nexus

Nexus VCOM Introduction -Purpose

VCOM Introduction –Purpose

The main purpose for VCOM is to provide services for program-to-program communication for distributed application systems

VCOM Introduction -Background

- Different Operating System
- Different Network technologies
- Different Terminology

AS/400

MVS

Windows

Linux

VMS

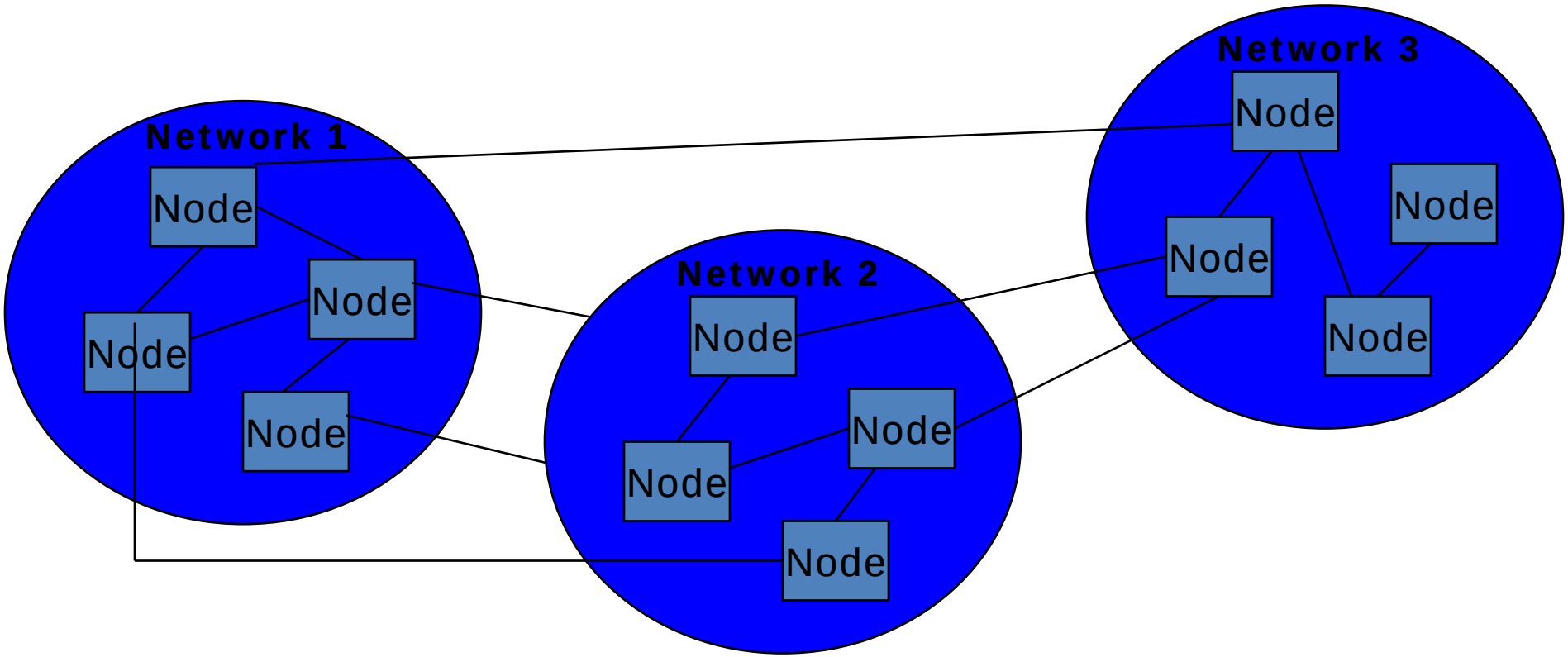
TCP/IP

DECNET

APPC

VCOM Introduction – VCOM Network

- Several VCOM nodes can be grouped together into one logical network
- One node can only belong to one VCOM network

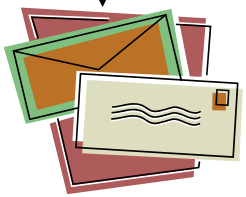


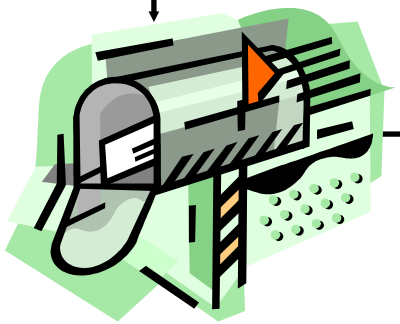
VCOM Introduction – Types of Messages

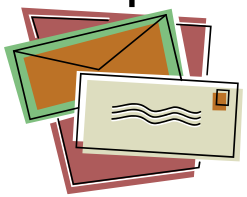
- Distribution
  - Can be seen as a letter, asynchronous
  - No immediate contact between programs
  - VCOM will handle transmission errors

