SysEng Automation – Azure DevOps Repository Handover Document

# Overview

This document summarizes all automation repositories under the SysEng project in Fareportal’s Azure DevOps. It serves as a handover reference for team members and stakeholders to understand the purpose, ownership, and usage of each repository, and also the structure of the CI/CD pipelines associated with them.

# Azure DevOps Pipelines Overview

- Pipeline Types:  
 - Primarily using Classic Build Pipelines.  
 - A few repositories also use Release Pipelines for post-build deployment or release tasks.  
  
- Naming Convention:  
 - Each pipeline is named after the corresponding repository, ensuring traceability and easy identification.  
  
- Pipeline Configurations:  
 - All pipeline definitions, stages, triggers, and deployment instructions are documented in Standard Operating Procedures (SOPs).  
 - Refer to the SOPs maintained under the DevOps/Automation documentation drive for complete details.

# Active Repositories

## AV-POC

Antivirus automation for InfoSec testing. Automates install, disable, uninstall actions for antivirus software. Owner: SysEng

## azcloud\_vm\_deployment

Azure VM deployment using Terraform. Classic Build + Azure Pipelines. Owner: Yash Srivastava / DevOps

## COMMS Automation

Voice automation to fetch API data, filter it, and send reports. Owner: Voice Engineering

## Comms Report Automation

Duplicate of COMMS Automation. Merge suggested. Owner: Voice Engineering

## Duplicate-DNS-Deletion

DNS cleanup automation. Owner: Aryaman / Infra

## FTP User Create

Script to create FTP users. On-demand. Owner: SysEng

## Get Time Zone

Fetch time zone info from servers. On-demand. Owner: SysEng

## Join LinuxServer Domain

Add Linux servers to AD domain. Used by SCAM/IAM Team. Created by SysEng

## Last Reboot Linux

Reports last reboot time for Linux servers. Used in weekly/Monday analysis. Owner: SysEng

## Linux Patching

Linux server patch automation. Owner: EMS Team (created by SysEng)

## Network Automation

Custom automation by Yash Srivastava. Includes SysEng/network scripts. Owner: Yash Srivastava

## NTP-Restart

Restart NTP service. On-demand. Owner: SysEng

## S1 Agent Deployment

SentinelOne agent deployment. On-demand. Owner: InfoSec / SysEng

## SCAM Team

Linux user management for IAM team. Created by SysEng. Owner: IAM

## SMTP ISP Change

ISP failover automation from Tata to Cogent. Owner: SysEng / NOC

## SysEng

Master repo with multiple automation scripts:  
 - Active Batch: File server backup  
 - DomainControllerBackup: DC backup  
 - Global-Inventory: Server inventory  
 - Reboot-Redis-VMs: Redis VM reboot  
 - VM-Provision: VM creation  
 - VMResources Modify: VM specs change

# Deprecated or Archived Repositories

## BackupLinixonAZ

Backup to Azure from Linux. Deprecated. Owner: SysEng

## SOCConfigure

Blank or unused. Consider deletion or archival.

# Recommendations

| Action | Repository | Recommendation |  
|-----------|------------------------------------|--------------------------------------------------|  
| Merge | COMMS Automation & Comms Report Automation | Merge to avoid redundancy. |  
| Refactor | SysEng | Continue splitting into modular repos. |  
| Archive | BackupLinixonAZ, SOCConfigure | Mark deprecated or clean up. |

# Summary

- Active Repos: 16  
- Deprecated/Unused: 2  
- Mixed (In Progress): 1 (`SysEng`)  
  
CI/CD Setup:  
- Majority use Classic Build Pipelines; some use Release Pipelines.  
- Pipeline naming follows repository name.  
- All pipeline steps are documented in SOPs stored in the central documentation drive.