VLAN Classes

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Rising Star Research
K. Karl Shimada
kkarl@netcom.com
Classes of VLANs

- **Class I - Port Switching**
  - Provides for the grouping of ports on a LAN switch
Classes of VLANs

- **Class II - Inter-Switch**
  - Class I + allows VLAN groups to span multiple switches; switch-to-switch trunks are either switched or shared
Classes of VLANs

- **Class III - MAC-based**
  - Class II + allows VLANs to be defined by MAC address
Classes of VLANs

- **Class IV - Protocol**
  - Class III + allows VLAN groups to be defined based on network operating system protocol
Classes of VLANs

- **Class V - ATM**
  - Class II, III or IV + allows VLANs to transparently use ATM switch links that support ATM LAN Emulation
Protocol Stack / VLAN Scope

IEEE Project 802 Scope

Class I

Class II

Class III

Class IV

Class V

IETF

ATM

Higher

Adaptation

ATM

Physical

Physical Link

Data Link

Network

Transport

Session

Presentation

Application