.185	194.65.28.190	194.65.28.191
25	255.255.255.248	194.65.28.192	194.65.28.193	194.65.28.198	194.65.28.199
26	255.255.255.248	194.65.28.200	194.65.28.201	194.65.28.206	194.65.28.207
27	255.255.255.248	194.65.28.208	194.65.28.209	194.65.28.214	194.65.28.215
28	255.255.255.248	194.65.28.216	194.65.28.217	194.65.28.222	194.65.28.223
29	255.255.255.248	194.65.28.224	194.65.28.225	194.65.28.230	194.65.28.231
30	255.255.255.248	194.65.28.232	194.65.28.233	194.65.28.238	194.65.28.239
31	255.255.255.248	194.65.28.240	194.65.28.241	194.65.28.246	194.65.28.247
32	255.255.255.248	194.65.28.248	194.65.28.249	194.65.28.254	194.65.28.255
33	255.255.255.248	194.65.29.0	194.65.29.1	194.65.29.6	194.65.29.7
34	255.255.255.248	194.65.29.8	194.65.29.9	194.65.29.14	194.65.29.15
35	255.255.255.248	194.65.29.16	194.65.29.17	194.65.29.22	194.65.29.23
36	255.255.255.248	194.65.29.24	194.65.29.25	194.65.29.30	194.65.29.31
37	255.255.255.248	194.65.29.32	194.65.29.33	194.65.29.38	194.65.29.39
38	255.255.255.248	194.65.29.40	194.65.29.41	194.65.29.46	194.65.29.47
39	255.255.255.248	194.65.29.48	194.65.29.49	194.65.29.54	194.65.29.55
40	255.255.255.248	194.65.29.56	194.65.29.57	194.65.29.62	194.65.29.63

