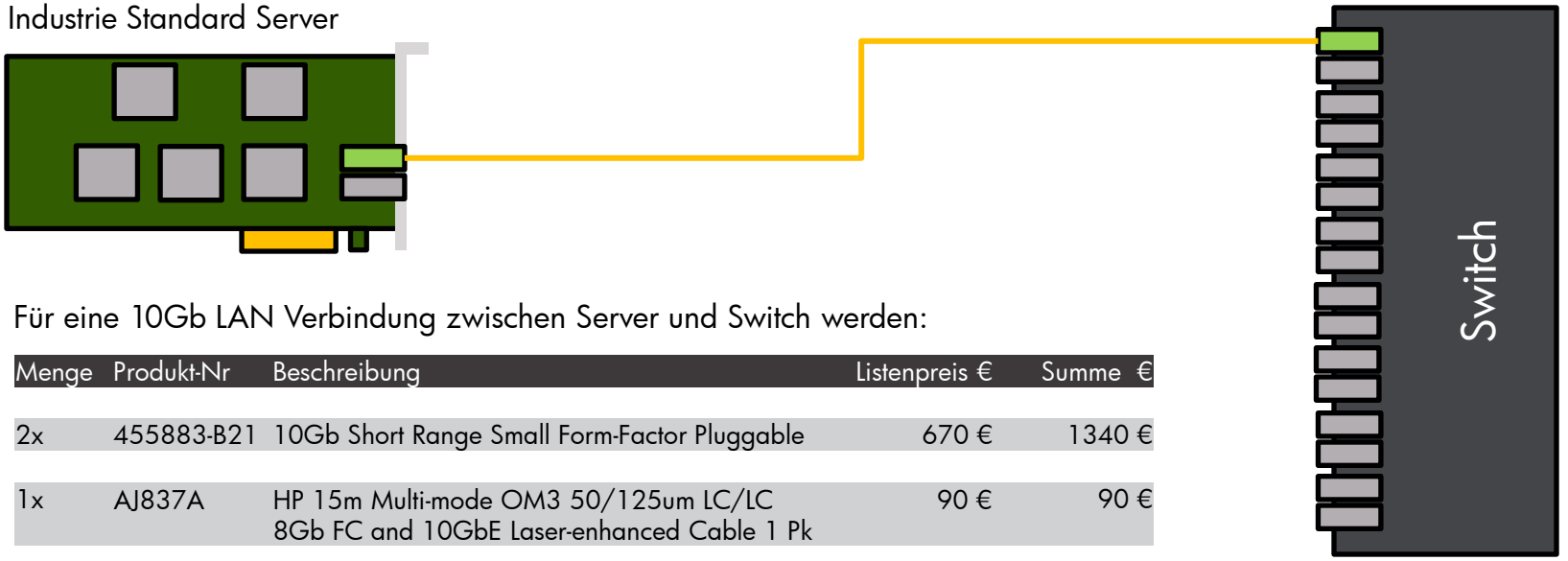
HP10 Gb Netzwerk

10Gb Netzwerk

Industrie Standard Server

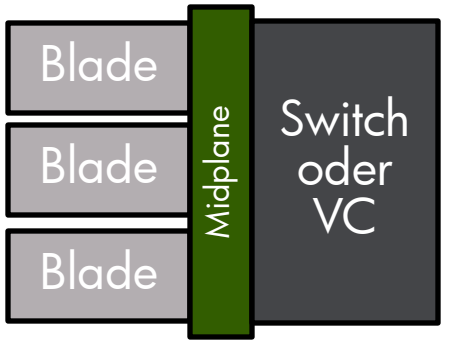


Für eine 10Gb LAN Verbindung zwischen Server und Switch werden:

Menge	Produkt-Nr	Beschreibung	Listenpreis €	Summe €
2x	455883-B21	10Gb Short Range Small Form-Factor Pluggable	670 €	1340 €
1x	AJ837A	HP 15m Multi-mode OM3 50/125um LC/LC 8Gb FC and 10GbE Laser-enhanced Cable 1 Pk	90 €	90 €

Blade Server

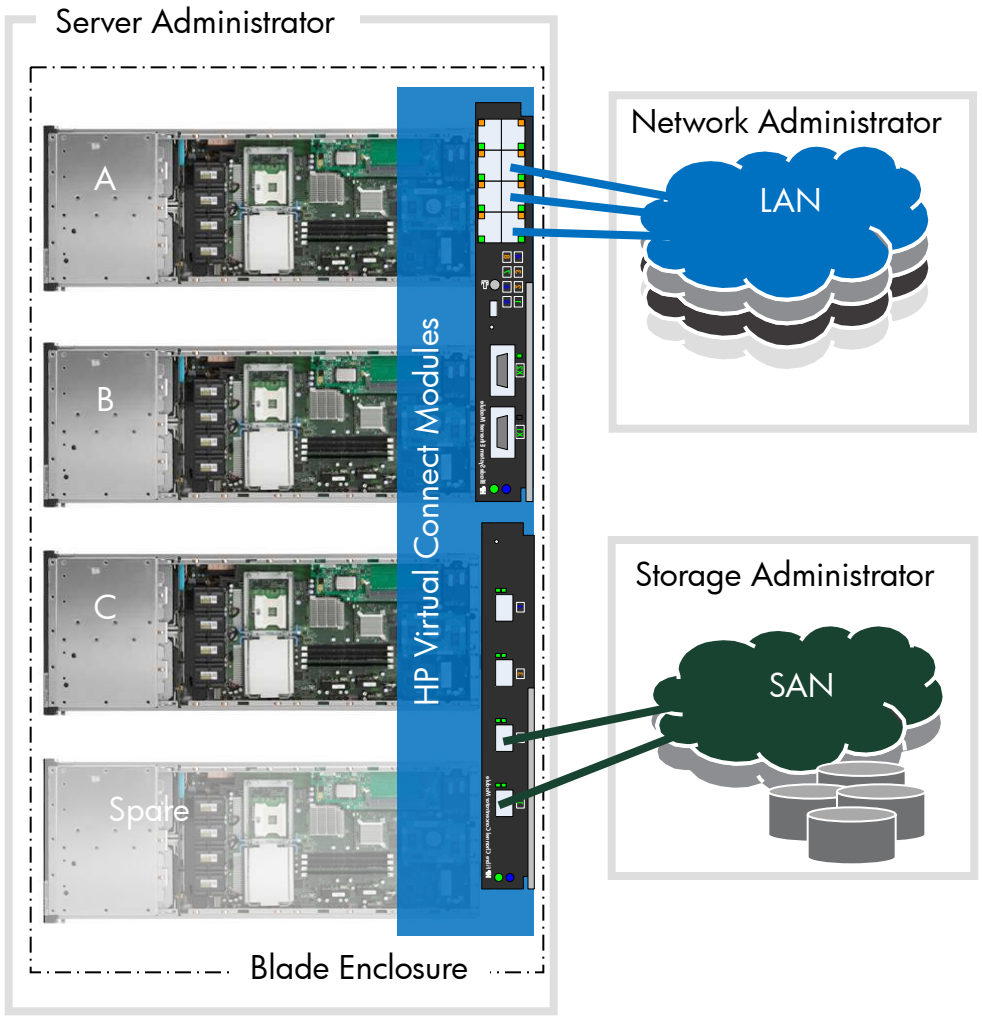
Bei den HP BladeSystemen **entfallen** diese Kosten, da die Midplane hier die Verbindung zwischen Server und Switch ist.



