

Cisco ISE Profiling:

- o Profiling Services provides dynamic detection and classification of the endpoints.
- o Profiler is responsible for endpoint detection & classification connected to network.
- o Profiling service identifies devices that connect to the network and their location.
- o Profiler Identifies locates & determines capabilities of attached network endpoints.
- o Profiler using a probe or probes, that collect the attributes about an end device.
- o It compares collected attributes to predefined device signatures to locate match.
- o These predefined devices signatures in ISE are commonly, referred to as profiles.
- o Profiler facilitates effective deployment & ongoing management of authentication.
- o Endpoints are profiled, based on endpoint profiling policies configured in Cisco ISE.
- o This feature is very important in authentication & authorization of network access.
- o Profiling collects data of Endpoint devices accessing network & identifies its location.
- o Depend upon Endpoint profile; authentication server permits access of the resources.
- o Profiling service can identify, locate, and ensure the access of all endpoints connected.
- o Profiling collects attribute & classifies these endpoints into groups & stores in database.
- o Two main functions of profiler service are creating and maintain learned the inventory.
- o In Cisco ISE Profiler service assign endpoint identity group used in authorization policy.
- o Profiler service classify endpoints using variable sets of attributes like MAC address etc.
- o Profiler service using many other attributes to identify and classification the endpoints.
- o Profiler service discovers and determines capabilities of endpoints attached to network.
- o Profiling requires Change of Authority to change the authorization state of an endpoint
- o Profiling policies allow categorizing discovered endpoints on network assign to groups.
- o Cisco Identify Service Engine comes with numerous built-in profiler conditions & policies.
- o Built-in profiler policies defined in hierarchical fashion & consist of parent & child policies.
- o Asset visibility profiles endpoints by matching their network attributes to known profiles.

The profiling service in Cisco ISE identifies the devices that connect to your network



