

THREAT MODELLING

CASE
STUDY



THREATS

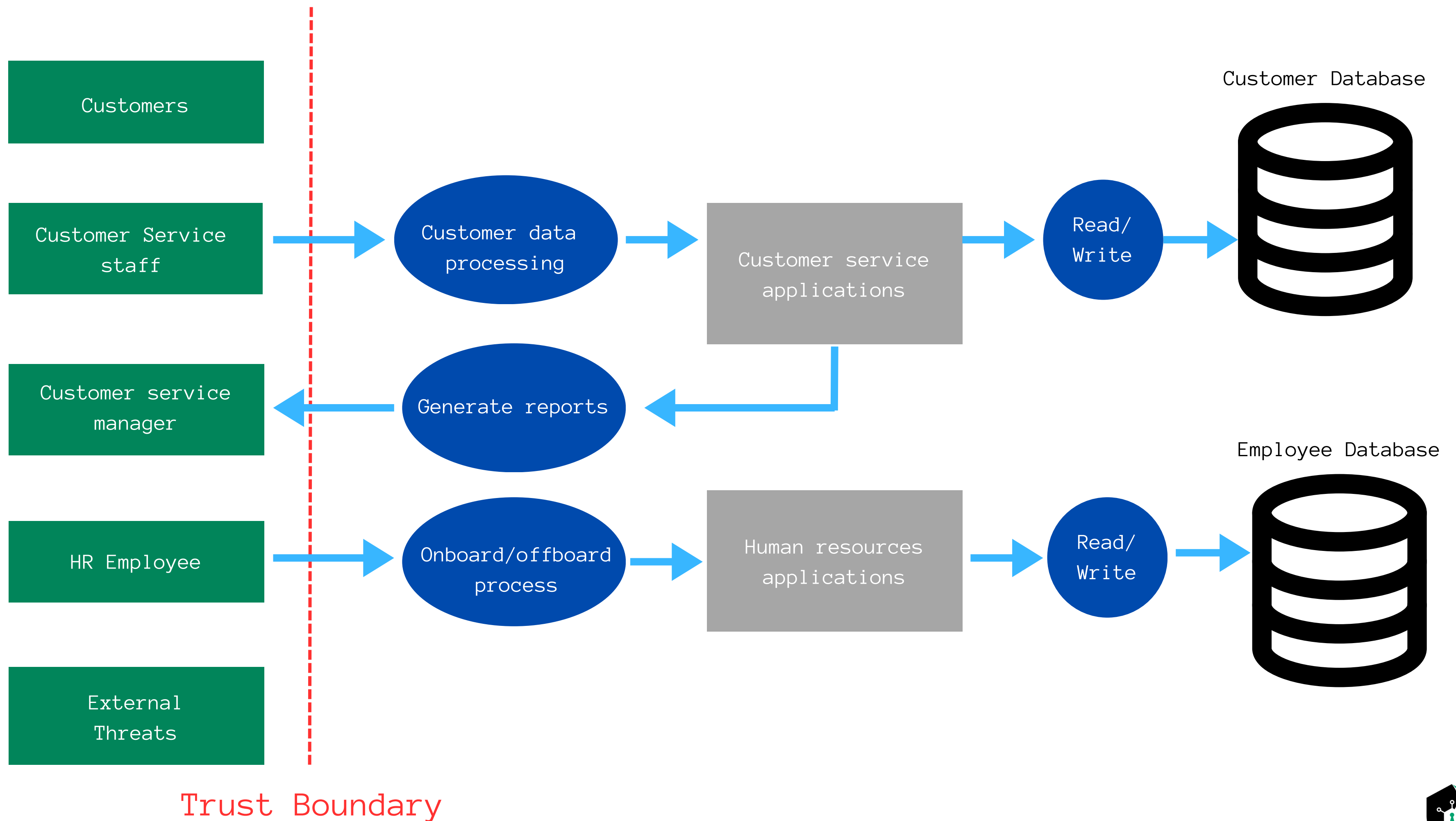
Due to the past incident, insiders are arguably the most probable threat actors that we need to consider.

