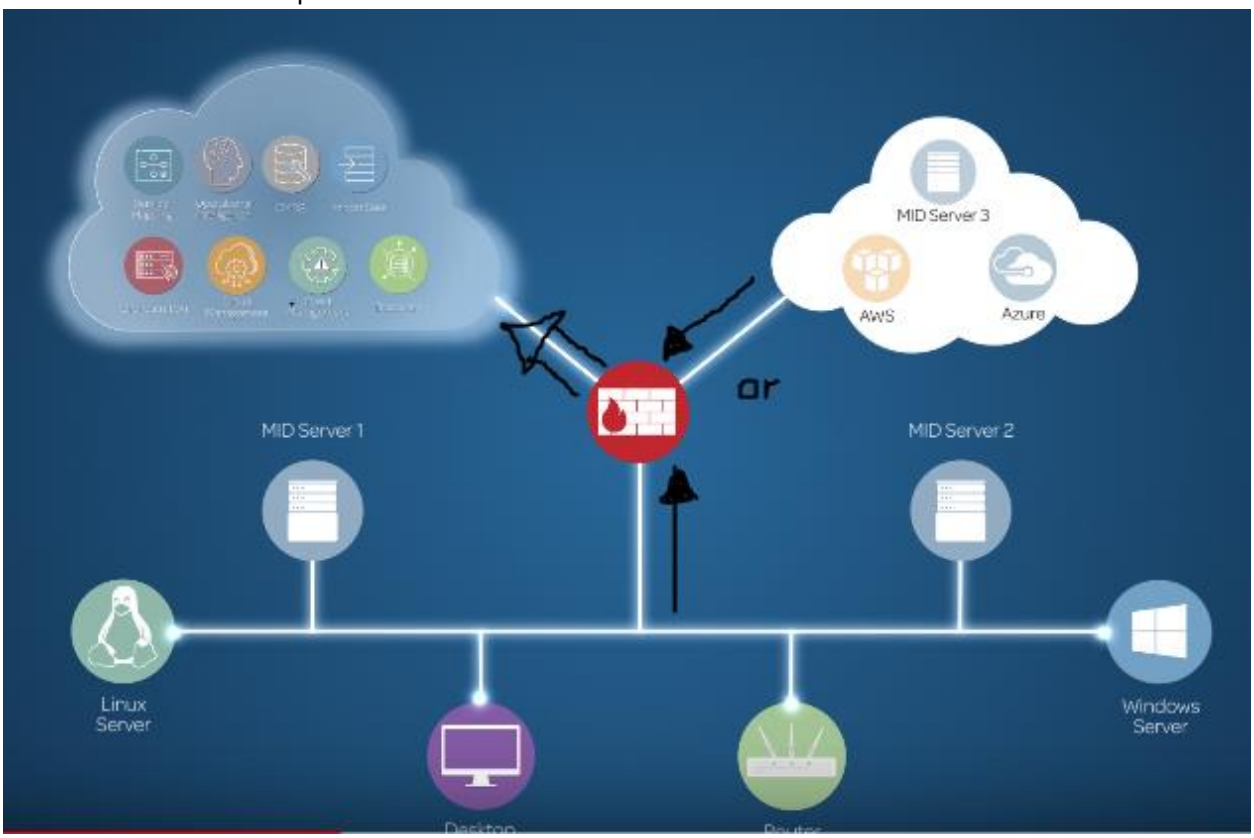
Discovery finds applications and devices on your network.

Discovery then updates the CMDB with information it finds.

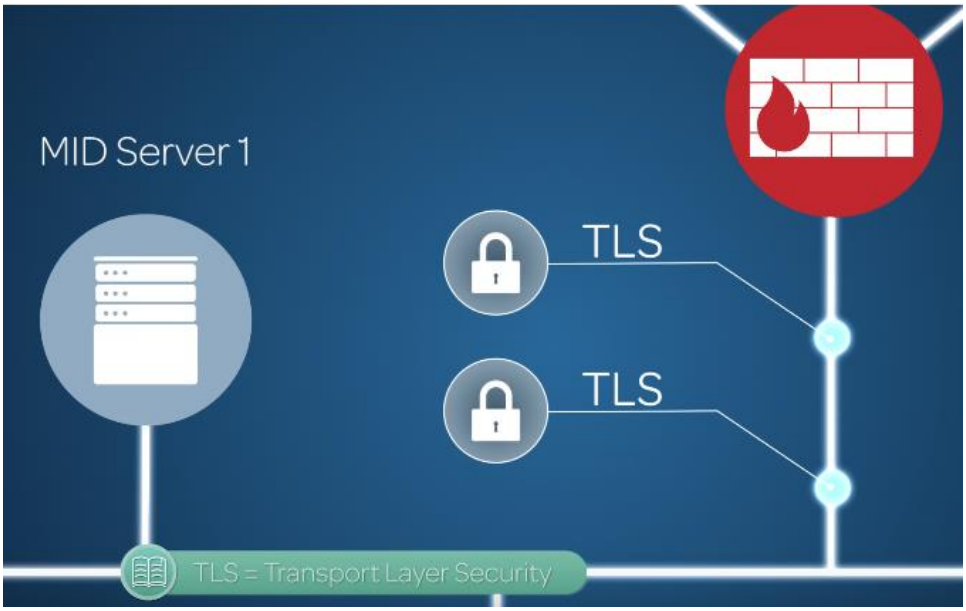
Discovery uses MID Servers.

