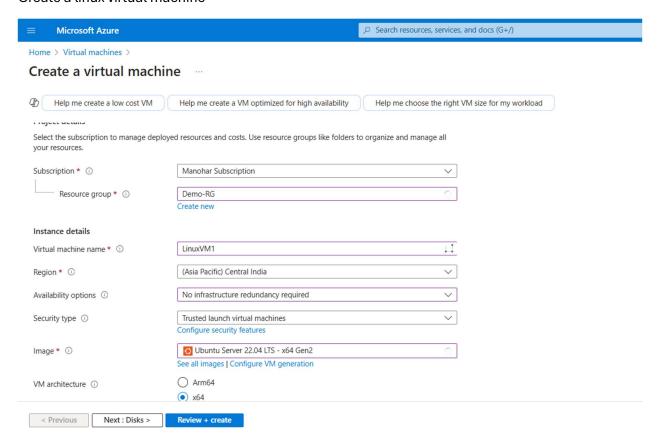
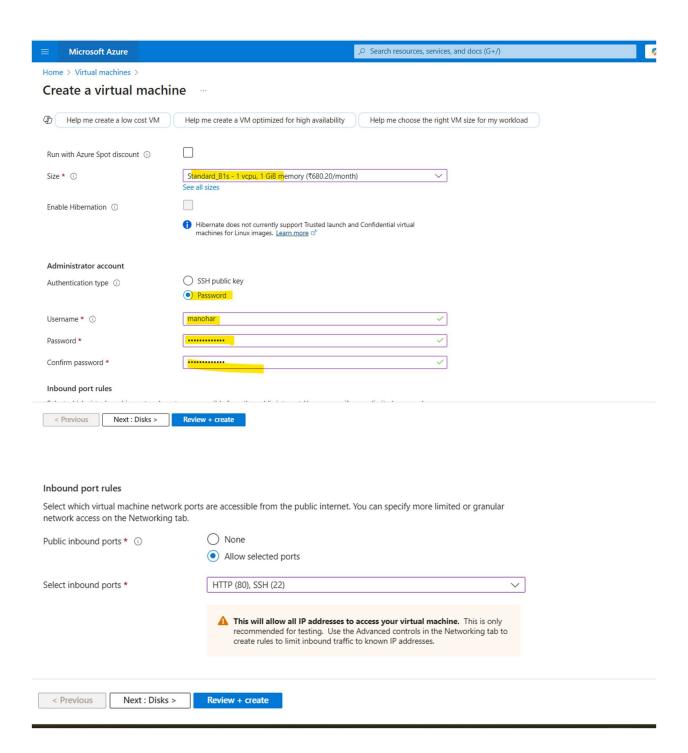
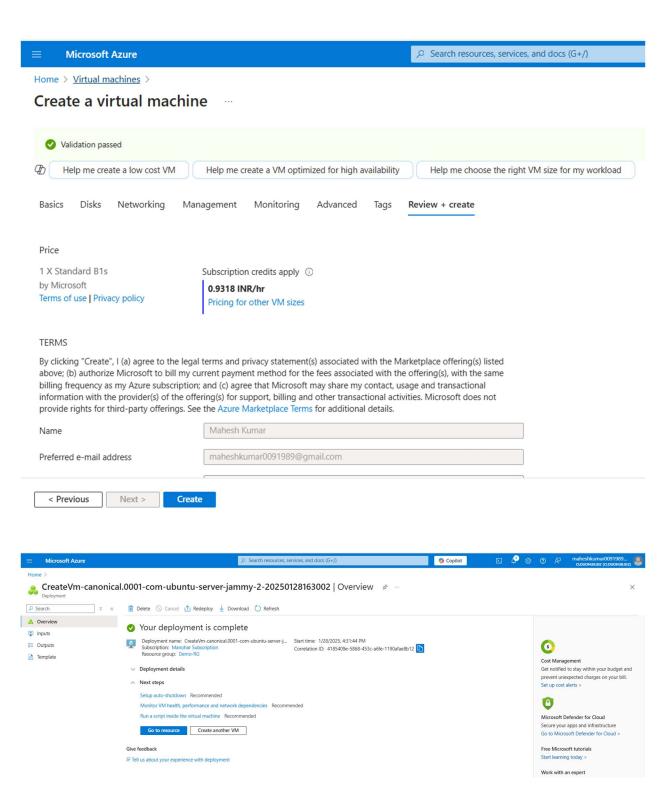
Create a linux virtual machine







Connect to the VM and install nginx web server

```
manohar@LinuxVM1: ~
 System information as of Tue Jan 28 11:02:57 UTC 2025
   System load:
                  0.52
                                                                     109
  Usage of /: 5.2% of 28.89GB
Memory usage: 32%
                                       Users logged in:
                                         IPv4 address for eth0: 10.0.0.5
  Swap usage:
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates. See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.
 anohar@LinuxVM1:~$
```