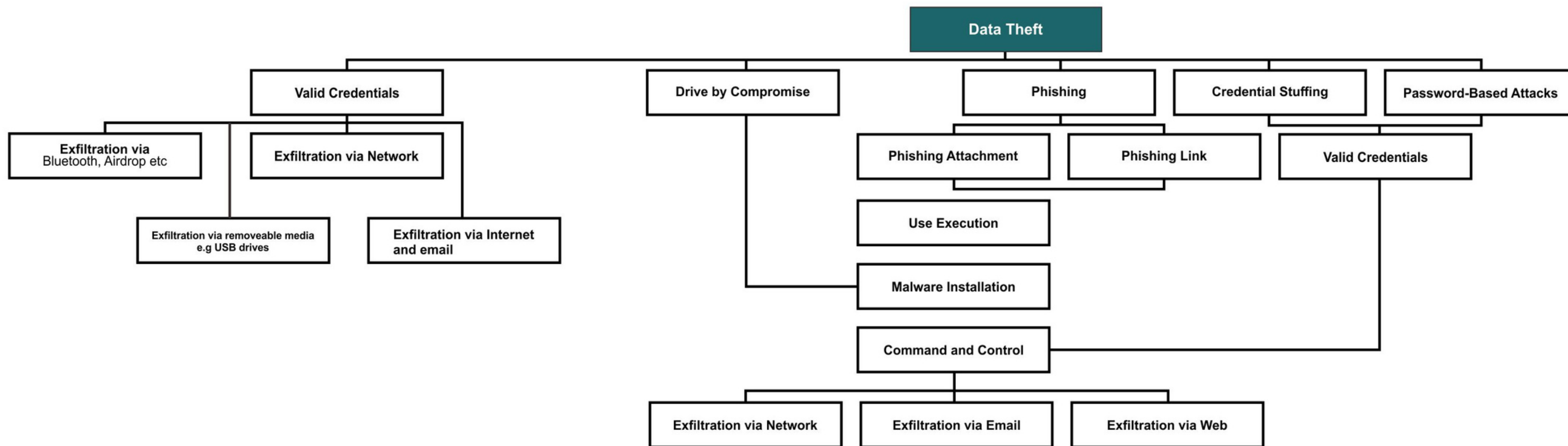
All other possible threats will need to be considered as well.

We will use STRIDE to enumerate all possible threats.

CASE
STUDY







THREAT ENUMERATION

Threat Actor	Threats	Likelihood	Impact
Internal	Use valid credentials to exfiltrate data via removable media	HIGH	HIGH
Internal	Use valid credentials to exfiltrate data via internet & email	HIGH	HIGH
Internal	Use valid credentials to exfiltrate data through network	LOW	HIGH
Internal	Use valid credentials to exfiltrate data via bluetooth etc	LOW	HIGH
External	Drive-by compromise leading to data exfiltration	MEDIUM	HIGH
External	Phishing attack leading to data exfiltration	LOW	HIGH
External	Credential stuffing attack leading to data exfiltration	LOW	HIGH
External	Password-based attack leading to data exfiltration	LOW	HIGH



THREAT ENUMERATION

Threats	Likelihood	Impact	Risk Score
Use valid credentials to exfiltrate data via removable media	HIGH	HIGH	HIGH
Use valid credentials to exfiltrate data via internet & email	HIGH	HIGH	HIGH
Use valid credentials to exfiltrate data through network	LOW	HIGH	MEDIUM
Use valid credentials to exfiltrate data via bluetooth etc	LOW	HIGH	MEDIUM
Drive-by compromise leading to data exfiltration	MEDIUM	HIGH	HIGH
Phishing attack leading to data exfiltration	LOW	HIGH	MEDIUM
Credential stuffing attack leading to data exfiltration	LOW	HIGH	MEDIUM
Password-based attack leading to data exfiltration	LOW	HIGH	MEDIUM



THREAT ENUMERATION

REFERENCE	Risks	Risk Score
P.RISK.1	Use valid credentials to exfiltrate data via removable media	HIGH
P.RISK.2	Use valid credentials to exfiltrate data via internet & email	HIGH
P.RISK 3	Drive-by compromise leading to data exfiltration	HIGH

