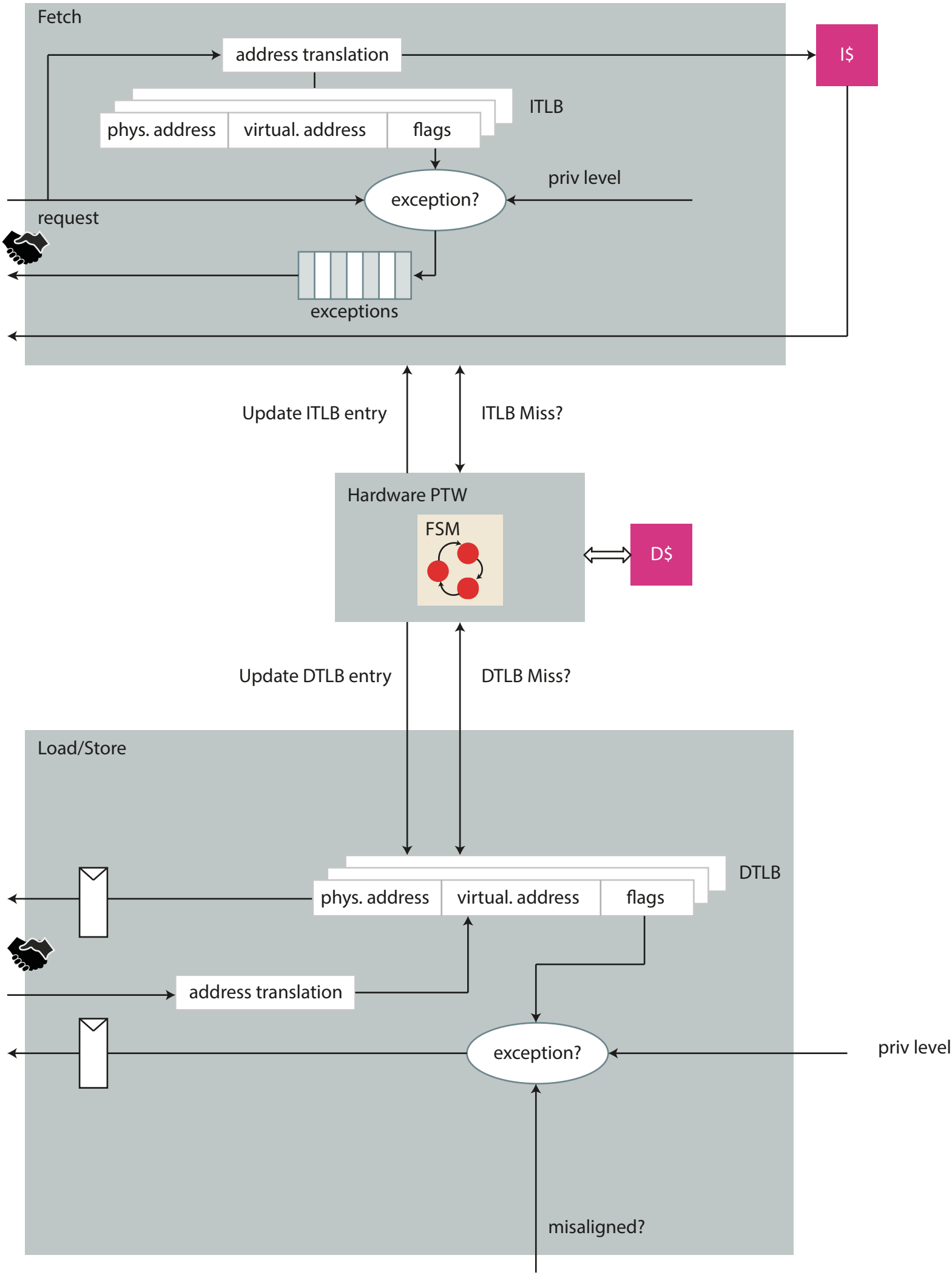
Fetch
address translation
I$
ITLB
phys. address
virtual. address
flags
priv level
exception?
request
exceptions
Update ITLB entry
ITLB Miss?
Hardware PTW
FSM
D$
Update DTLB entry
DTLB Miss?
Load/Store
DTLB
phys. address
virtual. address
flags
address translation
exception?
priv level
misaligned?