41	255.255.255.248	194.65.29.64	194.65.29.65	194.65.29.70	194.65.29.71
42	255.255.255.248	194.65.29.72	194.65.29.73	194.65.29.78	194.65.29.79
43	255.255.255.248	194.65.29.80	194.65.29.81	194.65.29.86	194.65.29.87
44	255.255.255.248	194.65.29.88	194.65.29.89	194.65.29.94	194.65.29.95
45	255.255.255.248	194.65.29.96	194.65.29.97	194.65.29.102	194.65.29.103
46	255.255.255.248	194.65.29.104	194.65.29.105	194.65.29.110	194.65.29.111
47	255.255.255.248	194.65.29.112	194.65.29.113	194.65.29.118	194.65.29.119
48	255.255.255.248	194.65.29.120	194.65.29.121	194.65.29.126	194.65.29.127
49	255.255.255.248	194.65.29.128	194.65.29.129	194.65.29.134	194.65.29.135
50	255.255.255.248	194.65.29.136	194.65.29.137	194.65.29.142	194.65.29.143
51	255.255.255.248	194.65.29.144	194.65.29.145	194.65.29.150	194.65.29.151
52	255.255.255.248	194.65.29.152	194.65.29.153	194.65.29.158	194.65.29.159
53	255.255.255.248	194.65.29.160	194.65.29.161	194.65.29.166	194.65.29.167
54	255.255.255.248	194.65.29.168	194.65.29.169	194.65.29.174	194.65.29.175
55	255.255.255.248	194.65.29.176	194.65.29.177	194.65.29.182	194.65.29.183
56	255.255.255.248	194.65.29.184	194.65.29.185	194.65.29.190	194.65.29.191
57	255.255.255.248	194.65.29.192	194.65.29.193	194.65.29.198	194.65.29.199
58	255.255.255.248	194.65.29.200	194.65.29.201	194.65.29.206	194.65.29.207
59	255.255.255.248	194.65.29.208	194.65.29.209	194.65.29.214	194.65.29.215
60	255.255.255.248	194.65.29.216	194.65.29.217	194.65.29.222	194.65.29.223
61	255.255.255.252	10.1.1.0	10.1.1.1	10.1.1.2	10.1.1.3
62	255.255.255.252	10.1.1.4	10.1.1.5	10.1.1.6	10.1.1.7
63	255.255.255.252	10.1.1.8	10.1.1.9	10.1.1.10	10.1.1.11
64	255.255.255.252	10.1.1.12	10.1.1.13	10.1.1.14	10.1.1.15
65	255.255.255.252	10.1.1.16	10.1.1.17	10.1.1.18	10.1.1.19
66	255.255.255.252	10.1.1.20	10.1.1.21	10.1.1.22	10.1.1.23
67	255.255.255.252	10.1.1.24	10.1.1.25	10.1.1.26	10.1.1.27
68	255.255.255.252	10.1.1.28	10.1.1.29	10.1.1.30	10.1.1.31
69	255.255.255.252	10.1.1.32	10.1.1.33	10.1.1.34	10.1.1.35
70	255.255.255.252	10.1.1.36	10.1.1.37	10.1.1.38	10.1.1.39
71	255.255.255.252	10.1.1.40	10.1.1.41	10.1.1.42	10.1.1.43
72	255.255.255.252	10.1.1.44	10.1.1.45	10.1.1.46	10.1.1.47
73	255.255.255.252	10.1.1.48	10.1.1.49	10.1.1.50	10.1.1.51
74	255.255.255.252	10.1.1.52	10.1.1.53	10.1.1.54	10.1.1.55
75	255.255.255.252	10.1.1.56	10.1.1.57	10.1.1.58	10.1.1.59
76	255.255.255.252	10.1.1.60	10.1.1.61	10.1.1.62	10.1.1.63
77	255.255.255.252	10.1.1.64	10.1.1.65	10.1.1.66	10.1.1.67
78	255.255.255.252	10.1.1.68	10.1.1.69	10.1.1.70	10.1.1.71
79	255.255.255.252	10.1.1.72	10.1.1.73	10.1.1.74	10.1.1.75
80	255.255.255.252	10.1.1.76	10.1.1.77	10.1.1.78	10.1.1.79
81	255.255.255.252	10.1.1.80	10.1.1.81	10.1.1.82	10.1.1.83
82	255.255.255.252	10.1.1.84	10.1.1.85	10.1.1.86	10.1.1.87
83	255.255.255.252	10.1.1.88	10.1.1.89	10.1.1.90	10.1.1.91
84	255.255.255.252	10.1.1.92	10.1.1.93	10.1.1.94	10.1.1.95
85	255.255.255.252	10.1.1.96	10.1.1.97	10.1.1.98	10.1.1.99
86	255.255.255.252	10.1.1.100	10.1.1.101	10.1.1.102	10.1.1.103
87	255.255.255.252	10.1.1.104	10.1.1.105	10.1.1.106	10.1.1.107
88	255.255.255.252	10.1.1.108	10.1.1.109	10.1.1.110	10.1.1.111
89	255.255.255.252	10.1.1.112	10.1.1.113	10.1.1.114	10.1.1.115
90	255.255.255.252	10.1.1.116	10.1.1.117	10.1.1.118	10.1.1.119

91	255.255.255.252	10.1.1.120	10.1.1.121	10.1.1.122	10.1.1.123
92	255.255.255.252	10.1.1.124	10.1.1.125	10.1.1.126	10.1.1.127
93	255.255.255.252	10.1.1.128	10.1.1.129	10.1.1.130	10.1.1.131
94	255.255.255.252	10.1.1.132	10.1.1.133	10.1.1.134	10.1.1.135
95	255.255.255.252	10.20.14.224	10.20.14.225	10.20.14.226	10.20.14.227
96	255.255.255.252	10.10.14.240	10.10.14.241	10.10.14.242	10.10.14.243

