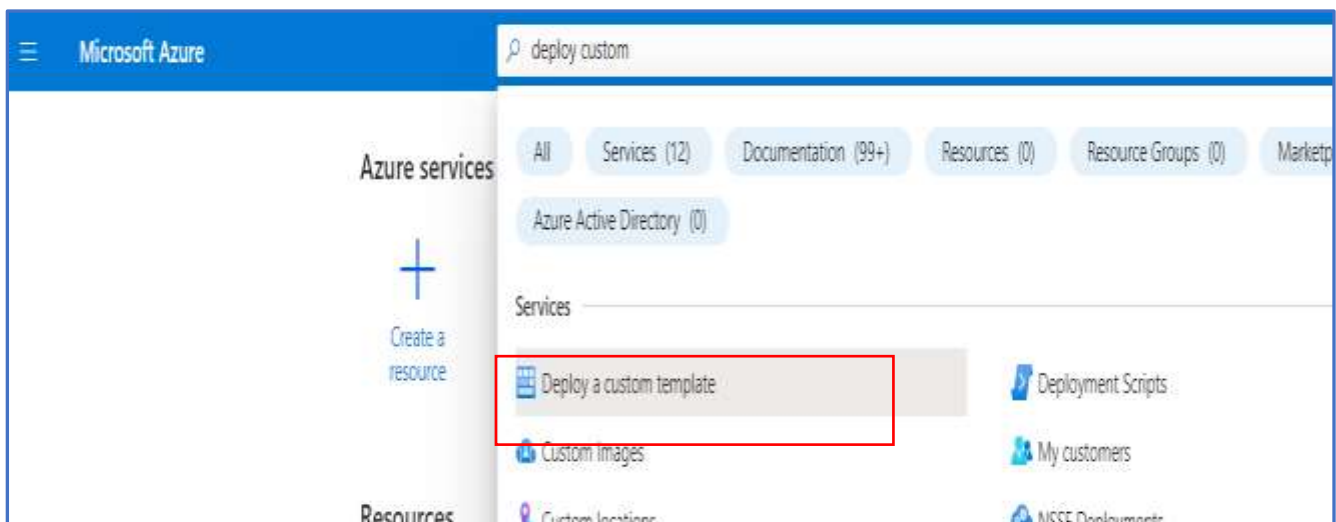# Create and Deploy ARM Template

ARM templates are a form of infrastructure as code (IaC) where you define the infrastructure that needs to be deployed. You can use the portal for quickly developing and deploying ARM templates.

ARM templates are JSON or Bicep (Declarative language) files.

Login to Azure Portal with your account Credentials

Create Custom Template

In the Search bar, enter deploy custom. Select **Deploy a Custom Template**

Click the Dropdown from the Quicker Template list box and see the available options to create the required template.

Home >

Deploy a simple Ubuntu Linux VM 18.04-LTS ···
Azure quickstart template

Select a template   Basics   Review + create

Automate deploying resources with Azure Resource Manager templates in a single, coordinated operation. Create or select a template below to get started. Learn more about template deployment ⤢

ⓘ Changing the selected template may reset selections and your edits will be discarded.

✎ Build your own template in the editor

Common templates

🖥 Create a Linux virtual machine

🖥 Create a Windows virtual machine

🌀 Create a web app

DB Create a SQL database

JSON Azure landing zone

Start with a quickstart template or template spec

Template source ⓘ   ⦿ Quickstart template
                            ◯ Template spec

Quickstart template (disclaimer) ⓘ   [⌄]

Previous | Next | **Review + create**

In this exercise I have selected **Create a Linux Virtual machine** from Common template.

Provide Resource Group name, VM name and password.

Deploy a simple Ubuntu Linux VM 18.04-LTS ...