Ersparnis bei 32 LAN-Ports: 64 SFPs und 32 Kabel = 45.760 €

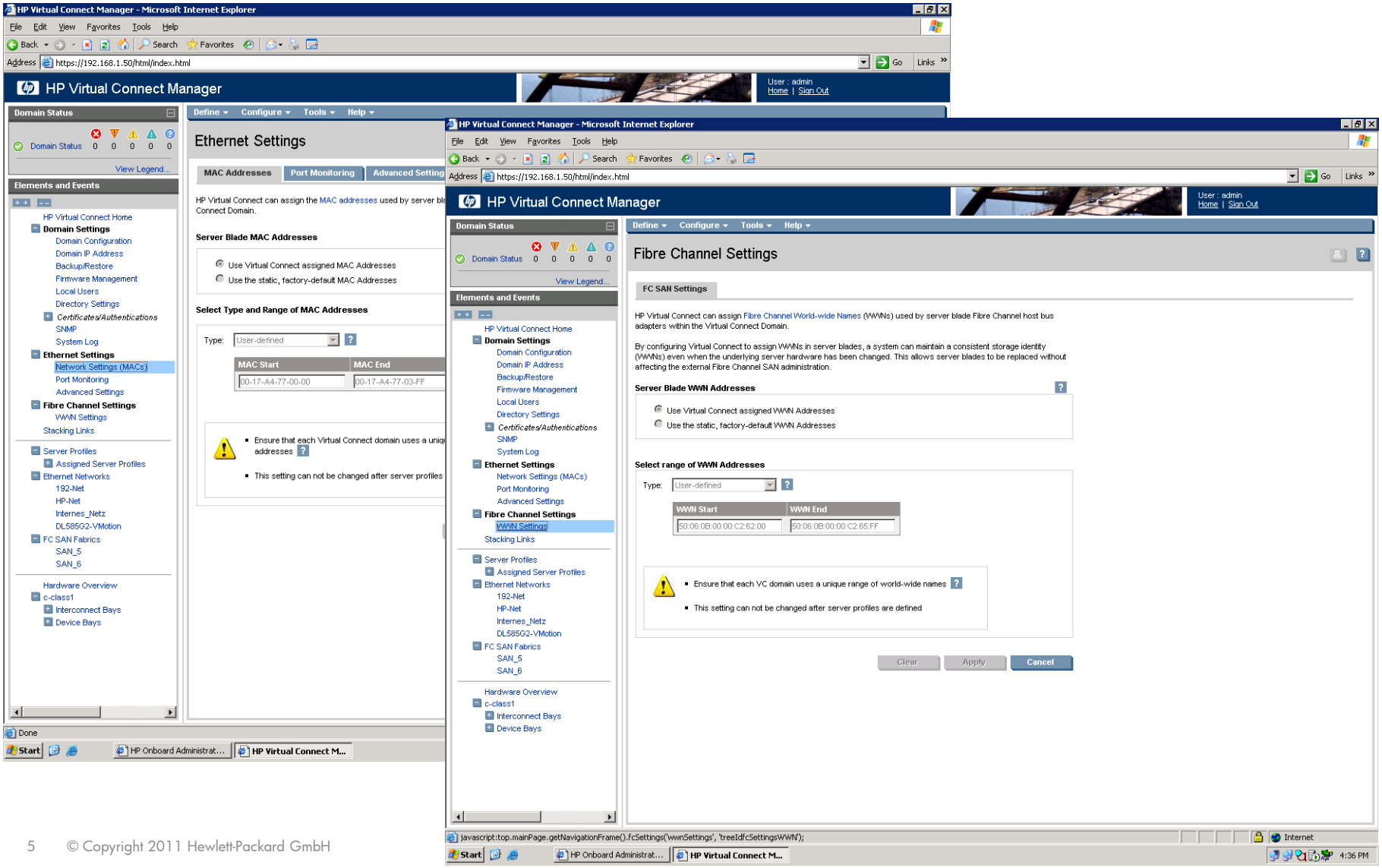
Virtual Connect

HP Virtual Connect

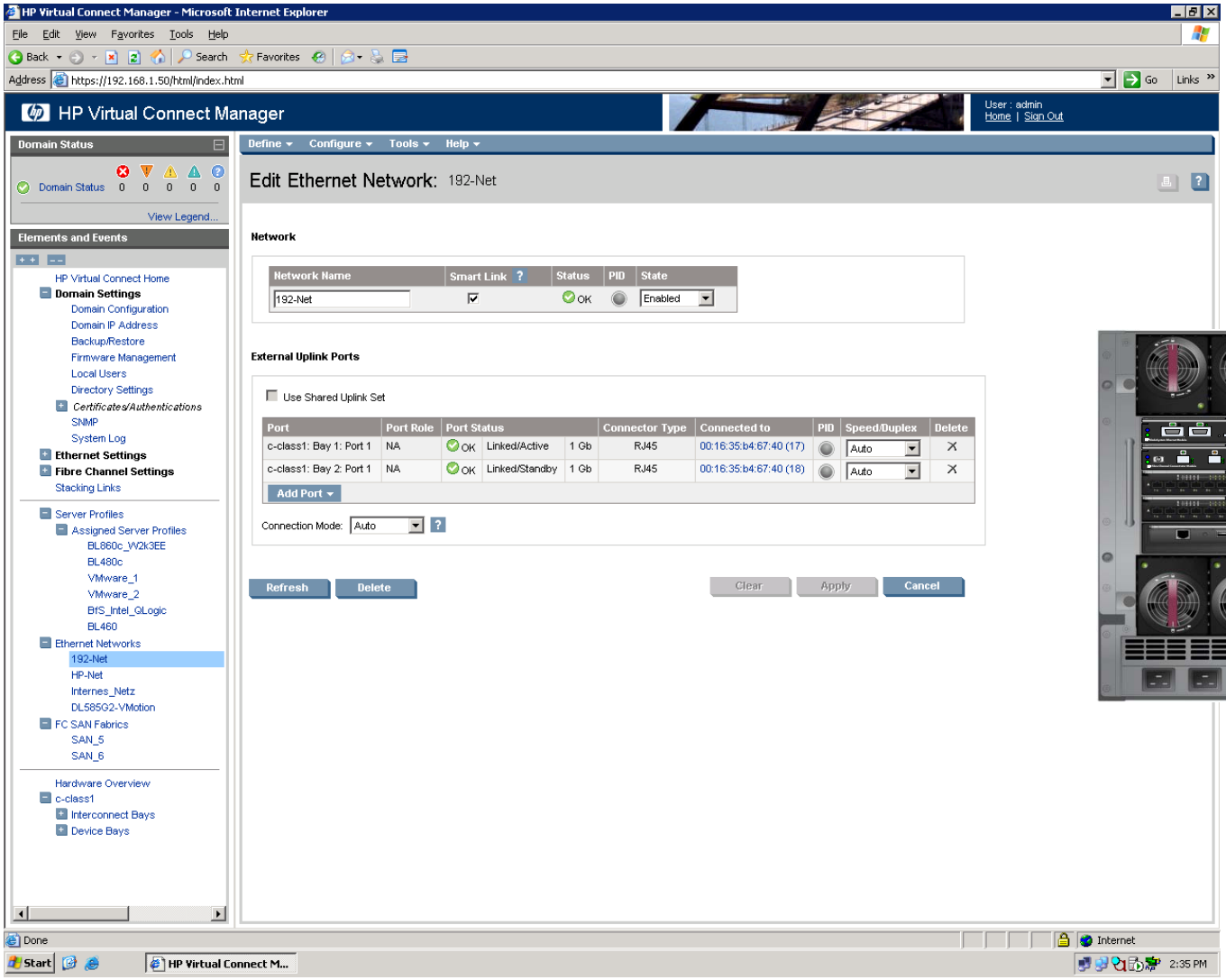


- Reduces cables without adding switches to manage
- No new FC domains
- Maintains end-to-end connections of your favorite brands (Cisco, Nortel, Brocade, McData, etc.)
- Cleanly separates Server from LAN & SAN
- Relieves LAN & SAN admins from server maintenance
- Servers are Change-Ready add, move, replace, upgrade without affecting LAN or SAN
  - MAC & WWN are locally administered so LAN & SAN connections stay constant
- Change servers when your business needs it, not when you can fit it into everyone's calendar

