Data Link Switching (DLSw) BOF

29th IETF - Seattle, Washington

aiw-dlsw-request@ibmstandards.cary.ibm.com

Chair: Louise Herndon Wells, ITI (lhwells@cup.portal.com)
Editor: Alan Bartky, Sync Research (alan@sync.com)
Vice Chair: Shannon Nix, Metaplex (snix@metaplex.com)

Agenda

Review Agenda

Technical Overview

- Work to Date
- Consensus Items
- Open Issues

Relationship to Other Work

Discuss Change Control Procedures

Draft IETF Charter

Technical Overview

Capabilities Exchange Riglet (aiw-dlsw-capabilities@...)

Wayne Clark, cisco

Connect Riglet (aiw-dlsw-connect@...)

Steve Klein, IBM

Flow Control Riglet (aiw-dlsw-flowcontrol@...)

Shannon Nix, Metaplex

Loop Prevention Riglet (aiw-dlsw-loop@...)

Choon Lee, 3Com

DLSw MIB Riglet (aiw-dlsw-mib@...)

Peter Gayek, IBM

Priority / COS Riglet (aiw-dlsw-priority@...)

Gene Cox, IBM

Conformance Riglet (aiw-dlsw-conformance@...)

Relationship to Other Work

RFCs 1001 and 1002 - NetBIOS over TCP/IP

Change Control Issues

IETF - DLSw Charter

Elements of the Charter

- Describe Scope of Work and Goals
- Describe Mail Exploder
- Describe Meeting Forums
  - Access to AIW
  - IETF Meetings
- Describe Document Archival
- Identify Chair(s)/Editor
- Relationship to Other Work
- Change Control
- Milestones
  - Post Internet Draft
  - Reach Consensus on I-D
  - Request Proposed Standard Status

Flow Control Riglet

Problem We Are Solving

Protocol mechanism to which allows an implementation to exert˝flow control on a per-circuit basis.

Consensus

Based on proposal by Peter Gayek, IBM (2/22/94)

Adaptive Pacing Window

Receiver Controlled

Initial Window Size Negotiated

Reset Window Mechanism (to zero)

F/C on Circuit Basis Only (not transport)

Issues

No Feedback on Network Delay

Initial Window Granted Immediately???

5. IETF Standards Process

We discussed the benefits, risks, and costs of taking our DLSw standard to the IETF as well as timing considerations. After considerable discussion, we reached the following agreements.

Consensus:

We intend to propose our completed AIW DLSw standard to the IETF to be also accepted as an Internet standard.

Consensus:

To shorten the time between our completion and the IETF completion, we will request a BOF session at the March IETF. Because attendance at the BOF is one of the criteria used by the˝IETF to determine whether to approve a working group, we request that˝as many DLSw participant companies as possible send a˝representative to this BOF.

Consensus:

The AIW is the standard development body for the DLSw standard. An IETF standard is being pursued as an additional industry˝benefit. The standard developed by the AIW DLSw RIG is the document submitted to the IETF for its approval. The DLSw RIG AIW meetings are, simultaneously, the IETF working group meetings. These meetings are open to all interested parties. The AIW DLSw mail exploder is, simultaneously, the IETF electronic mail˝forum. Participation in the mail exploder is open to all interested˝parties. The AIW DLSw RIG is the only group authorized to change the document. This is similar to the relationship between the ATM Forum and the IETF, and between the Frame Relay Forum and the IETF. The only change we are aware that this will create in the˝AIW standard development process is that IETF members as well as˝AIW members would be able to make submissions for DLSw.

Consensus:

The AIW DLSw RIG chair, Louise Herndon Wells, will also be the IETF DLSw working group chair. The AIW DLSw RIG editor, Alan Bartky, will also be the IETF DLSw working group editor.˝Shannon Nix was selected as the DLSw vice-chair and will manage the DLSw process at the IETF meetings that Louise Herndon Wells is unable˝to attend. At the full IETF meetings, a subset of AIW DLSw RIG participants will manage the IETF standard process, propose the˝AIW DLSw RIG documents, and bring back to the DLSw mail exploder or next AIW meeting any feedback from the IETF organization.