Azure quickstart template

🔵 New! Deployment Stacks let you manage the lifecycle of your deployments. Try it now →

Vm Name ⓘ	simpleLinuxVM ✓
Admin Username * ⓘ	azureadmin ✓
Authentication Type * ⓘ	⦿ Password ◯ SSH Public Key
Admin Password Or Key * ⓘ	••••••••••••••• ✓
Dns Label Prefix ⓘ	[toLower(format('{0}-{1}', parameters('vmName'), uniqueString(resource...
Ubuntu OS Version ⓘ	Ubuntu-2004 ⌄
Location ⓘ	[resourceGroup().location]
Vm Size ⓘ	Standard_D2s_v3 ✓
Virtual Network Name ⓘ	vNet ✓
Subnet Name ⓘ	Subnet ✓
Network Security Group Name ⓘ	SecGroupNet ✓
Security Type ⓘ	TrustedLaunch ⌄

[Previous] [Next] **Review + create**

⬡ Microsoft.Template-20230808200518 | Overview 📌 ...
Deployment

🔍 Search	🗑 Delete ⊘ Cancel ⤵ Redeploy ⬇ Download ↻ Refresh
👤 Overview	
📋 Inputs	✅ Your deployment is complete
≣ Outputs	
📄 Template	Deployment name : Microsoft.Template-20230808200518 Start time : 8/8/2023, 8:05:31 PM
	Subscription : Pay-As-You-Go Correlation ID : 6050b6c9-a72d-4515-b46c-5be2e3a2fbd2
	Resource group : RG01
	> Deployment details
	⌄ Next steps
	Go to resource group
	Give feedback
	📝 Tell us about your experience with deployment

Virtual machines 📌 ...
cloudsolutionstalks

+ Create ⌄ ⇄ Switch to classic ⏱ Reservations ⌄ ⚙ Manage view ⌄ ↻ Refresh ⬇ Export to CSV ⧉ Open query | ⊕ Assign tags ▷ Start ↺ Restart ☐ Stop 🗑 Delete ≣ Services ⌄ 🔧 Mainten

| Filter for any field... | Subscription equals **all** | Type equals **all** | Resource group equals **all** ✕ | Location equals **all** ✕ | ⊕ Add filter |

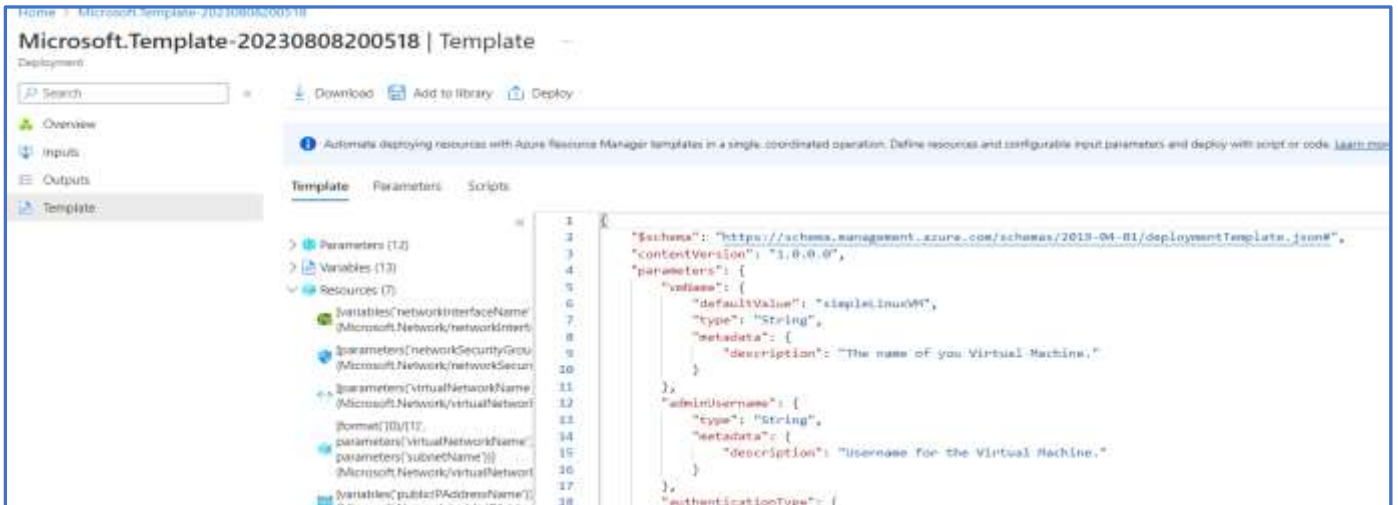Showing 1 to 1 of 1 records.   No grouping