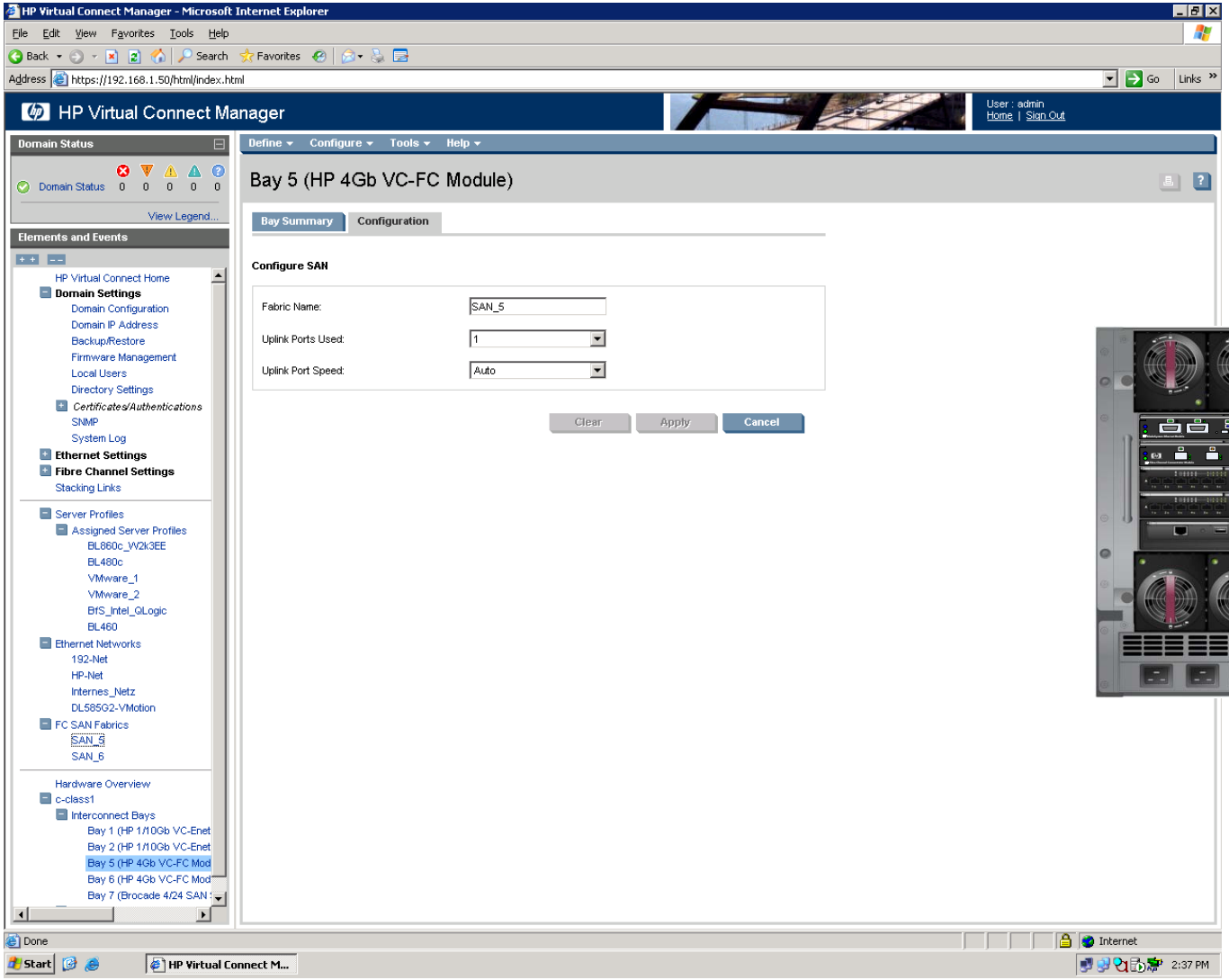
HP Virtual Connect - Domain



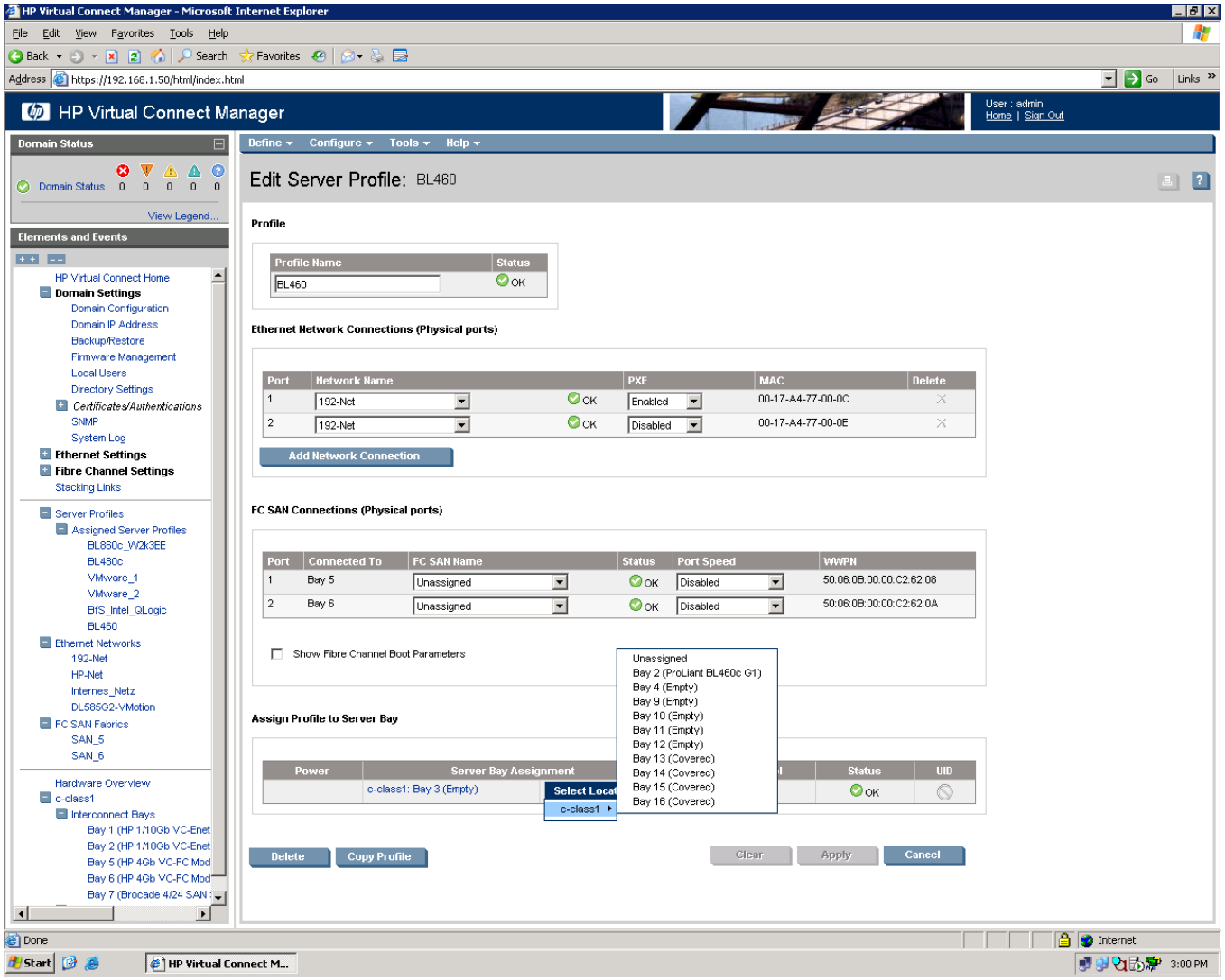
HP Virtual Connect - Network



HP Virtual Connect - SAN

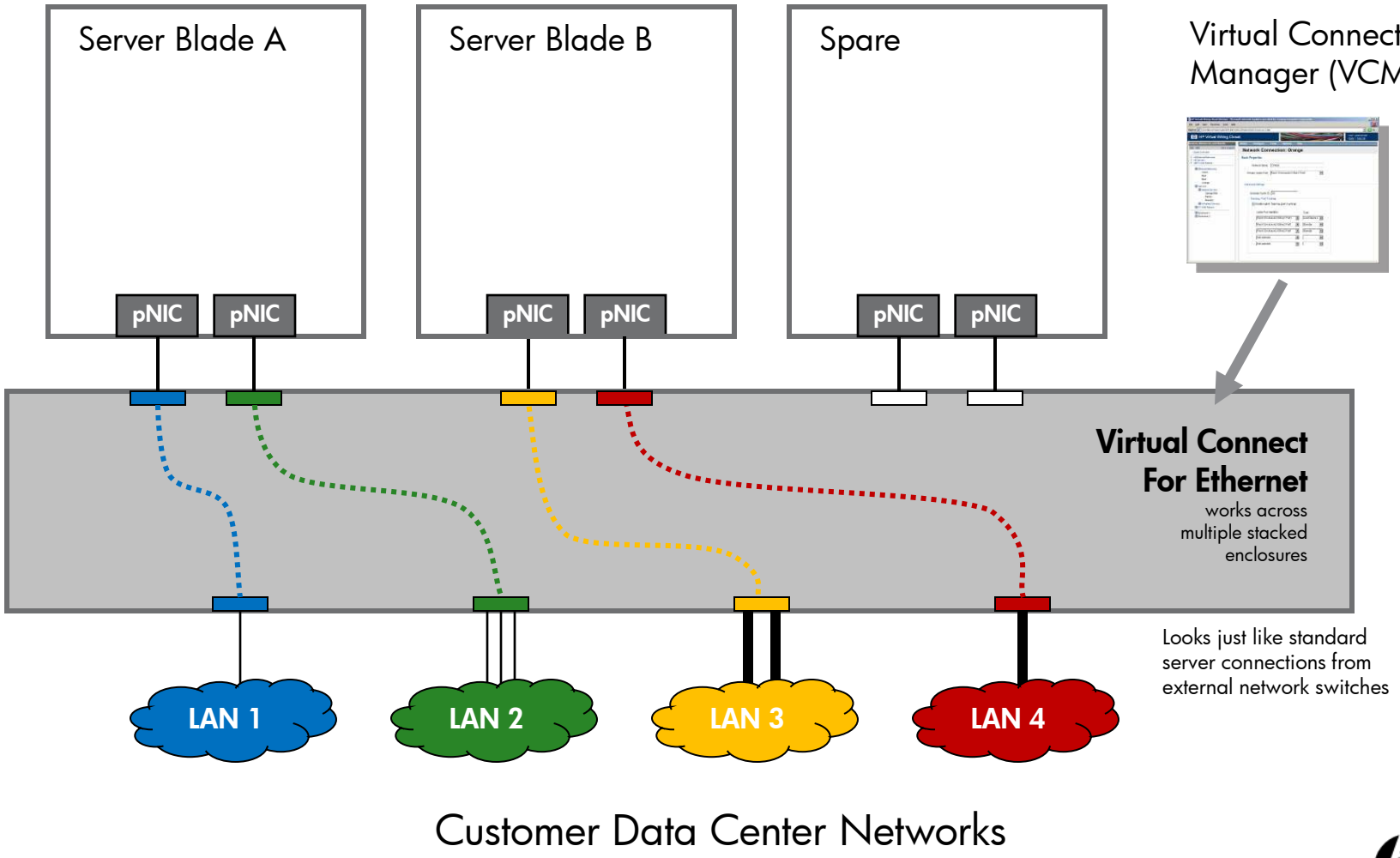


HP Virtual Connect – Server Profile



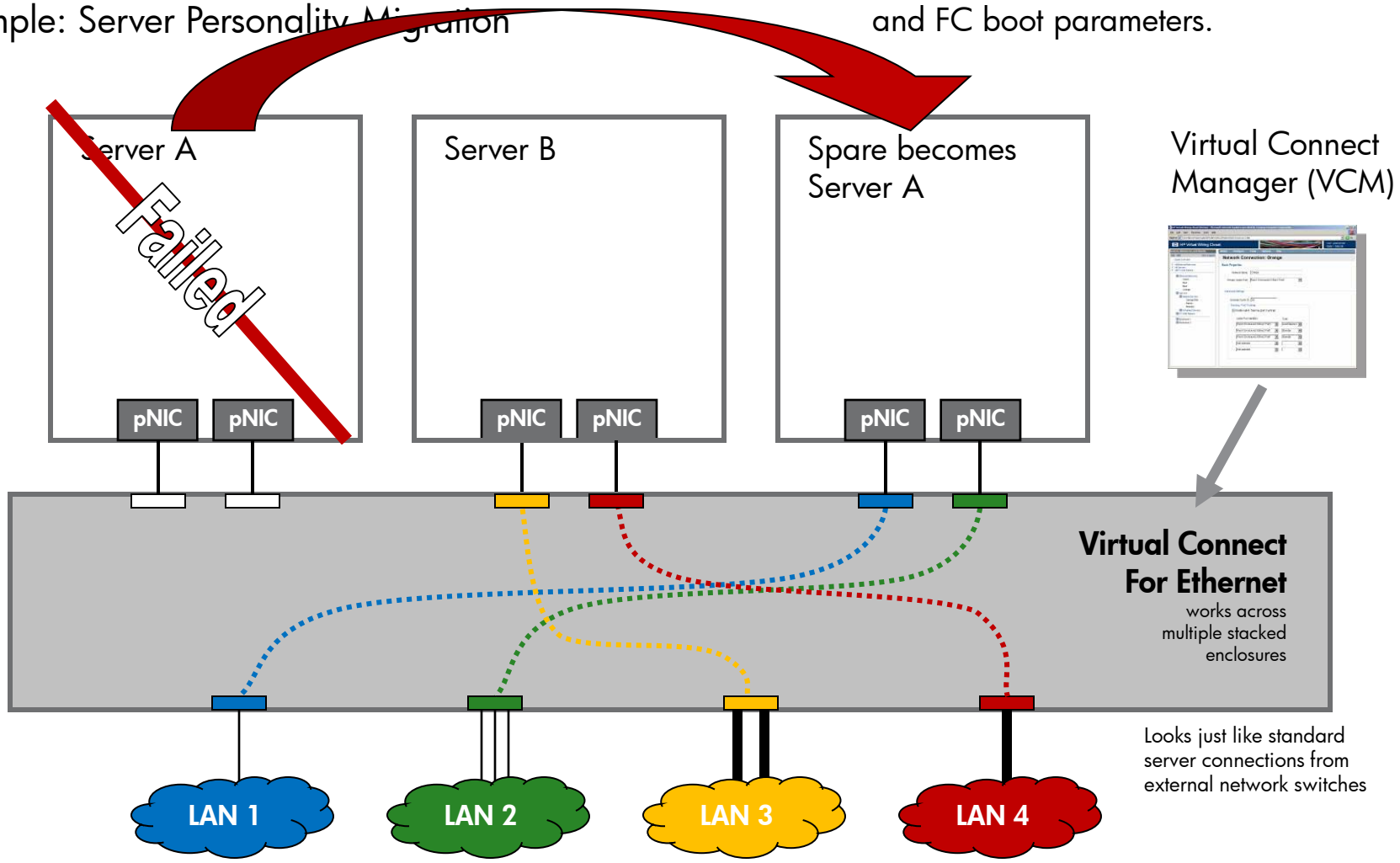
HP Virtual Connect Manager

Example: Server Personality Migration



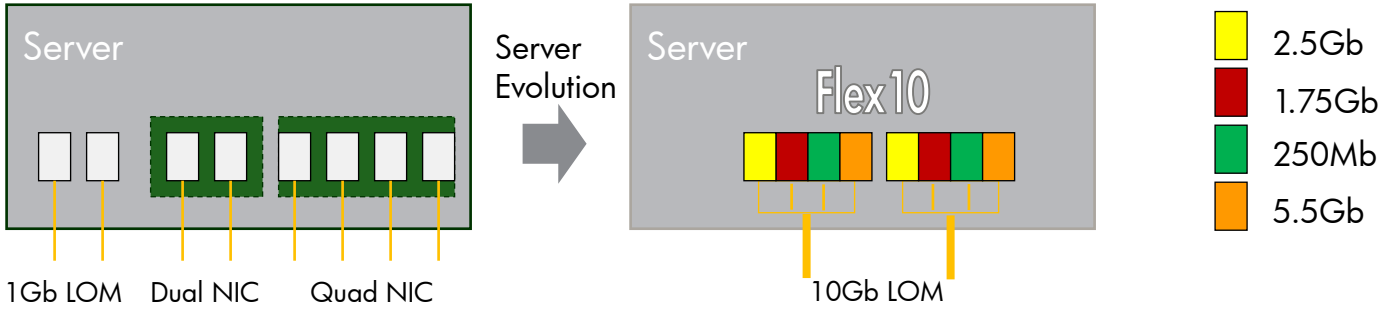
HP Virtual Connect Manager

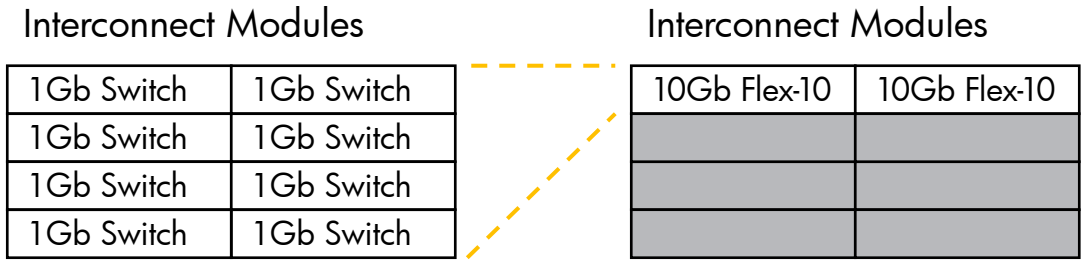
