martinschoening Update Readme.md 49728e2 · 2 minutes ago

30 lines (23 loc) · 1.49 KB

Preview Code Blame Raw

Hardened Boundary Server

Task 1: Image Hardening

The goal of this task was to create a hardened Ubuntu 22.04 Image using Packer. Additionally, the provisioning agent was to be removed from the VM after the first boot.

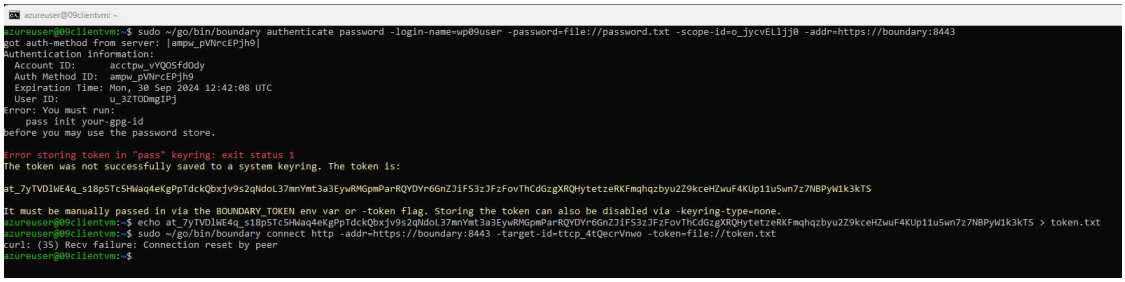
- Packer config
- OSCAP report before hardening
- OSCAP report after hardening
- Deployment screenshots

Task 2: Boundary Installation

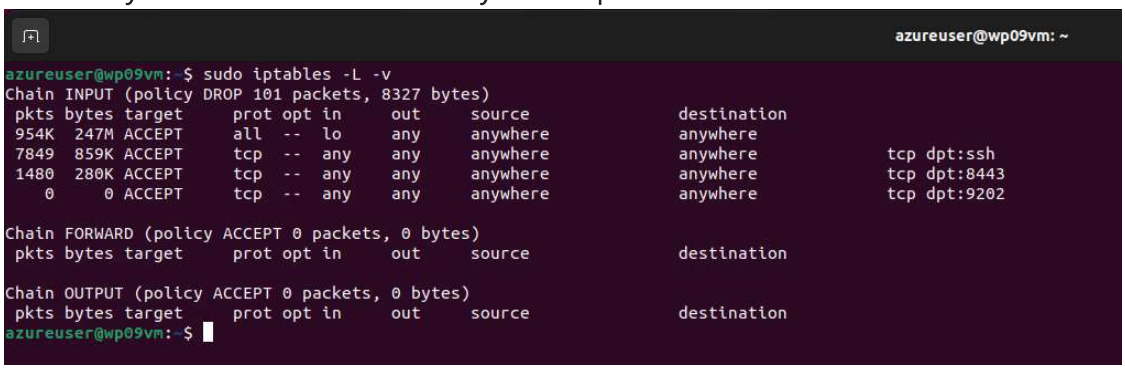
The scope of this task was to set up a boundary installation on the hardened VM, also deploying a web server and remote proxy. Additionally, firewall rules were to be configured. A boundary user was to be created with access to a single target.

On the client side, the boundary source code was to be adapted so the user would not have to provide an Auth Method ID.

- Client connection
  - The following picture shows how the authentication gets established.
  - However, we encountered an issue with curl which we could not resolve in time.



- Iptables
  - The following picture shows the netfilter configuration of the VM hosting boundary which allows access only to the public services and SSH.



- Source code
  - The boundary source code was modified on a client machine to statically fetch the Auth Method Id from the server
  - The following picture shows the changes made to the `password.go` file