



# Distributed FCF

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# Distributed FCF

## Single Controlling FCF

- A single Controlling FCF is allowed
  - I/O traffic does not stop if the cFCF fails, unless cFCF resource(s) are required
  - Specify how cFCF and associated FDF(s) sync when cFCF is back online



# Controlling FCF

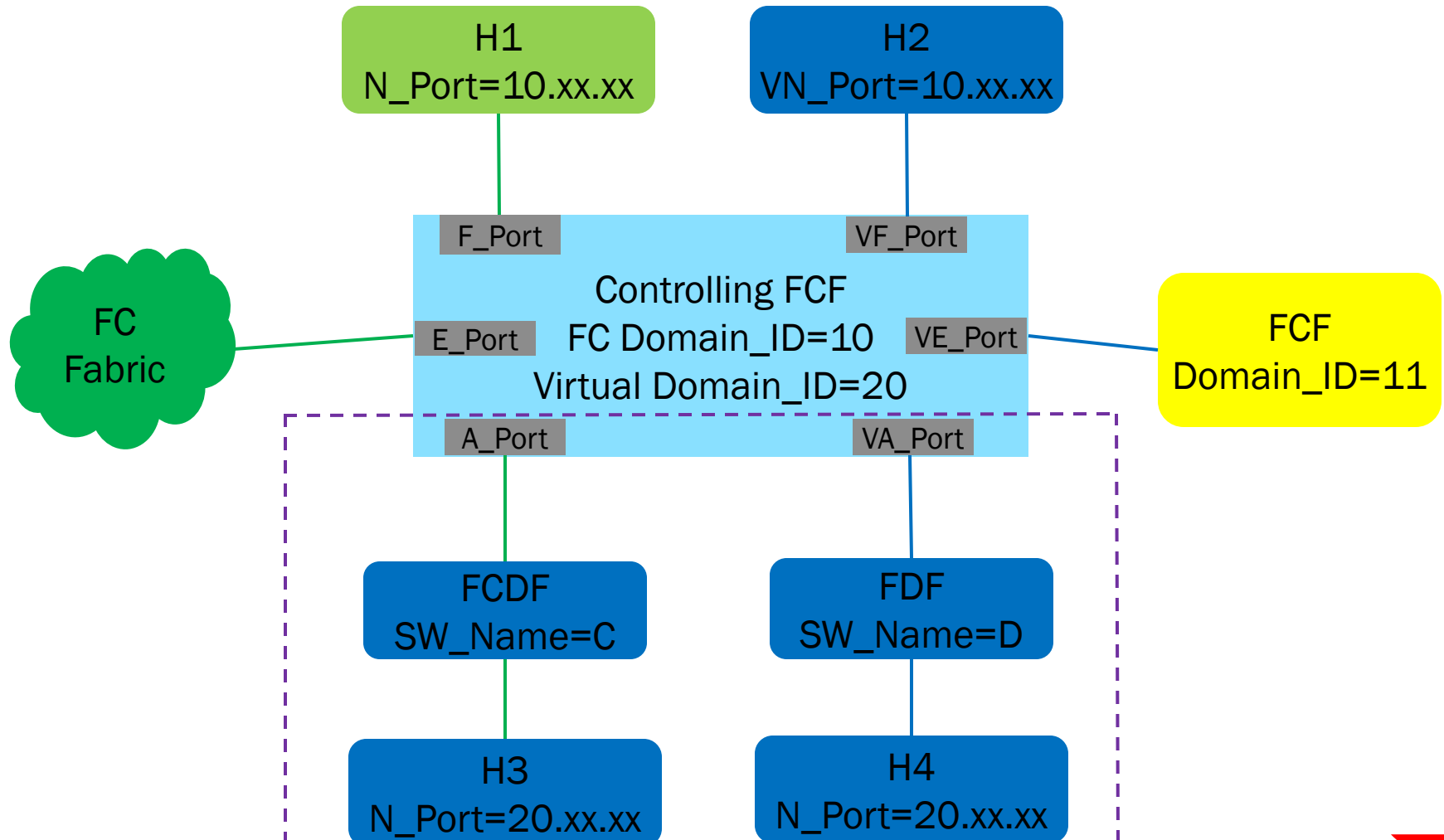
## Virtual Domain\_ID

- Virtual Domain\_ID is configurable
  - If VD\_ID cannot be allocated, then segment
  - Virtual Domain is still functional, user intervention required
- The N\_Port\_ID for ENodes/VN\_Ports connected to a Controlling FCF via an FDF has the Virtual Domain\_ID in the Domain\_ID field
- The N\_Port\_ID for Nx\_Ports directly connected to a Controlling FCF has the native FC Domain\_ID in the Domain\_ID field



# Controlling FCF

## Address Identifiers



# Controlling FCF

## “Augmented” VE\_Port

- Operate in Active/Active mode
- A normal VE\_Port is used for redundancy protocol
- Specify redundancy protocol using TLV payload(s)
  - Must operate across multiple VE\_Ports
  - Must support merge/split
  - Virtual Domain\_ID
  - FDF information
  - N\_Port\_ID and Zoning information
  - “Heartbeat” information
- S\_ID/D\_ID for FDRN, FDUN, NPZN = Fabric Controller (FFFFFDh) (*fixed in 11-026v1*)



# SW\_ILSs

- Use TLV for all new requests and responses
  - Provide request code in the response
- Ability to provide multiple Virtual Link(s)/N\_Port(s) vs single Virtual Link/N\_Port via Reachable and Unreachable?
  - Current text allows one N\_Port
- Virtual Link Cost field definition



# Questions

- What does it mean by “....used to negotiate a Virtual Domain\_ID ...” (see 1.8.1 p3 in 11-026v0 and 3.1 p3 in 11-026v1)?
- S\_ID and D\_ID for VA\_Port FIP ELP frame(s) = FFFFF9h
  - SW-5 specifies Fabric Controller FFFFFDh for ELP
- What is the F\_Port\_Name returned in the FLOGI LS\_ACC? FDF or cFCF?





**Thank You !**