Example: Server Personality Migration



HP Flex-10 Technologie

- Intelligente Netzwerkkarte Flex-10 für HP BladeSysteme
  - eine 10 Gb Leitung kann in vier physikalisch getrennte Verbindung aufgeteilt werden
  - es werden nur 2 Flex-10 Virtual Connect Interconnects benötigt





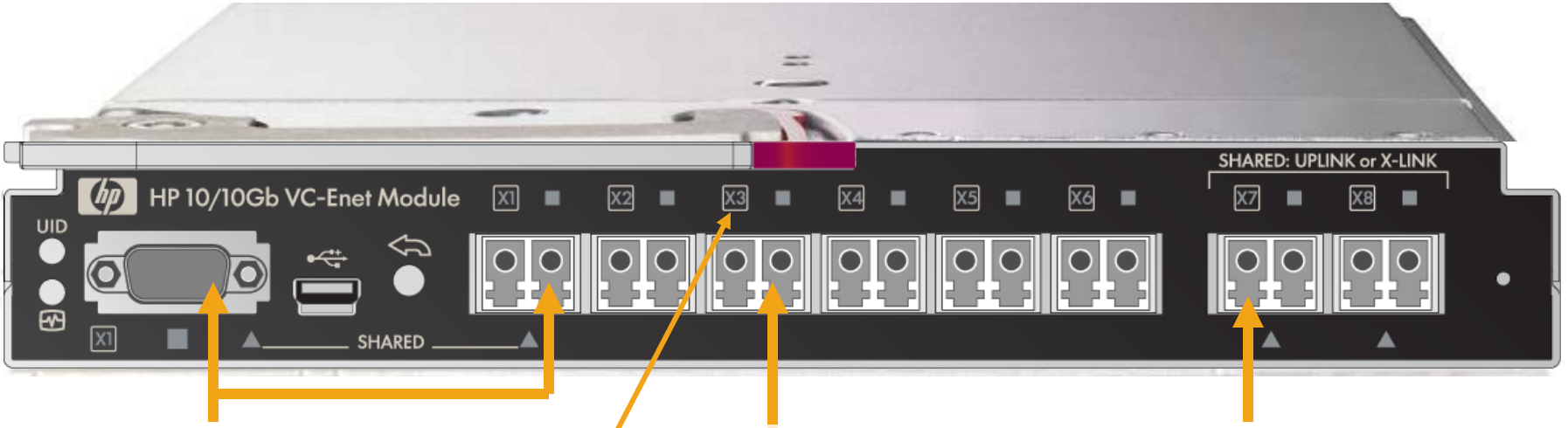
~600 Watt/h
Stromersparnis

Cisco 3120 47.480 € bis 72.320 €

Ersparnis ~70%

HP Flex-10 21.600 €

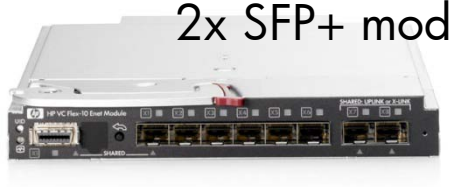
HP Virtual Connect Flex-10 10Gb Ethernet Module



1x 10GBASE-CX4 Ethernet or
1x SFP+ module (X1)

5x SFP+ modules (X2-6)
(1GbE or 10GbE)

2x Crosslinks (midplane)
or
2x SFP+ module (X7-8)



Port Number & Status Indicators

Indicates whether a data center link (green), stacking link (amber), or highlighted port (blue).

HP Virtual Connect 8Gb 24 Port FC Module

MidPlane

16x 8Gb FC – *Connects to one HBA port in each HH blade server bay*

Mgmt Interfaces to Onboard Administrator

SFP+ Transceivers
Qty 2 Included

Port LEDs
Link and Activity

Module LEDs
Health and UID

8x 2/4/8 Gb FC
Connects to data center Fibre Channel switches.

Port Number & Status Indicators
Indicates whether a port is configured (green) or highlighted (blue).

13

HP Virtual Connect FlexFabric

HP Virtual Connect Portfolio

4.800.000 VC ports shipped

New

Basic Ethernet and Fibre Channel connectivity	Consolidate Ethernet and iSCSI storage	Converge Ethernet and FC/iSCSI storage