## Tabela de Endereços das Interfaces dos Equipamentos

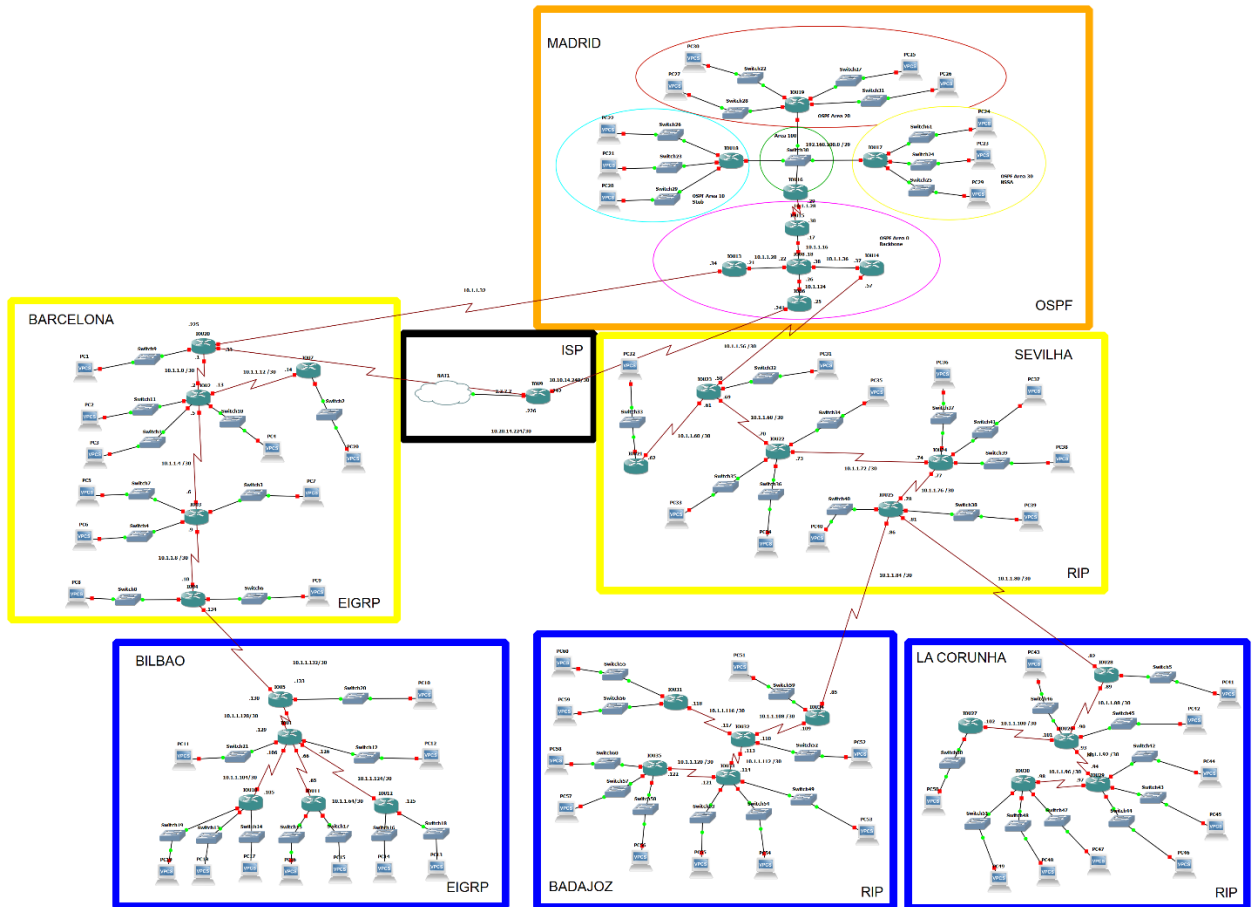
<u>ID</u>	<u>Equipamento</u>	<u>Tipo</u>	<u>Interface</u>	<u>Endereço MAC</u>	<u>Endereço IP/Mascara</u>
PC1	VPCS	Terminal	Ethernet0	00:50:79:66:68:00	194.65.28.1/29
PC2	VPCS	Terminal	Ethernet0	00:50:79:66:68:01	194.65.28.9/29
PC3	VPCS	Terminal	Ethernet0	00:50:79:66:68:02	194.65.28.17/29
PC4	VPCS	Terminal	Ethernet0	00:50:79:66:68:03	194.65.28.25/29
PC5	VPCS	Terminal	Ethernet0	00:50:79:66:68:04	194.65.28.33/29
PC6	VPCS	Terminal	Ethernet0	00:50:79:66:68:05	194.65.28.41/29
PC7	VPCS	Terminal	Ethernet0	00:50:79:66:68:06	194.65.28.49/29
PC8	VPCS	Terminal	Ethernet0	00:50:79:66:68:07	194.65.28.57/29
PC9	VPCS	Terminal	Ethernet0	00:50:79:66:68:08	194.65.28.65/29
PC10	VPCS	Terminal	Ethernet0	00:50:79:66:68:2e	194.65.29.217/29
PC11	VPCS	Terminal	Ethernet0	00:50:79:66:68:2f	194.65.29.201/29
PC12	VPCS	Terminal	Ethernet0	00:50:79:66:68:30	194.65.29.209/29
PC13	VPCS	Terminal	Ethernet0	00:50:79:66:68:31	194.65.29.193/29
PC14	VPCS	Terminal	Ethernet0	00:50:79:66:68:32	194.65.29.185/29
PC15	VPCS	Terminal	Ethernet0	00:50:79:66:68:33	194.65.29.177/29
PC16	VPCS	Terminal	Ethernet0	00:50:79:66:68:34	194.65.29.169/29
PC17	VPCS	Terminal	Ethernet0	00:50:79:66:68:35	194.65.29.161/29
PC18	VPCS	Terminal	Ethernet0	00:50:79:66:68:36	194.65.29.153/29
PC19	VPCS	Terminal	Ethernet0	00:50:79:66:68:37	194.65.29.145/29
PC20	VPCS	Terminal	Ethernet0	00:50:79:66:68:38	194.65.28.73/29
PC21	VPCS	Terminal	Ethernet0	00:50:79:66:68:39	194.65.28.81/29
PC22	VPCS	Terminal	Ethernet0	00:50:79:66:68:3a	194.65.28.89/29
PC23	VPCS	Terminal	Ethernet0	00:50:79:66:68:3b	194.65.28.97/29
PC24	VPCS	Terminal	Ethernet0	00:50:79:66:68:09	194.65.28.105/29
PC25	VPCS	Terminal	Ethernet0	00:50:79:66:68:0a	194.65.28.113/29
PC26	VPCS	Terminal	Ethernet0	00:50:79:66:68:0b	194.65.28.121/29
PC27	VPCS	Terminal	Ethernet0	00:50:79:66:68:0c	194.65.28.129/29
PC28	VPCS	Terminal	Ethernet0	00:50:79:66:68:0d	194.65.28.137/29
PC29	VPCS	Terminal	Ethernet0	00:50:79:66:68:0e	194.65.28.145/29
PC30	VPCS	Terminal	Ethernet0	00:50:79:66:68:0f	194.65.28.153/29
PC31	VPCS	Terminal	Ethernet0	00:50:79:66:68:10	194.65.28.161/29
PC32	VPCS	Terminal	Ethernet0	00:50:79:66:68:11	194.65.28.169/29
PC33	VPCS	Terminal	Ethernet0	00:50:79:66:68:12	194.65.28.177/29