Update the packages

```
Get:10 http://azure.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://azure.archive.ubuntu.com/ubuntu jammy-multiverse amd64 Packages [2398 kB]
Get:13 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [386 kB]
Get:13 http://azure.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [512 kB]
Get:15 http://azure.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [612 kB]
Get:16 http://azure.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [612 kB]
Get:17 http://azure.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1183 kB]
Get:18 http://azure.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1183 kB]
Get:19 http://azure.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [145 kB]
Get:19 http://azure.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [11.5 kB]
Get:20 http://azure.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [11.5 kB]
Get:21 http://azure.archive.ubuntu.com/ubuntu jammy-backports/main mad64 Packages [67.7 kB]
Get:22 http://azure.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.1 kB]
Get:24 http://azure.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [11.1 kB]
Get:25 http://azure.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [16.6 kB]
Get:26 http://azure.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [16.6 kB]
Get:27 http://azure.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [16.6 kB]
Get:28 http://azure.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [16.6 kB]
Get:29 http://azure.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [16.6 kB]
Get:21 http://azure.archive.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2014 kB]
Get:31 http://azure.archive.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2014 kB]
Get:31 http://azure.archive.ubuntu.com/ubuntu jammy-security/main amd6
```

```
Get:2 http://azure.archive.ubuntu.com/ubuntu jammy/main amd64 fontconfig-config all 2.13.1-4.2ubuntu5 [29.1 kB]
Get:3 http://azure.archive.ubuntu.com/ubuntu jammy/main amd64 libdeflate0 amd64 1.10-2 [70.9 kB]
Get:4 http://azure.archive.ubuntu.com/ubuntu jammy/main amd64 libfontconfig1 amd64 2.13.1-4.2ubuntu5 [131 kB]
Get:5 http://azure.archive.ubuntu.com/ubuntu jammy/main amd64 libjpeg-turb0 amd64 2.13.1-4.2ubuntu5 [134 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu jammy-main amd64 libjpeg-detb0 amd64 2.13.1-4.2ubuntu6 [134 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libjpeg-detb0 amd64 2.13.1-40.2ubuntu6 [22.04.1]
Get:7 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpegb amd64 2.13.1ubuntu6.22.04.1 [29.2 kB]
Get:8 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpegb amd64 2.3.0-Gubuntu0 22.04.2 [206 kB]
Get:9 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpegb amd64 1.3.0-Gubuntu0.10 [185 kB]
Get:10 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgd amd64 2.3.0-2ubuntu2.3 [129 kB]
Get:11 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgd amd64 2.3.0-2ubuntu2.3 [120 kB]
Get:12 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgd amd64 2.3.0-2ubuntu2.3 [120 kB]
Get:13 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgd amd64 2.3.0-2ubuntu2.3 [120 kB]
Get:14 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-Gubuntu14.5 [13.8 kB]
Get:15 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-Gubuntu14.5 [13.8 kB]
Get:16 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-Gubuntu14.5 [13.8 kB]
Get:18 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnginx-mod-stream amd64 1.18.0-Gubuntu14.5 [14.8 kB]
Get:18 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libng
```

Copy the public ip of the vm and paste it on the browser



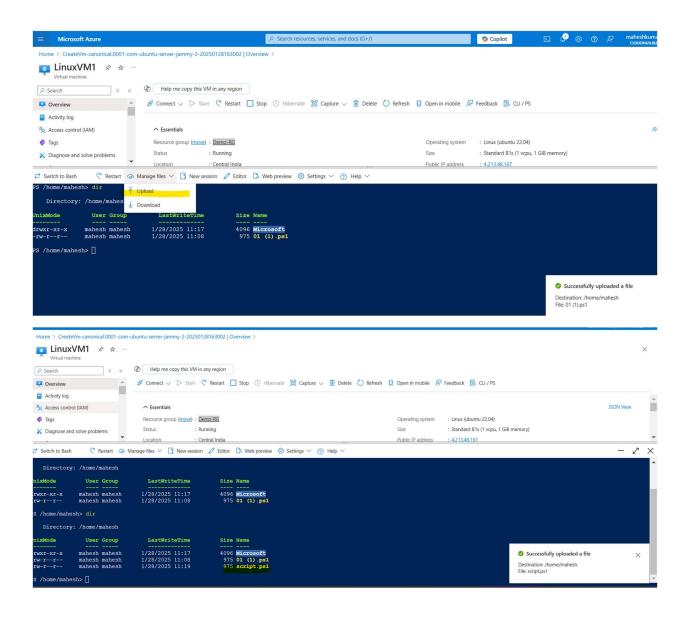
Navigate to the below path

```
manohar@LinuxVM1:/var/log/nginx$ dir
access.log error.log
manohar@LinuxVM1:/var/log/nginx$ more access.log
122.162.147.146 - - [28/Jan/2025:11:04:20 +0000] "GET / HTTP/1.1" 200 396 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
122.162.147.146 - - [28/Jan/2025:11:04:20 +0000] "GET /favicon.ico HTTP/1.1" 404 197 "http://4.213.48.167/" "Mozilla/5.0
(Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
manohar@LinuxVM1:/var/log/nginx$
```

