It feeds all the three databases with all the information.

The Internet said that the user must also have the privilege number 011 to enter the SoundCloud server.

Threat Intelligence

Subject Database

The privilege number of the user is 001

Import

Import
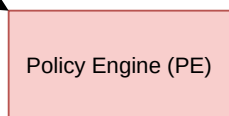
Policy Engine (PE)

Import

The SoundCloud server is turned OFF.

Asset Status

Import

Resource Requirements

The SoundCloud server must be turned ON.

The user should have the privilege number 011 to enter the SoundCloud server.
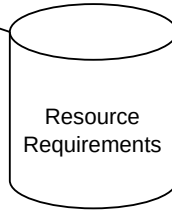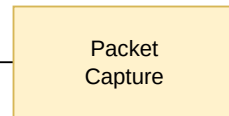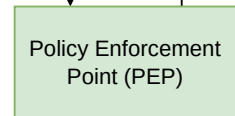
DENY

He needs the SoundCloud server

Policy Enforcement Point (PEP)

Packet Capture

DROP

The function of the policy engine

1- Collects information from four databases (Threat Intelligence - Asset Status - Subject Database - Resource Requirements). For the shortage of time, Resource Requirements database will be removed from our plan.

2- Decides whether the connection (or packet) is valid or not, and that according to what is written inside the four (or three) databases.

Mechanism

1. The subject message enters from the packet capture.
2. The message is forwarded using the PEP to the policy engine.
3. The policy engine analyses the packet and all its content.
4. It compares its attributes with the attributes inside the four databases.
5. It gives the PEP the decision and the PEP executes it.