











IPSec support for zSeries Crypto hardware								
Encryption/ decryption method	IBM eServer zSeries 990 and 890 GA 1	IBM eServer zSeries 990 and 890 GA 2						
crypto assist	IPSEC invokes crypto assist if present (normal V1R5-and-later behavior)	IPSEC invokes crypto assist if present (normal V1R5-and-later behavior)						
hardware	not available	if crypto assist not present IPSEC invokes hardware (normal pre-V1R5 behavior)						
software	if crypto assist not present or fails IPSEC invokes software (normal pre-V1R5 behavior)	if hardware not present or fails IPSEC invokes software						
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	e-business			
	HiperSockets	z/VM Guest LAN	z/VM Guest Lan	z/VM Guest LAN with
			(z/VM 4.4)	switching (z/VM 5.1)
zSeries OS support	z/VM z/OS VSE/ESA	z/VM z/OS VSE/ESA	z/VM z/OS VSE/ESA	Linux
Network protocol	IPv4	IP4 and IPv6	IPv4	All protocols: IPv4, IPv6, IPX, NETBIOS, SNA, etc.
Device driver support	iQDIO	iQDIO or QDIO	QDIO	QDIO (For an OS to support other protocols than IP, its QDIO device driver must be able to handle protocols other
Need for mainframe layer- 3 router to outside network	Required (z/OS and Linux support accelarated routing to/from	Required	None (z/VM TCP/IP stack required for control, not layer-	None (z/VM TCP/IP stack required for control, not layer-3 routing)
LPAR or z/VM	Both	z/VM guests in a	z/VM guests in a	z/VM guests in a z/VM LPAR
Extend IEEE802.1q	No	No	Yes (for IPv4 frames)	Yes (for all protocol frames)

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