**Understand\_Document**

## **What is the current setup ?**

* The app is AZCAMS. It’s built using an open-source tool called Snipe-IT.
* It runs on a Windows virtual server (on-premise).
* It uses a MySQL database, and both the app and DB are running on the same server.
* The app is deployed manually. There is no CI/CD pipeline.
* They don’t have internal build or deployment documents – only vendor documents are available.
* They are not using any code scanning tools or automation for deployment.

## **What is the goal (target) ?**

→ Move (lift and shift) the same Windows server setup to Google Cloud (GCE).  
→ No Docker or Kubernetes. Just move the current environment as it is.  
→ Keep both app and DB together on the same VM

**Sample Migration Approach**

1. Create a new Windows VM on GCP (same version as current server).  
 2. Install all software the current server has:  
 A. Apache/IIS → to display the UI outside  
 B. PHP → logic build on php  
 C. MySQL → to store data   
 3. Copy the application code and database:  
 - Github Source Code: git clone <https://github.com/snipe/snipe-it>   
 4. Restore the database in MySQL on GCP VM.  
 5. Test the app on GCP to make sure it works same as before.  
 6. Set up firewall rules to allow access (ports like 80, 443, maybe 3306).

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