PC34	VPCS	Terminal	Ethernet0	00:50:79:66:68:13	194.65.28.185/29
PC35	VPCS	Terminal	Ethernet0	00:50:79:66:68:14	194.65.28.193/29
PC36	VPCS	Terminal	Ethernet0	00:50:79:66:68:15	194.65.28.201/29
PC37	VPCS	Terminal	Ethernet0	00:50:79:66:68:16	194.65.28.209/29
PC38	VPCS	Terminal	Ethernet0	00:50:79:66:68:17	194.65.28.217/29
PC39	VPCS	Terminal	Ethernet0	00:50:79:66:68:18	194.65.28.225/29
PC40	VPCS	Terminal	Ethernet0	00:50:79:66:68:19	194.65.28.233/29
PC41	VPCS	Terminal	Ethernet0	00:50:79:66:68:1a	194.65.28.241/29
PC42	VPCS	Terminal	Ethernet0	00:50:79:66:68:1b	194.65.28.249/29
PC43	VPCS	Terminal	Ethernet0	00:50:79:66:68:1c	194.65.29.1/29
PC44	VPCS	Terminal	Ethernet0	00:50:79:66:68:1d	194.65.29.9/29
PC45	VPCS	Terminal	Ethernet0	00:50:79:66:68:1e	194.65.29.17/29
PC46	VPCS	Terminal	Ethernet0	00:50:79:66:68:1f	194.65.29.25/29
PC47	VPCS	Terminal	Ethernet0	00:50:79:66:68:20	194.65.29.33/29
PC48	VPCS	Terminal	Ethernet0	00:50:79:66:68:21	194.65.29.41/29
PC49	VPCS	Terminal	Ethernet0	00:50:79:66:68:22	194.65.29.49/29
PC50	VPCS	Terminal	Ethernet0	00:50:79:66:68:23	194.65.29.57/29
PC51	VPCS	Terminal	Ethernet0	00:50:79:66:68:24	194.65.29.65/29
PC52	VPCS	Terminal	Ethernet0	00:50:79:66:68:25	194.65.29.73/29
PC53	VPCS	Terminal	Ethernet0	00:50:79:66:68:26	194.65.29.81/29
PC54	VPCS	Terminal	Ethernet0	00:50:79:66:68:27	194.65.29.89/29
PC55	VPCS	Terminal	Ethernet0	00:50:79:66:68:28	194.65.29.97/29
PC56	VPCS	Terminal	Ethernet0	00:50:79:66:68:29	194.65.29.105/29
PC57	VPCS	Terminal	Ethernet0	00:50:79:66:68:2a	194.65.29.113/29
PC58	VPCS	Terminal	Ethernet0	00:50:79:66:68:2b	194.65.29.121/29
PC59	VPCS	Terminal	Ethernet0	00:50:79:66:68:2c	194.65.29.129/29
PC60	VPCS	Terminal	Ethernet0	00:50:79:66:68:2d	194.65.29.137/29
IOU1	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:05:10	2001:1:8::ff/64
IOU1	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:05:10	2001:1:9::ff/64
IOU2	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:01:30	194.65.28.14/29
IOU2	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:01:00	194.65.28.22/29
IOU2	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:01:20	194.65.28.30/29
IOU2	i86bi-linux	Router	Serial2/0	-	10.1.1.2/30
IOU2	i86bi-linux	Router	Serial2/1	-	10.1.1.5/30
IOU2	i86bi-linux	Router	Serial2/3	-	10.1.1.13/30
IOU3	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:02:00	194.65.28.38/29
IOU3	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:02:10	194.65.28.46/29
IOU3	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:02:30	194.65.28.54/29
IOU3	i86bi-linux	Router	Serial2/0	-	10.1.1.6/30
IOU3	i86bi-linux	Router	Serial2/1	-	10.1.1.9/30
IOU4	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:03:10	194.65.28.62/29
IOU4	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:03:00	194.65.28.70/29
IOU4	i86bi-linux	Router	Serial2/0	-	10.1.1.10/30
IOU4	i86bi-linux	Router	Serial2/1	-	10.1.1.125/30
IOU5	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:04:00	2001:1:10::ff/64
IOU5	i86bi-linux	Router	Serial2/0	-	10.1.1.126/30
IOU6	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:06:00	10.1.1.25/30
IOU6	i86bi-linux	Router	Serial2/0	-	10.10.14.241/30
IOU7	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:07:00	194.65.28.78/29
IOU7	i86bi-linux	Router	Serial2/0	-	10.1.1.14/30

