😊 Parameters Secure String
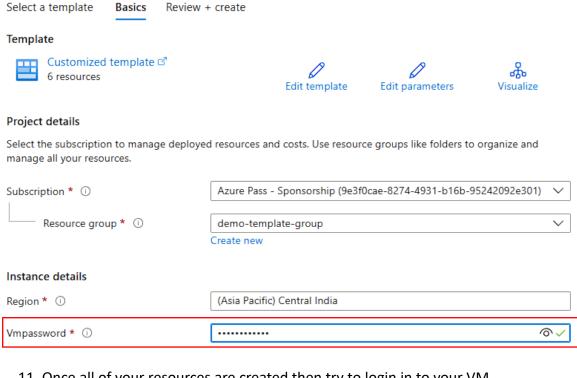
1. In the previous lab we created our very first Virtual Machine using template deployment.
2. So, while writing the code, when it comes to admin and password for the VM we hard-coded the password which is not a secure method.
3. This time around we are going to do the same but, in the parameters, we will pass a secure string so that we don't need to show our password to anybody.
4. Now in your VS Code, create a new file for this lab and copy all the code from your previous lab for VM.
5. Below you can see that we have passed a parameter with type secure string.

```
"parameters": {
    "vmpassword": {
        "type": "securestring",
        "metadata": {
            "description": "Please enter the admin password"
        }
    }
}
```

6. And here we have described admin password as parameters.

```
"osProfile": {
    "computerName": "demo-windows-vm",
    "adminUsername": "demousr",
    "adminPassword": "[parameters('vmpassword')]"
```

7. Now go to Azure Portal and deploy your template.
8. Now once you have pasted the code in your template, click on save.
9. Then you will see that this time around it is asking you enter the password which is a secure method.
10. Now just go ahead and create your template.

Template

⊞ **Customized template** ⧉
6 resources

✏️ Edit template   ✏️ Edit parameters   � Visualize

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ

| Azure Pass - Sponsorship (9e3f0cae-8274-4931-b16b-95242092e301) | ⌄ |

Resource group * ⓘ

| demo-template-group | ⌄ |

Create new

Instance details

Region * ⓘ

| (Asia Pacific) Central India |

Vmpassword * ⓘ

| •••••••••••• | 👁 ✓ |

11. Once all of your resources are created then try to login in to your VM.

✅ Your deployment is complete

Deployment name : Microsoft.Template-20240406171358   Start time   : 4/6/2024, 5:14:00 PM
Subscription   : Azure Pass - Sponsorship (9e3f0cae-8274-4931-b16b-95242092e301)   Correlation ID : 4d1945f8-6e23-4a85-b134-c5d849164b3b
Resource group : demo-template-group

⌄ **Deployment details**

Resource	Type	Status	Operation details
✅ demo-windows-vm	🖥 Virtual machine	OK	Operation details
✅ demotemp010101201	▭ Storage account	OK	Operation details
✅ demo-interface	🖧 Network interface	Created	Operation details
✅ demo-ip	▭ Public IP address	OK	Operation details
✅ demo-network	‹·› Virtual network	OK	Operation details
✅ demo-nsg	🛡 Network security group	OK	Operation details

12. Now below you can see that it is asking me to enter the password which means that we have made the connection successfully.

Windows Security ✕

Enter your credentials

These credentials will be used to connect to 74.225.201.246.

demousr

Password

☐ Remember me

More choices

OK   Cancel

13. Below is the VM setting itself successfully.

🔲 demo-windows-vm (1) - 74.225.201.246:3389 - Remote Desktop Connection   — ☐ ✕

📇 Server Manager

⬅️➡️ ▾   Server Manager ‣ Dashboard

📇 Server Manager   ✕

🔲 Dashb

▌ Local S

🖬 All Ser

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☐ Don't show this message again

ocal server

eatures

rs to manage

group

5 Connect this server to cloud services

LEARN MORE

ROLES AND SERVER GROUPS
Roles: 0 | Server groups: 1 | Servers total: 1

▌ Local Server   1   🖬 All Servers   1