# Onboard Automator - Manage Azure Identities and Governance

## Project Overview

The Onboard Automator is an enterprise-grade identity and governance automation solution for Microsoft Azure. It simplifies user provisioning, access management, governance enforcement, and security monitoring using Azure-native tools.

This project is ideal for organizations that need to:

• Automate identity lifecycle management (onboarding, updates, offboarding).

• Enforce governance policies (e.g., Multi-Factor Authentication, role-based access).

• Integrate with HR systems (e.g., Workday, Okta) for automatic user creation.

• Monitor and remediate stale or risky access using Azure Monitor & Security Center.

• Implement Privileged Identity Management (PIM) for temporary elevated access.

## Why Is This a Great Project?

• Showcases real-world Azure automation skills.

• Implements enterprise security best practices.

• Leverages monitoring and compliance tools to detect and fix risks.

• Uses Terraform, PowerShell, and Azure services for a fully automated solution.

## Key Features

• Identity Lifecycle Automation: Automatically create, update, and remove users.

• Governance and Compliance: Enforce Azure Policies, ensure security compliance.

• Privileged Access Management: Automate temporary elevated access via PIM.

• Monitoring and Remediation: Detect stale access, trigger remediation workflows.

• Self-Service Access Requests: Employees can request and get approvals dynamically.

## How This Project Works

1. HR System Integration (e.g., Workday, Okta) triggers Logic Apps when a new employee is onboarded.

2. Azure Automation and Runbooks create user accounts, assign roles, and configure policies.

3. Azure AD Dynamic Groups and RBAC manage access based on job roles.

4. Privileged Identity Management (PIM) grants temporary admin access when required.

5. Azure Monitor and Sentinel detect security risks, trigger alerts, and auto-remediate threats.

## Technologies Used

• Azure AD, Azure Automation, PIM, Logic Apps, Policy & Blueprints

• Terraform, PowerShell, Microsoft Graph API

• Azure Monitor, Log Analytics, Sentinel

• HR System Integrations (Workday, Okta, SAP)

## Project Deliverables

• PowerShell and Terraform Scripts for identity automation.

• Azure Policy and Governance Templates for compliance enforcement.

• Architecture Diagrams, Documentation, and Evidence Logs.

This project is a perfect addition to a GitHub portfolio to showcase Azure automation, governance, and security expertise.