Each MID Server is a lightweight JAVA process that can run on a customer's Linux or Windows server on their network or in their public cloud...

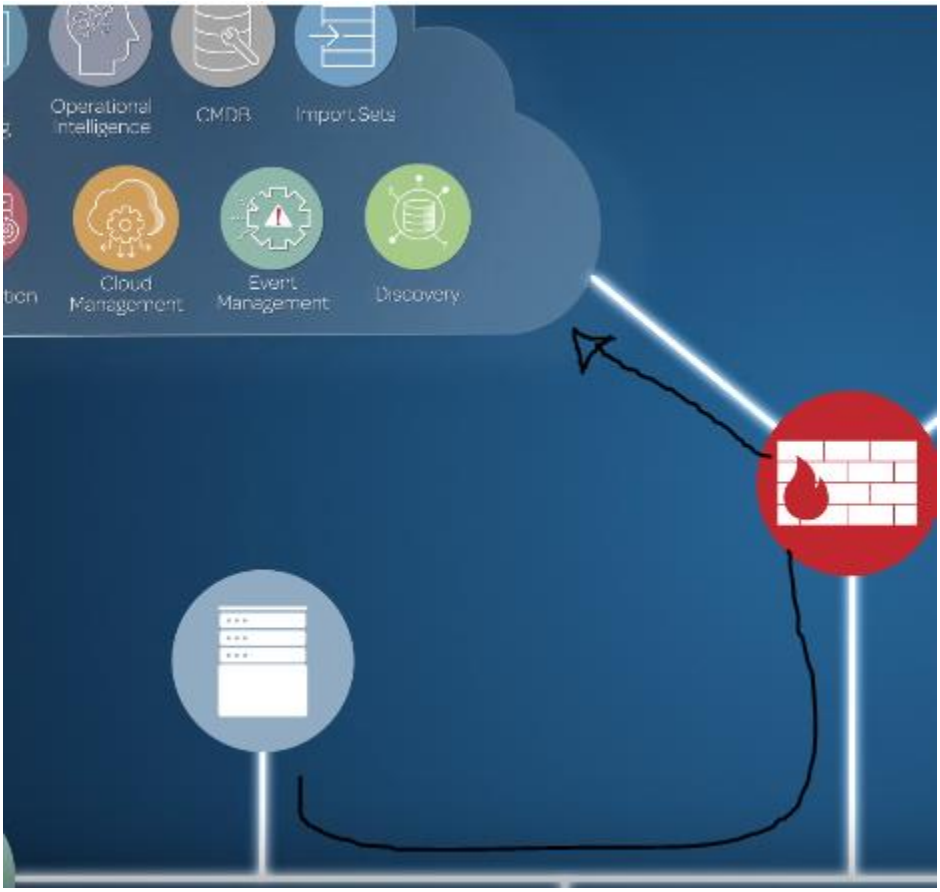


… and then return the results back to the instance for processing.

All communication between a MID Server and an instance are securely done via the TLS...



...this allows the MID Server to connect to the instance directly without having to open additional ports on the firewall:



The MID Server can also connect to the instance using a proxy server if required:

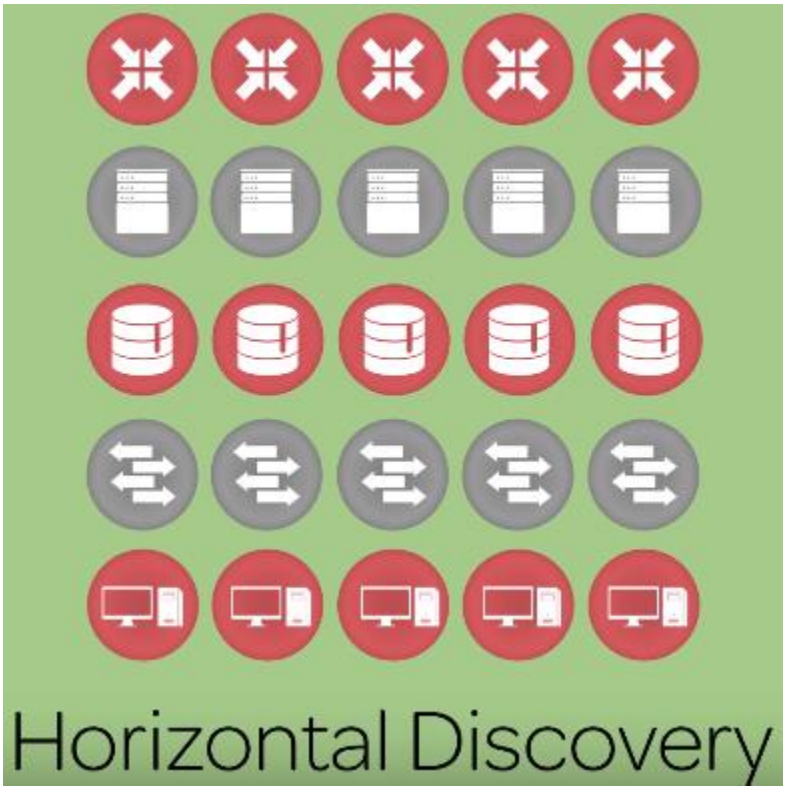
The MID Server can be deployed on a customer's internal network or public cloud... so it can connect directly to discoverable clouds (with proper login credentials).

