

David Doman

IST 623

HW Assignment 2

Possible Cases	Direction of Information Flow	Is this information flow allowed by MAC?	Can the Trojan horse send any information from Victim to Attacker?	As a result, is there any security violation based on MAC in the case?
Case 1	Attacker ---> Victim Write Access	No	Yes, since information is flowing from low to high access levels.	No, this is within the limits of the MAC policy since the flow of information is from object to subject.
	Attacker <--- Victim Read Access	Yes		
Case 2	Attacker ---> Victim Write Access	Yes	Yes, since information is flowing from high to high access levels.	No, this is within the limits of the MAC policy since the flow of information is from object to subject.
	Attacker <--- Victim Read Access	Yes		
Case 3	Attacker ---> Victim Write Access	Yes	No, since MAC protects against information flowing from high to low access levels.	Yes, this is not within the limits in the MAC policy since the flow of information is from object to subject and is flowing from high to low.
	Attacker <--- Victim Read Access	No		