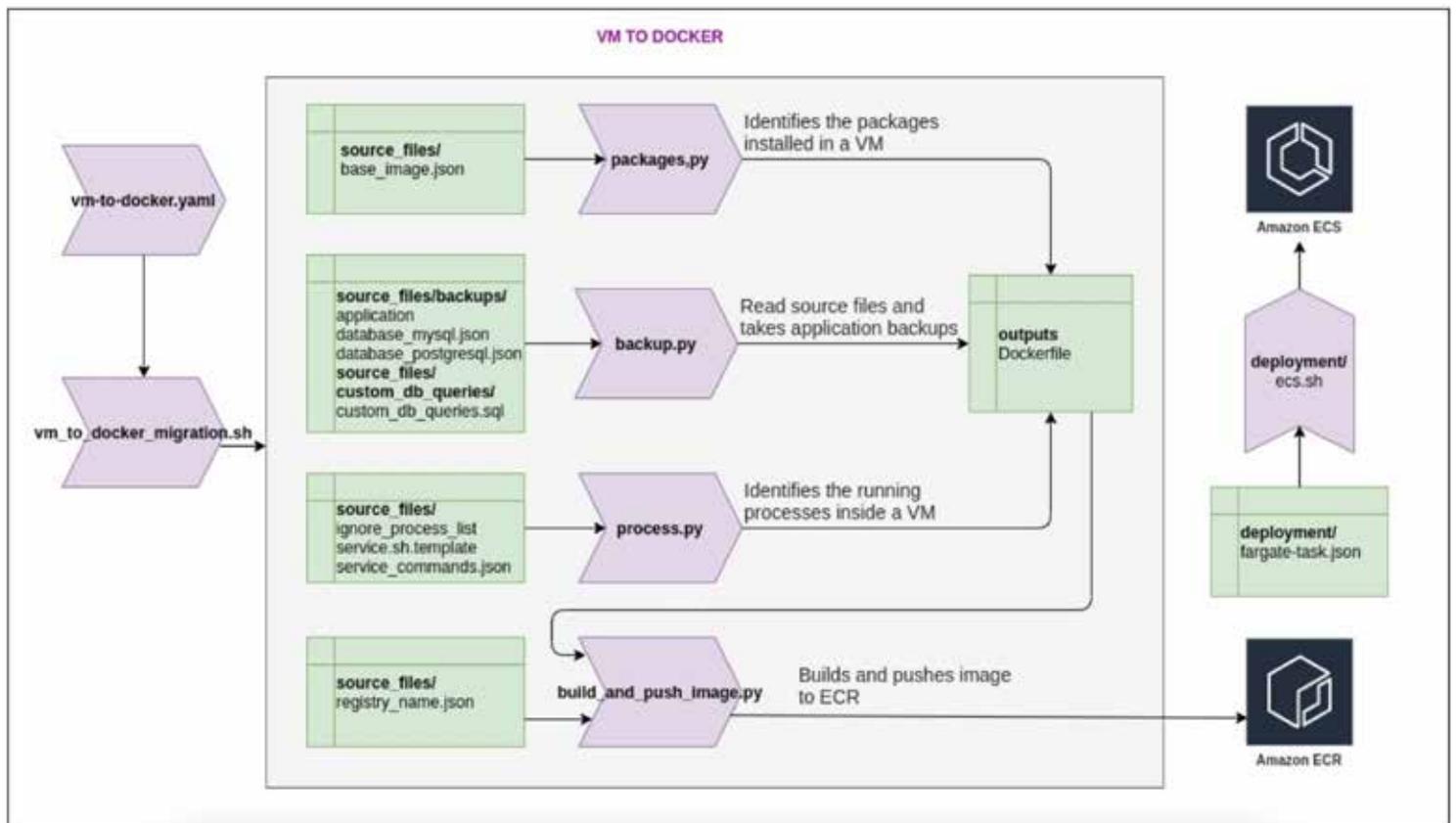# Hashedin

VM2DOCKER

Simplify Virtual Machine (VM) to Docker Migration

HashedIn Technologies has developed vm2docker, a virtual machine (VM) to docker migration tool. This innovative solution is able to create an exact image of the VM and takes the backup, gets process details, updates docker files, and more. It is a working solution and the demo is available.

VM TO DOCKER

vm2docker takes care of converting a standalone application e.g. WordPress into a docker image and pushes to ECR. It accomplishes this by:

- ✔ **Identifying the required packages in that VM**
- ✔ **Processes running on that VM**
- ✔ **Takes backup of source files running based on stack**
- ✔ **Uses docker template to create a docker file for it**
- ✔ **Creates Dockerfile and builds it locally**
- ✔ **Pushes the image into ECR after IAM role-based policy**
- ✔ **This image can be pushed to ECS, EKS or any container orchestrator**

Storages, backups, and dependencies are taken care of while migrating to docker.

Pre-requisites and Limitations

- ✔ **Only ECR is supported out-of-the-box. Others can be added with simple customization.**
- ✔ **Currently supports only Linux and the only supported Databases are Mysql and PostgreSQL.**

Benefits

1 Reduces Containerization Time to Minutes
A single wrapper script for migration from your running VM into a docker image pushed into ECR. Security is ensured with IAM role-based access to the instance.

2 Containerize at Scale
Time and effort are saved from days to hours with this solution, for a large number of VMs. The underlying script uses Ansible to connect to VM inventory to convert all of them in one go.

3 Supports Amazon Linux and a Majority of other Linux Distros
Out-of-the-box support for Amazon Linux, Ubuntu, and CentOs with the ability to extend support for other Linux distros.

4 Out of the Box Support for AWS ECR, ECS, and EKS
Support for full AWS suite with out-of-the-box deployment to ECS for converted docker image from ECR. It can be extended to EKS; support for AWS Code Pipeline and Code Build.

Demo and Cost

Contact us for more details on pricing and demo at **contact@hashedin.com**