ServiceNow offers 2 Complimentary services:

-**Discovery**

-**Service Mapping**

Discovery is sometimes referred to as Horizontal Discovery:

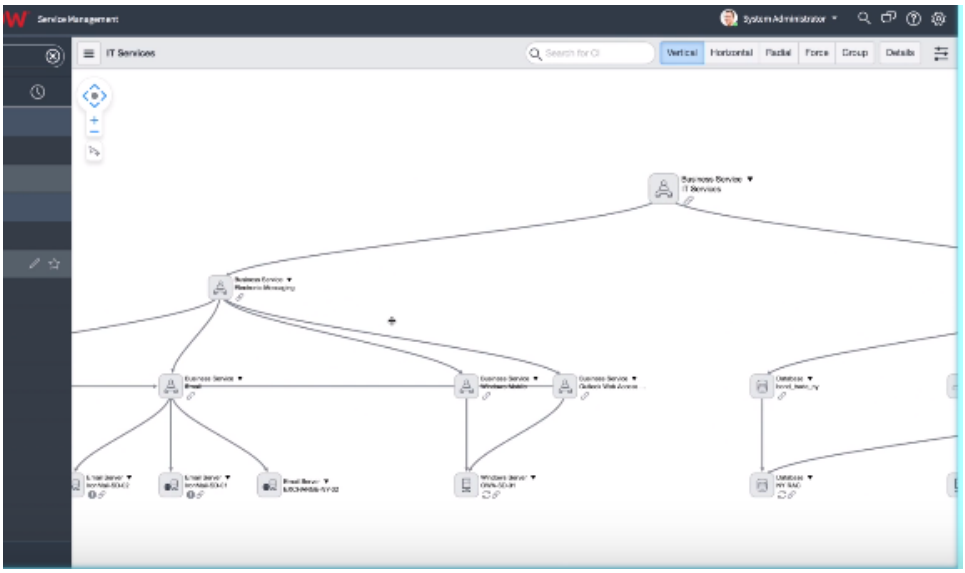


...essentially it detects devices on your network and their important attributes, such as:

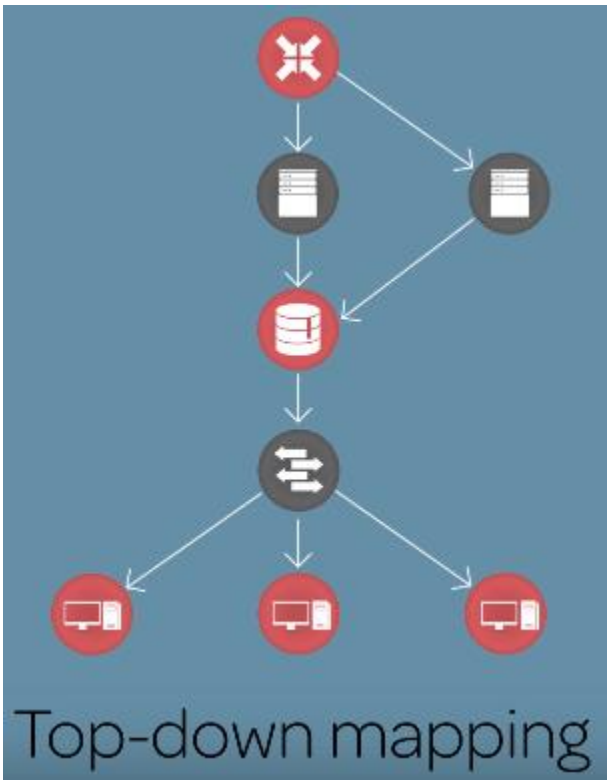
Discovery establishes relationships between applications and devices.

Discovery also establishes relationships between applications that communicate between each other.

These various relationships can be visualized using the **Dependency Viewer**:



Service Mapping, on the other hand, map service-specific dependencies based on devices and applications used to deliver the desired service... this is referred to as **Top-Down Mapping**:



...this allows us to immediately see all the C.I's used to deliver the desired service.

Note that Service Mapping requires a separate subscription in addition to Discovery.

When planning for Discovery on your network, you first need to:

(1) Purchase a subscription to the Discovery application.

(2) Install and validate a MID Server.

(3) Set up Discovery!