IOU7	i86bi-linux	Router	Serial2/1	-	10.1.1.17/30
IOU8	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:08:00	10.1.1.22/30
IOU8	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:08:10	10.1.1.38/30
IOU8	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:08:20	10.1.1.18/30
IOU8	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:08:30	10.1.1.26/30
IOU9	i86bi-linux	Router	Serial2/0	-	10.20.14.226/30
IOU9	i86bi-linux	Router	Serial2/1	-	10.10.14.242/30
IOU10	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:0a:20	2001:1:1::ff/64
IOU10	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:0a:00	2001:1:2::ff/64
IOU10	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:0a:10	2001:1:3::ff/64
IOU11	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:0b:00	2001:1:4::ff/64
IOU11	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:0b:10	2001:1:5::ff/64
IOU12	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:0c:10	2001:1:7::ff/64
IOU12	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:0c:00	2001:1:6::ff/64
IOU13	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:0d:10	10.1.1.21/30
IOU13	i86bi-linux	Router	Serial2/0	-	10.1.1.34/30
IOU14	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:0e:00	10.1.1.37/30
IOU14	i86bi-linux	Router	Serial2/0	-	10.1.1.57/30
IOU15	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:0f:00	10.1.1.17/30
IOU15	i86bi-linux	Router	Serial2/0	-	10.1.1.30/30
IOU16	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:10:00	192.168.100.1/29
IOU16	i86bi-linux	Router	Serial2/0	-	10.1.1.29/30
IOU17	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:11:00	192.168.100.2/29
IOU17	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:11:10	194.65.28.110/29
IOU17	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:11:20	194.65.28.102/29
IOU17	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:11:30	194.65.28.150/29
IOU18	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:12:00	192.168.100.4/29
IOU18	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:12:10	194.65.28.94/29
IOU18	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:12:20	194.65.28.86/29
IOU18	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:12:30	194.65.28.142/29
IOU19	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:23:00	192.168.100.3/29
IOU19	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:23:10	194.65.28.134/29
IOU19	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:23:20	194.65.28.158/29
IOU19	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:23:30	194.65.28.118/29
IOU19	i86bi-linux	Router	Ethernet1/0	aa:bb:cc:00:23:01	194.65.28.126/29
IOU20	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:24:00	194.65.28.6/29
IOU20	i86bi-linux	Router	Serial2/1	-	10.1.1.1/30
IOU20	i86bi-linux	Router	Serial2/0	-	10.20.14.225/30
IOU20	i86bi-linux	Router	Serial2/2	-	10.1.1.33/30
IOU21	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:14:00	194.65.28.174/29
IOU21	i86bi-linux	Router	Serial2/1	-	10.1.1.62/30
IOU22	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:15:00	194.65.28.182/29
IOU22	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:15:10	194.65.28.190/29
IOU22	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:15:30	194.65.28.198/29
IOU22	i86bi-linux	Router	Serial2/1	-	10.1.1.73/30
IOU22	i86bi-linux	Router	Serial2/0	-	10.1.1.70/30
IOU23	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:16:00	194.65.28.166/29
IOU23	i86bi-linux	Router	Serial2/2	-	10.1.1.69/30
IOU23	i86bi-linux	Router	Serial2/0	-	10.1.1.61/30
IOU23	i86bi-linux	Router	Serial2/1	-	10.1.1.58/30