Virtual Connect 1/10-F Ethernet Module

Virtual Connect Flex-10 10GbE Module

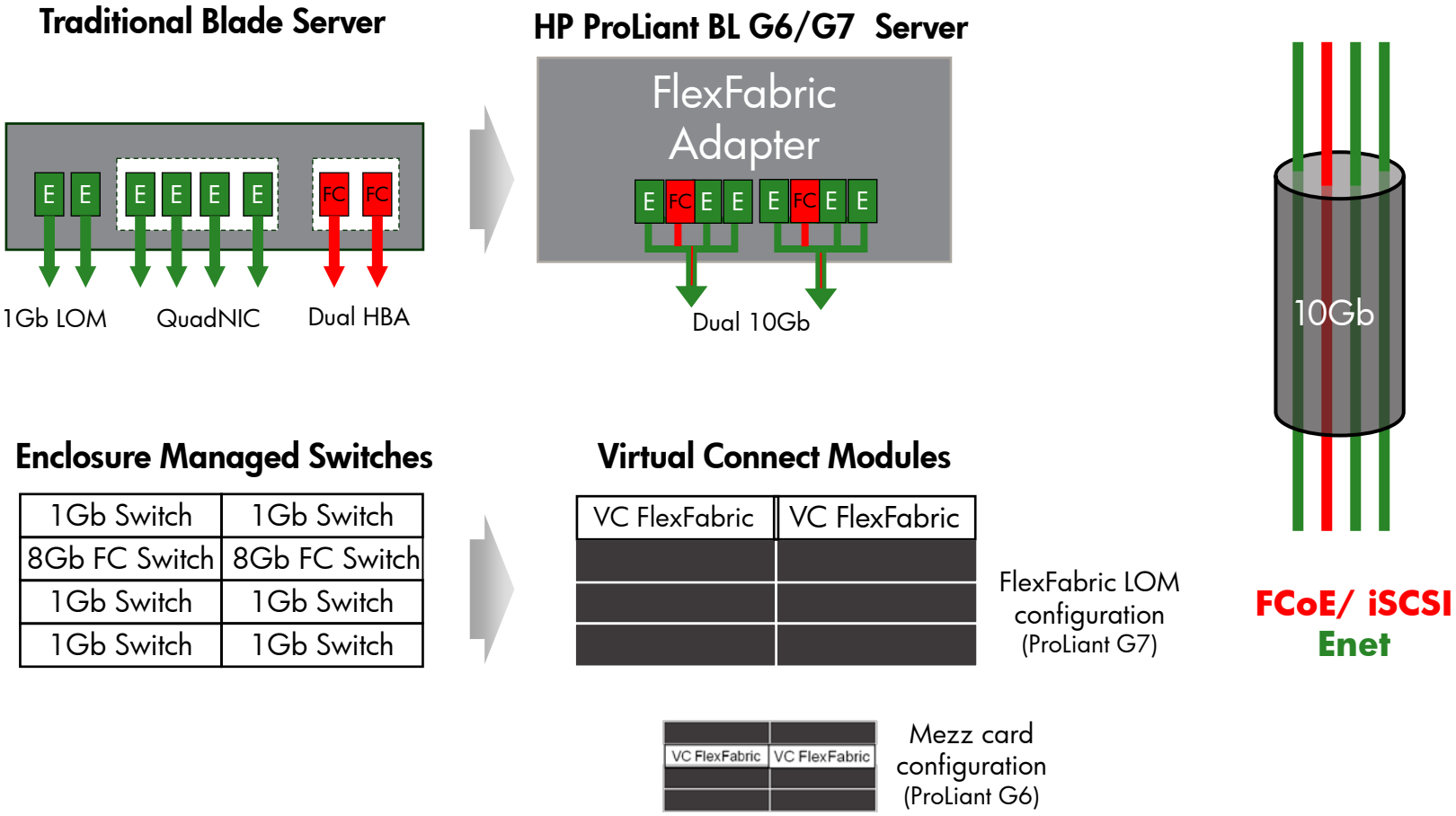
Virtual Connect FlexFabric 10Gb/24-port Module*

*c7000 enclosure support only

Virtual Connect 8Gb 24-port Fibre Channel Module

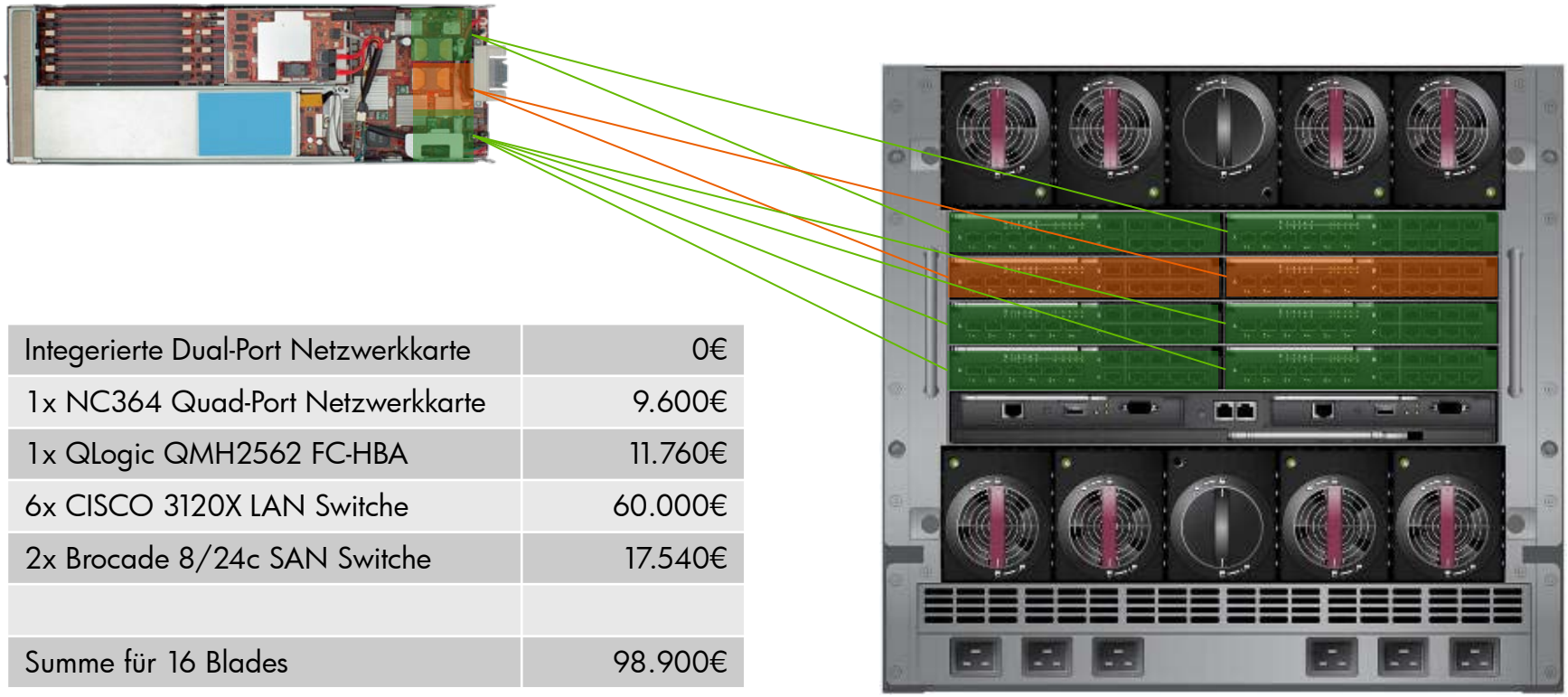
Virtual Connect 8Gb 20-port Fibre Channel Module

