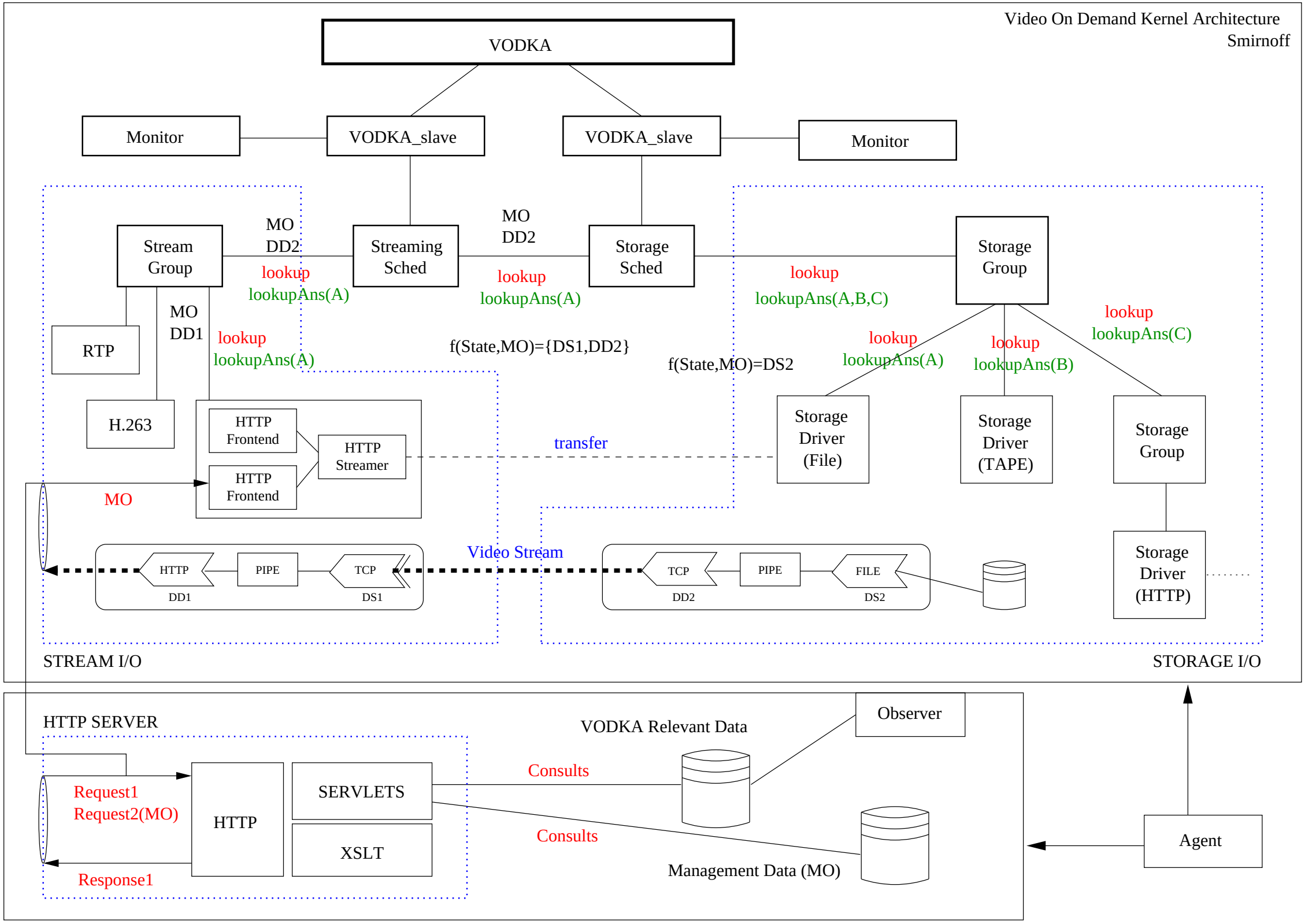
Video On Demand Kernel Architecture
Smirnoff
VODKA
Monitor
VODKA_slave
VODKA_slave
Monitor
Stream Group
MO
DD2
lookup
lookupAns(A)
Streaming Sched
MO
DD2
lookup
lookupAns(A)
Storage Sched
lookup
lookupAns(A,B,C)
Storage Group
RTP
MO
DD1
lookup
lookupAns(A)
f(State,MO)={DS1,DD2}
f(State,MO)=DS2
lookup
lookupAns(A)
lookup
lookupAns(B)
lookup
lookupAns(C)
H.263
HTTP Frontend
HTTP Streamer
HTTP Frontend
transfer
Storage Driver (File)
Storage Driver (TAPE)
Storage Group
MO
HTTP
DD1
PIPE
TCP
DS1
Video Stream
TCP
DD2
PIPE
FILE
DS2
Storage Driver (HTTP)
STREAM I/O
STORAGE I/O
HTTP SERVER
Observer
VODKA Relevant Data
Consults
Request1
Request2(MO)
HTTP
SERVLETS
XSLT
Consults
Management Data (MO)
Agent
Response1