IOU24	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:17:00	194.65.28.206/29
IOU24	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:17:10	194.65.28.214/29
IOU24	i86bi-linux	Router	Ethernet1/0	aa:bb:cc:00:17:01	194.65.28.222/29
IOU24	i86bi-linux	Router	Serial2/0	-	10.1.1.74/30
IOU24	i86bi-linux	Router	Serial2/1	-	10.1.1.77/30
IOU25	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:18:10	194.65.28.230/29
IOU25	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:18:00	194.65.28.238/29
IOU25	i86bi-linux	Router	Serial2/0	-	10.1.1.78/30
IOU25	i86bi-linux	Router	Serial2/1	-	10.1.1.81/30
IOU25	i86bi-linux	Router	Serial2/2	-	10.1.1.86/30
IOU26	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:19:10	194.65.28.254/29
IOU26	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:19:00	194.65.29.6/29
IOU26	i86bi-linux	Router	Serial2/0	-	10.1.1.90/30
IOU26	i86bi-linux	Router	Serial2/1	-	10.1.1.101/30
IOU26	i86bi-linux	Router	Serial2/2	-	10.1.1.93/30
IOU27	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:1a:00	194.65.29.62/29
IOU27	i86bi-linux	Router	Serial2/0	-	10.1.1.102/30
IOU28	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:1b:00	194.65.28.246/29
IOU28	i86bi-linux	Router	Serial2/0	-	10.1.1.82/30
IOU28	i86bi-linux	Router	Serial2/1	-	10.1.1.89/30
IOU29	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:1c:00	194.65.29.14/29
IOU29	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:1c:10	194.65.29.22/29
IOU29	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:1c:20	194.65.29.30/29
IOU29	i86bi-linux	Router	Serial2/0	-	10.1.1.94/30
IOU29	i86bi-linux	Router	Serial2/1	-	10.1.1.97/30
IOU30	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:1d:00	194.65.29.38/29
IOU30	i86bi-linux	Router	Ethernet1/0	aa:bb:cc:00:1d:01	194.65.29.46/29
IOU30	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:1d:30	194.65.29.54/29
IOU30	i86bi-linux	Router	Serial2/0	-	10.1.1.98/30
IOU31	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:1e:00	194.65.29.134/29
IOU31	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:1e:10	194.65.29.142/29
IOU31	i86bi-linux	Router	Serial2/0	-	10.1.1.118/30
IOU32	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:1f:00	194.65.29.78/29
IOU32	i86bi-linux	Router	Serial2/2	-	10.1.1.117/30
IOU32	i86bi-linux	Router	Serial2/0	-	10.1.1.110/30
IOU32	i86bi-linux	Router	Serial2/1	-	10.1.1.113/30
IOU33	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:20:00	194.65.29.86/29
IOU33	i86bi-linux	Router	Ethernet0/1	aa:bb:cc:00:20:10	194.65.29.94/29
IOU33	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:20:20	194.65.29.102/29
IOU33	i86bi-linux	Router	Serial2/0		10.1.1.114/30
IOU33	i86bi-linux	Router	Serial2/1	-	10.1.1.121/30
IOU34	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:21:00	194.65.29.70/29
IOU34	i86bi-linux	Router	Serial2/1	-	10.1.1.109/30
IOU34	i86bi-linux	Router	Serial2/2	-	10.1.1.85/30
IOU35	i86bi-linux	Router	Ethernet0/0	aa:bb:cc:00:22:00	194.65.29.110/29
IOU35	i86bi-linux	Router	Ethernet0/2	aa:bb:cc:00:22:20	194.65.29.118/29
IOU35	i86bi-linux	Router	Ethernet0/3	aa:bb:cc:00:22:30	194.65.29.126/29
IOU35	i86bi-linux	Router	Serial2/0	-	10.1.1.122/30