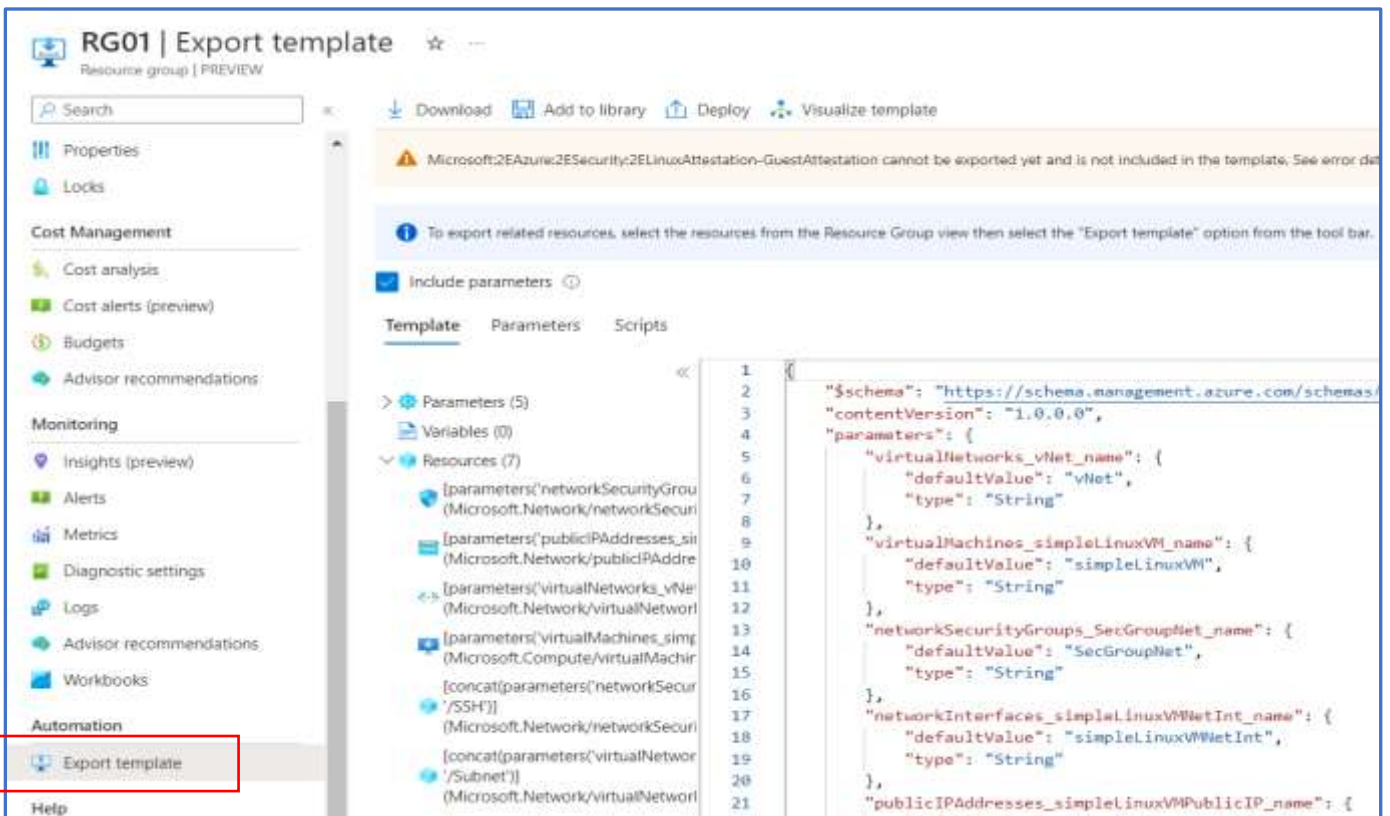| ☐ Name ↑↓	Resource group ↑↓	Virtual network ↑↓	Location ↑↓	Public IP address ↑↓	Operating system ↑↓	Size ↑↓	Subscription ↑↓	Status ↑↓
☐ 💻 simpleLinuxVM	RG01	vNet	East US	20.232.102.141	Linux	Standard_D2s_v3	Pay-As-You-Go	Running

Now VM is Created.

We can also Download and Edit the Template. Change the VM name, Size etc.

Select Template from sidebar.

Export Template if you want to save the Template for later Deployment.

In Automation section select Export Template

If you want to redeploy the resource with the Template you have Created.