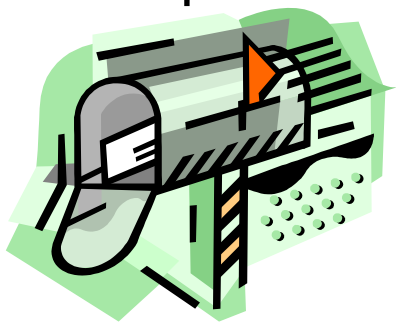
- Conversation
  - Telephone call, synchronous
  - Immediate contact between programs
  - All error handling is responsibility of system designer

VCOM Introduction - Distributions





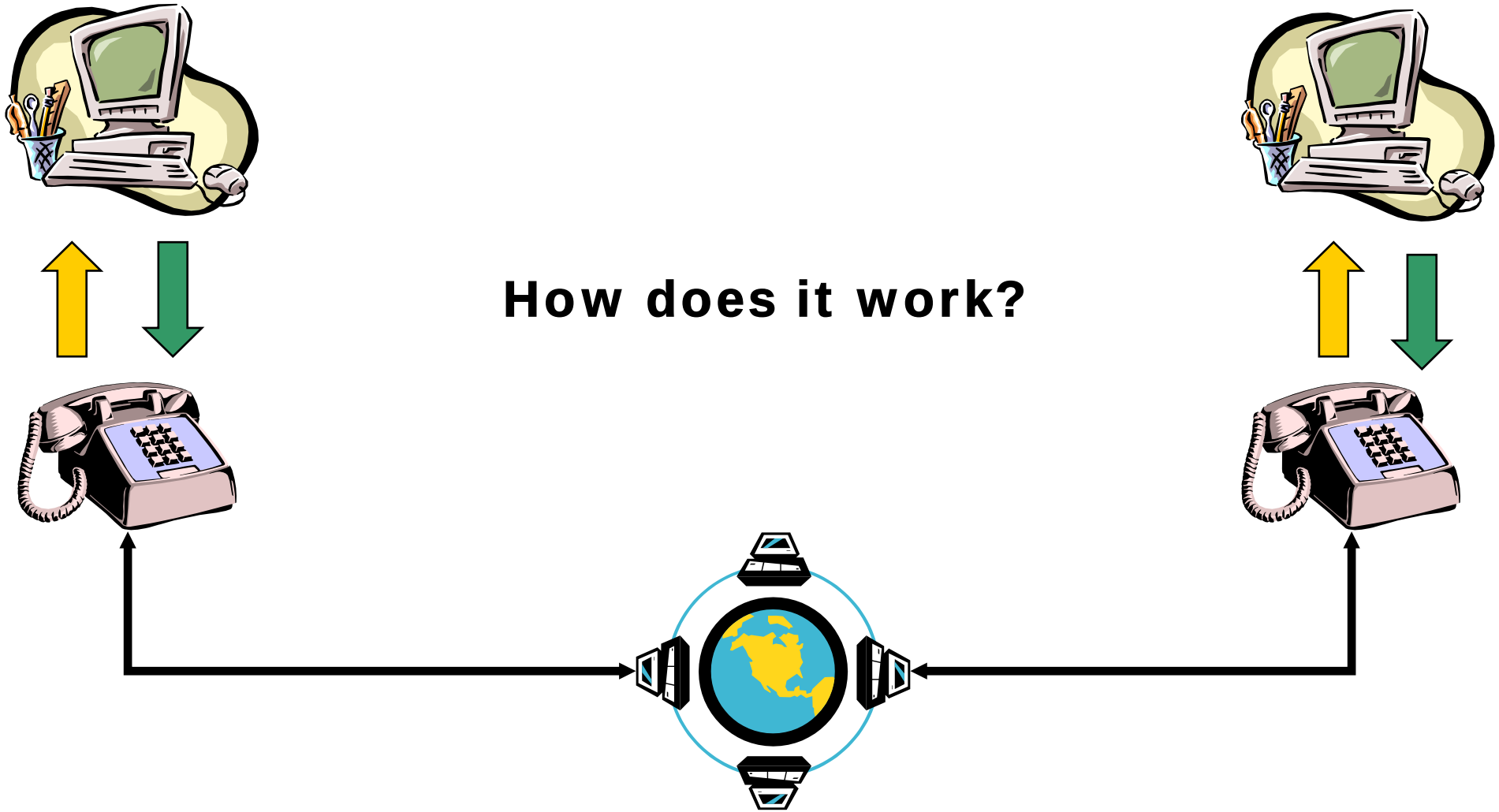




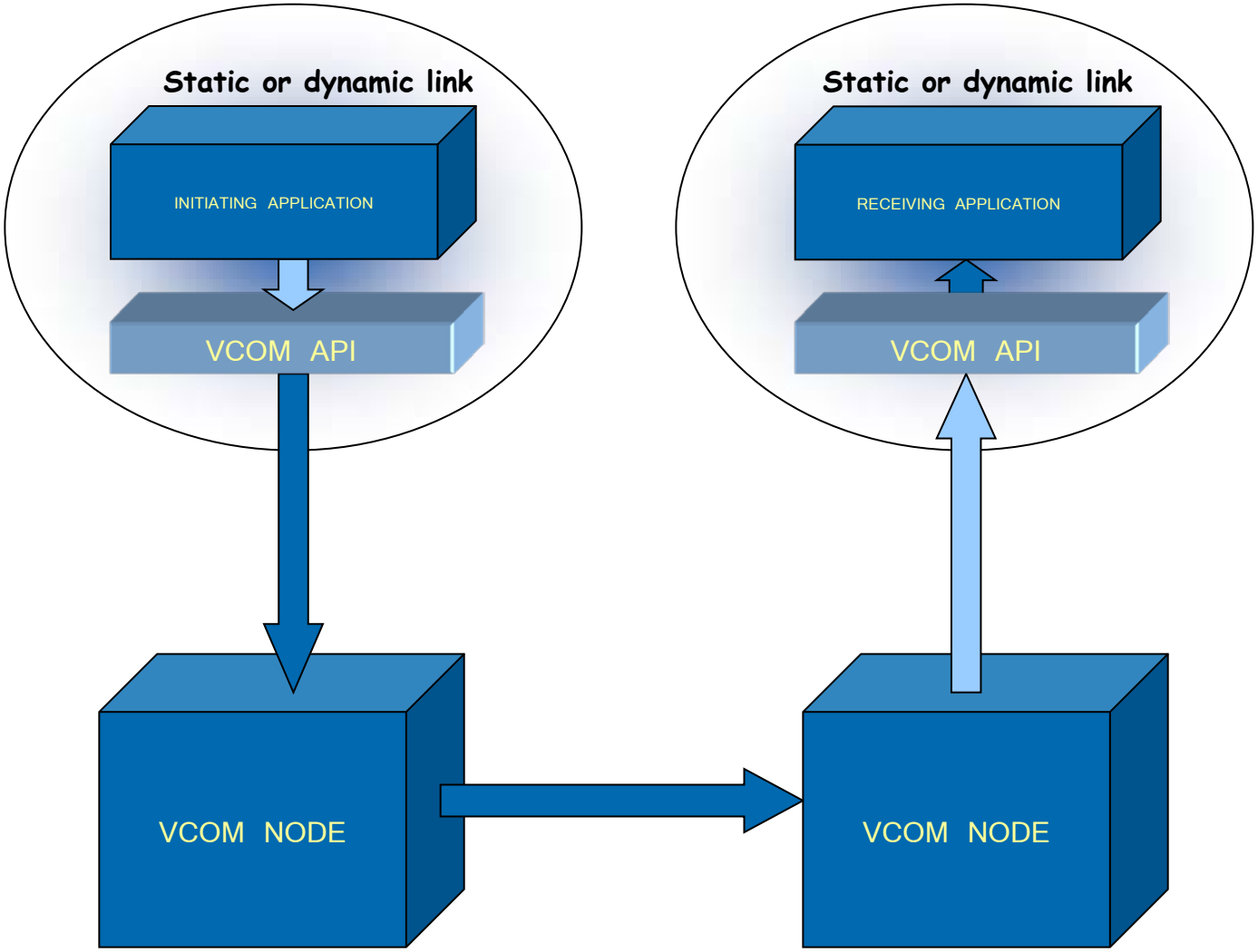
How does it work?

Distributions are one way communication

VCOM Introduction - Conversations



VCOM Introduction - Architecture

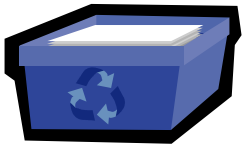


VCOM Introduction - Definitions

- **Partners**

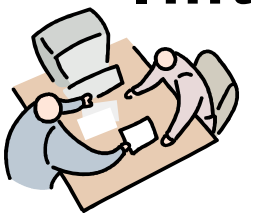
  - Unique within a VCOM node
  - The key to find the expediter, the receiver
  - Does not identify the initiating program
  - Always on the sending side

- **Expediters**



  - Identifies the responding program
  - Unique within a VCOM Network
  - Located on the receiving side

- **Initiators**



  - Identifies the initiating programs data code
  - Unique within a VCOM node.
  - Must be used in a transmission between different platforms

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