# Azure tf Export

## Prerequisite

1. Latest terraform and azurerm version should be installed.
2. Download latest [Azure tf export](https://github.com/Azure/aztfexport/releases)
3. Download latest Azure CLI version

## Steps to Export Azure resources onto terraform state.

1. Sign in onto your azure account using cmd, az login
2. Follow this [document](https://learn.microsoft.com/en-us/azure/developer/terraform/azure-export-for-terraform/export-first-resources?tabs=azure-cli) for basic import of Azure resources
3. Run [az group create](https://learn.microsoft.com/en-us/cli/azure/group" \l "az-group-create) to create an Azure resource group.

“az group create --name myResourceGroup --location eastus”

1. Run [az vm create](https://learn.microsoft.com/en-us/cli/azure/vm" \l "az-vm-create) to create the virtual machine.

“az vm create --resource-group myResourceGroup --name myVM --image Debian11 --admin-username azureadmin --generate-ssh-keys --public-ip-sku Standard”

1. Create a directory in which to test
2. Open a command prompt and navigate to the new directory.
3. Run aztfexport resource-group to export the resource group named myResourceGroup.

“aztfexport resource-group myResourceGroup”

1. After the tool initializes, a list of the resources to be exported is displayed. Each line has an Azure resourceID matched to the corresponding AzureRM resource type. The list of available commands displays at the bottom of the display. Using one of the commands, scroll to the bottom and verify that the expected Azure resources are properly mapped to their respective Terraform resource types.

A screenshot of a computer

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1. Press w to run the export.

## Verification

1. Run “terraform init --upgrade” from same folder
2. Run “terraform plan”
3. If the terminal outputs **No changes needed**, then you are good that current state is upto date

A screen shot of a computer

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