

802.1 Interim meeting at Austin, Texas, August 31st 1998

Minutes taken by John Messenger (<mailto:jmesseng@madge.com>)

The group met from 1pm until 4pm.

Agenda

- Additions to 802.1Q for VLAN Classification by Protocol and Port
- Multiple Spanning trees for 802.1Q
- Any Other Business

Attendees

Tony Jeffree
Alan Chambers
Vipin Jain
Mick Seaman
John L Hill
Norm Finn
Hadriel Kaplan
Shashanc Merchant
Bob Williams
Paul Congdon
Anil Rijsinghani
Andrew Smith
Keith Klamm
Simon Knee
John L Messenger
Hesham ElBakoury (<mailto:hesham@baynetworks.com>)
David Delaney

Additions to 802.1Q for VLAN Classification by Protocol and Port

David Delaney presented his proposal "Proposed Changes to 802.1Q Draft 10 to Introduce VLAN Classification by Port and Protocol".

- One default PVID for each protocol for each port.
- Mick Seaman and Norm Finn want a simple enumeration list - Norm wants avoid giving the hook to the user to group the protocols. Doesn't want the management language to be rich enough to specify things that the hardware won't in fact support. One proposal was a classification like "IP", (covers 0800, 0806, Snap or not, etc), "IPX", etc. Wants less enumeration values than possible combinations of header fields. Someone else thinks that sending SNAP-encoded IP over a different VLAN than Ethertype IP is a good idea because it's likely to have a different MTU.
- Mick Seaman wants the enumeration of protocol groups to support the move of most future networks to IP (so IP becomes the default).
- Andrew Smith doesn't want to create a new registry, nor to flatten the layering to an enumeration type.

Scope

It was felt inappropriate to include the solution in the scope. Also, wrong to talk about multiple PVIDs. The name PPVID was suggested, for per-protocol VLAN identifiers. The last part of the Scope was rewritten as follows:

"This project will develop a revision to 802.1Q to specify optional additional classification rules per port based on protocol (as designated in the frame by 802 family protocol identifiers) in the received untagged frames. The project will consider compatibility and interoperability with existing 802.1Q bridges."

Purpose

Good as written.

Five criteria

These were wordsmithed.

Action

By consensus, the group decided to have David Delaney clean up the PAR and 5 criteria for pre-submittal to SEC at least 30 days prior to the November plenary meeting. Committee votes on the PAR and five criteria will be held in the 802.1 plenary meeting in November.

Multiple Spanning trees for 802.1Q

Summary of main points from La Jolla

- One FID (filtering database) per spanning tree
- BPDUs for a FID will be tagged with one of the VID's from the FID (deterministic choice).
- New standardised group MAC address for VLAN-tagged BPDUs (forwarded by legacy equipment but not by these bridges). Create a block of such addresses (16).
- Classic untagged spanning tree runs on (by default) VLAN 1's FID.
- Delays: explore options for not extending delays when dynamically adding VLANs.
- GVRP/GARP "can be made to work simply and effectively" - proposal expected from Michael Smith, Cisco.

Action Plan

Alan Chambers will prepare a first rough draft for distribution before the November meeting. Proposed editor is Alan Chambers.

Any Other Business

No formal documents for Q or D errata.

Adjournment

The meeting was adjourned at 4pm.