# Topologia



## Notas sobre o trabalho

- Máscaras de Rede e Sub-rede
  - Foi utilizada uma Máscara 255.255.255.248 (/29) para as sub-redes do IPv4 uma vez que esta máscara nem tem muito nem tem poucos endereços disponíveis comparado com o /30 e o /28
  - Para os routers foi utilizada a rede 10.1.1.0/23 tendo as sub-redes uma máscara /30 uma vez que era mais que suficiente dois ips úteis para a ligação
- Madrid
  - IPv4
  - OSPF
- Barcelona
  - IPv4



- EIGRP
- 5 routers não tendo cada router mais que 3 terminais para que cada router possa ter pelo menos um terminal

- Sevilha

- IPv4
- RIP
- 5 routers não tendo cada router mais que 3 terminais para que cada router possa ter pelo menos um terminal

- La Corunha

- IPv4
- RIP (uma vez que Sevilha utilizava RIP)
- 5 routers não tendo cada router mais que 3 terminais para que cada router possa ter pelo menos um terminal

- Badajoz

- IPv4
- RIP (uma vez que Sevilha utilizava RIP)
- 5 routers não tendo cada router mais que 3 terminais para que cada router possa ter pelo menos um terminal

- Bilbao

- IPv6
- EIGRP (uma vez que Barcelona utilizava EIGRP)
- 5 routers não tendo cada router mais que 3 terminais para que cada router possa ter pelo menos um terminal

- Visualmente

- A localização e o protocolo utilizado encontram-se num dos cantos de cada quadrado que delimita a área da rede
- Os endereços dos terminais não se encontram escritos na topologia para não ficar muito confuso e por isso apenas escrevi os endereços utilizados entre ligações entre routers

- As áreas do OSPF encontram se delimitadas com círculos de cor indicado dentro do mesmo algumas informações (exemplo: número da área OSPF).