

Protocol 0xfe68

Capturando desde 5 interfaces						
Archivo Edición Visualización Ir Captura Analizar Estadísticas Telefonía Wireless Herramientas Ayuda						
_ws.col.protocol == "0xfe68"						
No.	Time	Source	Destination	Protocol	Length	Info
129864	1502.214119	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
129912	1505.221284	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
129913	1505.221284	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
129914	1505.221284	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
129940	1508.228783	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
129941	1508.228783	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
129942	1508.228783	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
129999	1511.236176	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
130000	1511.236176	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
130001	1511.236329	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
130095	1514.243650	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
130096	1514.243650	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
130097	1514.243650	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
130121	1517.251247	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
130122	1517.251266	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
130123	1517.251290	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
130133	1520.259221	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
130134	1520.259221	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
130135	1520.259221	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
130138	1523.267604	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
130139	1523.267604	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
130140	1523.267604	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
130155	1526.274227	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II
130156	1526.274227	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	102	Ethernet II
130157	1526.274227	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	180	Ethernet II
130228	1529.281271	liveboxfibra	Spanning-tree-(for-bridges)_ef:03:fe	0xfe68	111	Ethernet II

El protocolo 0xfe68 es un protocolo de comunicaciones real, no documentado (no encuentro nada sobre el por el momento), que comunica mi router liveboxfibra con otro dispositivo denominado Spanning-tree-(for-bridges) con una dirección MAC 01:80:c2:ef:03:fe.

Para encontrar algo de información sobre la dirección MAC, que tampoco se encuentra nada, hay que irse al Comité de Estándares IEEE 802 LAN/MAN, localizar el archivo [admin-jeffree-standard-group-mac-address-assignments-0307.pdf](#) y ubicarla en su rango correspondiente.

01-80-C2-00-03-00	to	01-80-C2-FF-FF-FF
	unassigned	

Es decir, no está asignada a ningún dispositivo. Sin embargo, el router no para de realizar conexiones a la misma constantemente.

En los paquetes, siempre están los caracteres “OSP”. Y siempre en la misma posición

0000	01 80 c2 ef 03 fe 30 b1 b5 04 fb 8f fe 68 03 03	0.h..
0010	04 85 c4 c8 00 c0 01 80 c2 ef 03 fe 30 b1 b5 04	0...
0020	fb 8e 0d 4f 53 50 03 03 0e 85 c4 c8 00 c0 f9 8c	...OSP... ..
0030	f2 ad 68 38 a9 f1 33 7c ef 2c f7 d7 80 2b 73 57	..h8..3 ., ...+sW
0040	42 90 a9 f1 33 7c ef 2c f7 d7 80 2b 73 57 42 90	B...3 ., ...+sWB.
0050	a9 f1 33 7c ef 2c f7 d7 80 2b 73 57 42 90 a9 f1	..3 ., ...+sWB...
0060	33 7c ef 2c f7 d7 80 2b 73 57 42 90 a9 f1 33 7c	3 ., ...+ sWB...3
0070	ef 2c f7 d7 80 2b 73 57 42 90 a9 f1 33 7c ef 2c	., ...+sW B...3 .,
0080	f7 d7 80 2b 73 57 42 90 a9 f1 33 7c ee 82 35 ee	...+sWB. ...3 ...5.
0090	9a 90 e9 19 a0 2e 03 7b d5 da de b5 33 7e 52 19	{3~R.
00a0	c1 b4 05 87 92 97 c9 74 42 ed 4f ae 15 b5 db a3	t B.O.....
00b0	b0 e8 f5 11	

Spanning-tree-for bridges es para Wireshark el [STP Protocol](#). En su página indica que sería una actividad propia del router.

Broadcom NetXtreme Gigabit Ethernet Driver (Microsoft's Packet Scheduler) - Wireshark

Filter: stp Expression... Clear Apply

No.	Time	Source	Destination	Protocol	Info
32	1.393547	Cisco_1c:40:18	Spanning-tree-(for-bridges)_00	STP	Conf. Root = 8192/1/50:3d:e5:9f:d1:c0 Cost = 12 Port = 0x8018
33	1.393572	Cisco_1c:40:18	PVST+	STP	Conf. Root = 8192/1/50:3d:e5:9f:d1:c0 Cost = 12 Port = 0x8018
35	1.426123	Cisco_1c:40:18	PVST+	STP	Conf. Root = 8192/300/50:3d:e5:9f:d1:c0 Cost = 12 Port = 0x8018
78	3.390958	Cisco_1c:40:18	Spanning-tree-(for-bridges)_00	STP	Conf. Root = 8192/1/50:3d:e5:9f:d1:c0 Cost = 12 Port = 0x8018
79	3.390980	Cisco_1c:40:18	PVST+	STP	Conf. Root = 8192/1/50:3d:e5:9f:d1:c0 Cost = 12 Port = 0x8018
80	3.412186	Cisco_1c:40:18	PVST+	STP	Conf. Root = 8192/300/50:3d:e5:9f:d1:c0 Cost = 12 Port = 0x8018

Frame 32: 60 bytes on wire (480 bits), 60 bytes captured (480 bits)

IEEE 802.3 Ethernet

Logical-Link Control

Spanning Tree Protocol

Protocol Identifier: Spanning Tree Protocol (0x0000)

Protocol Version Identifier: Spanning Tree (0)

BPDU Type: Configuration (0x00)

BPDU flags: 0x00

Root Identifier: 8192 / 1 / 50:3d:e5:9f:d1:c0

Root Path Cost: 12

Bridge Identifier: 32768 / 1 / 00:1a:a2:1c:40:00

Port identifier: 0x8018

Message Age: 3

Max Age: 20

Hello Time: 2

Forward Delay: 15

0000 01 80 c2 00 00 00 00 1a a2 1c 40 18 00 26 42 42@...&BB

0010 03 00 00 00 00 00 20 01 50 3d e5 9f d1 c0 00 00P=.....

0020 00 0c 80 01 00 1a a2 1c 40 00 80 18 03 00 14 00@.....

0030 02 00 0f 00 00 00 00 00 00 00 00 00 00

Text item (text), 8 bytes Packets: 128 Displayed: 6 Marked: 0 Dropped: 0 Profile: Default

En principio. Y dada la reiteración, sería eso. Lo extraño es que la dimensión de esos paquetes es muy pequeña. Y la de estos es muchísimo mayor. Es muy posible que, por la negabilidad, se pueda estar utilizando el STP propio del router y sumarle al mismo mensajes de esta gente, pasando así completamente inadvertidos para todo el mundo.

Fuentes:

- <https://eipnet.net/index.php/2023/12/20/the-ieee-802-lan-man-standards-committee/>

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