Select build your own Template in the Editor

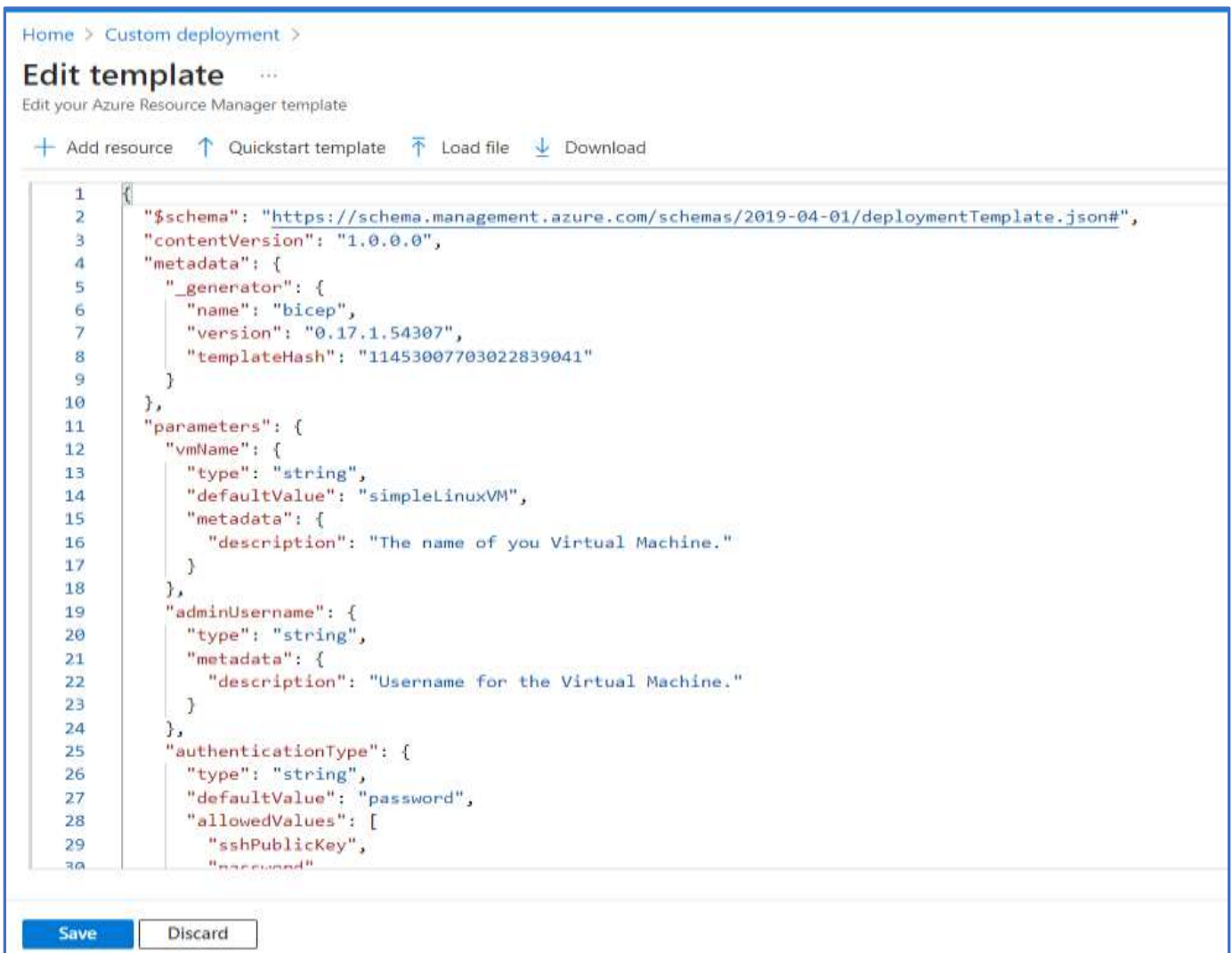Click Load file and select the Template from the location you have saved earlier.

Note: We can also create **Template spec.** Template spec stores Azure Resource Manager template (ARM template) in Azure for later deployment. These Templates can be used by other developers/admin across the Organization by providing access to the Template.

Cleanup the Resource

If you are not using the Resources, delete the resource group.