HP Virtual Connect FlexFabric



Netzwerk ohne Virtual Connect FlexFabric

16x Blades mit jeweils 6x LAN und 2x SAN Verbindungen

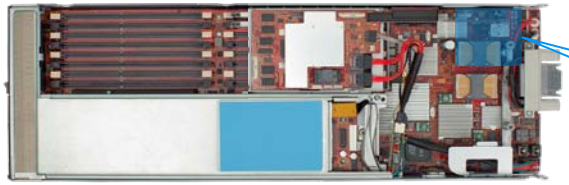


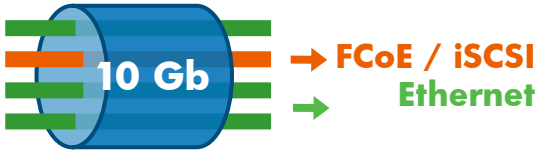
Integerierte Dual-Port Netzwerkkarte	0€
1x NC364 Quad-Port Netzwerkkarte	9.600€
1x QLogic QMH2562 FC-HBA	11.760€
6x CISCO 3120X LAN Switche	60.000€
2x Brocade 8/24c SAN Switche	17.540€
Summe für 16 Blades	98.900€

LAN SAN

Netzwerk mit Virtual Connect FlexFabric

16x Blades mit jeweils 6x LAN und 2x SAN Verbindungen



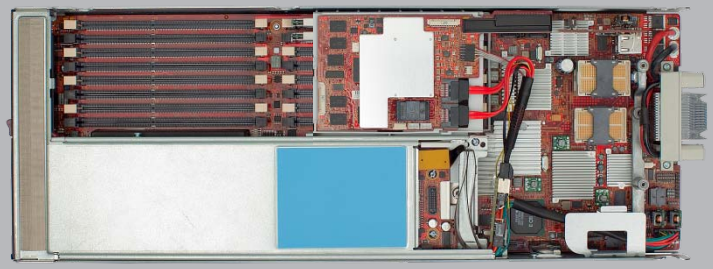


Integerierter Dual-Port FlexFabric 10Gb Adapter	0€
2x HP Virtual Connect FlexFabric 10Gb/24-port Module	32.200€
Summe für 16 Blades	32.200€

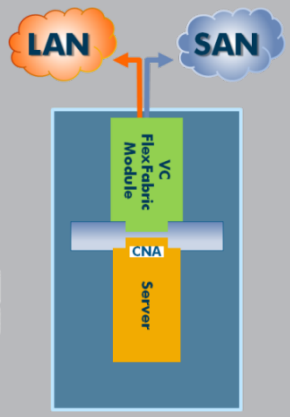
LAN /SAN

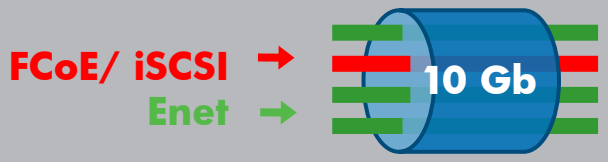
HP Virtual Connect FlexFabric

HP ProLiant G7 server blades with embedded dual port FlexFabric 10Gb network adapters



HP Virtual Connect FlexFabric 10Gb/24-port Module





Supported Hardware

	FCoE	iSCSI
VC Modules	VC FlexFabric	VC FlexFabric VC Flex-10
CNA	NC551i NC551m NC553i NC553m	NC551i NC551m NC553i NC553m

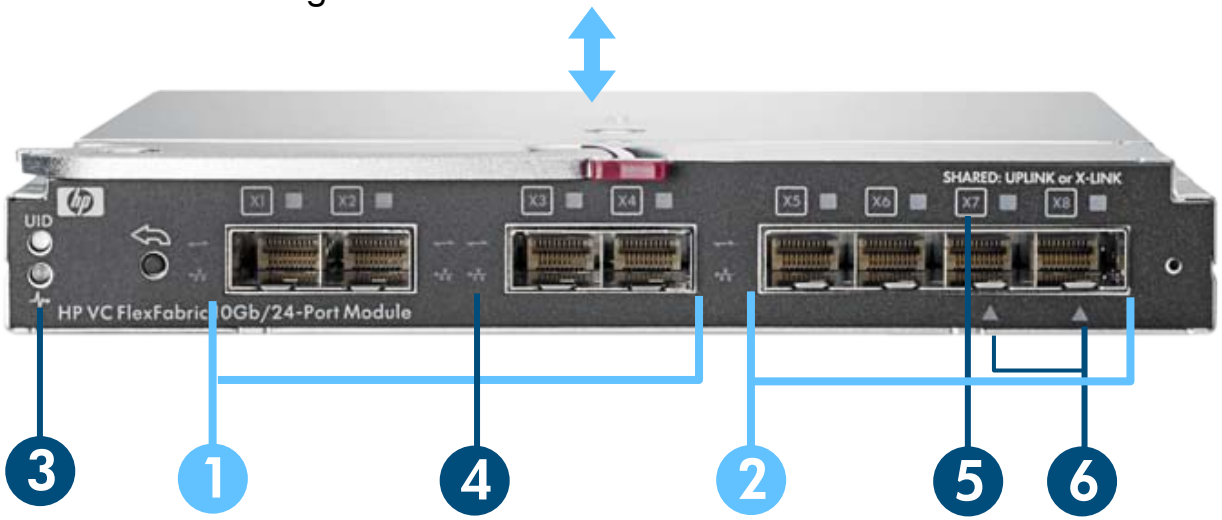
HP Virtual Connect FlexFabric 10Gb/24-port Module

Mid-Plane

16x 10 Gb Ethernet–Connects to one CNA in each HH blade server bay

2x 10 Gb–Cross-link between adjacent VC FlexFabric modules

Mgmt Interfaces to Onboard Administrator



Item	Description
1	4x 10 Gb Ethernet or 2/4/8 Gb Fibre Channel (SFP+) – data center or stacking links.
2	4x 10 Gb Ethernet (SFP+) – data center, stacking or shared internal x-connect links (2)
3	UID and module status indicator
4	Fibre Channel or Ethernet indicators
5	Port Number and Status Indicators
6	Up or X-link indicators