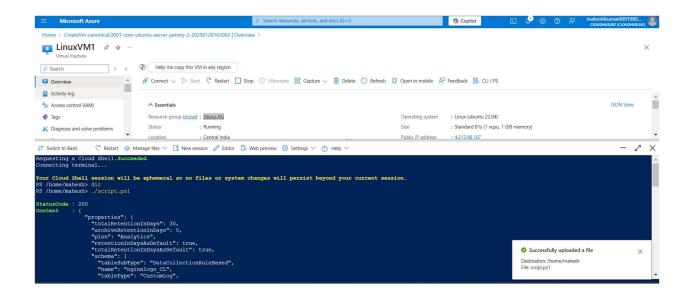
Create a custom table

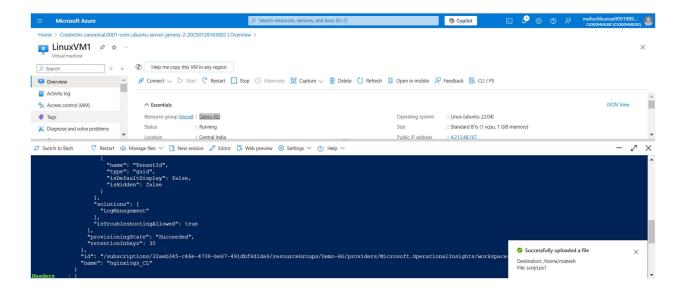
In the script file modify your subscription id, resource group and name of the log analytics workspace

Upload this file to cloud shell

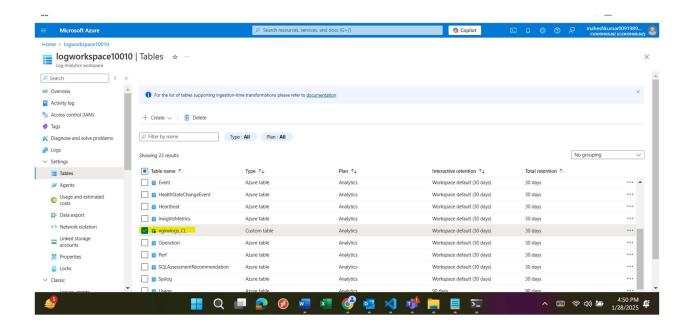


Execute the script

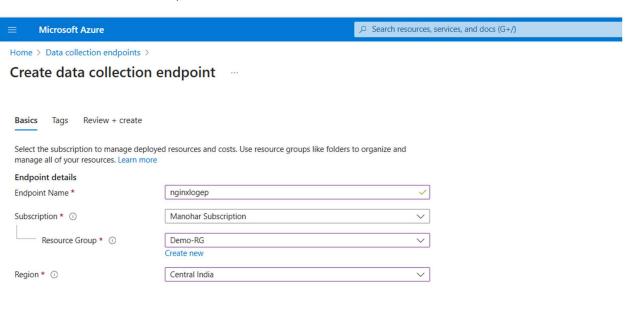




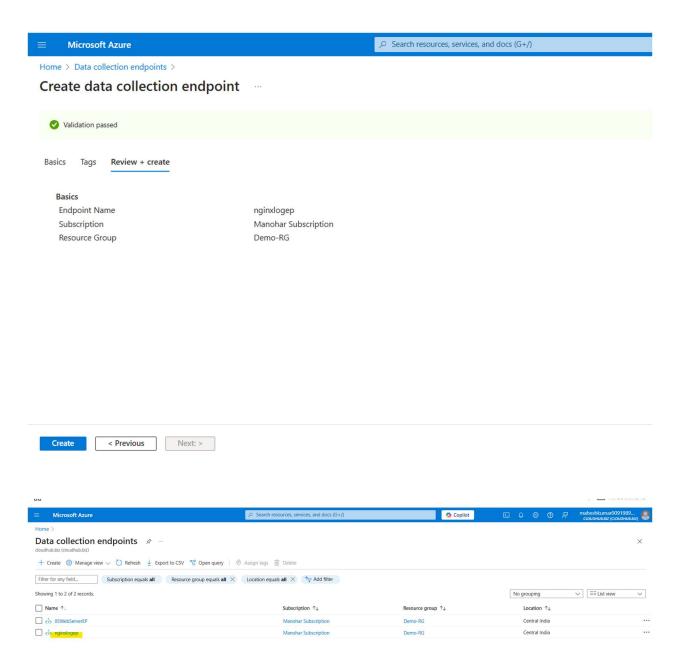
Custom table got created successfully.



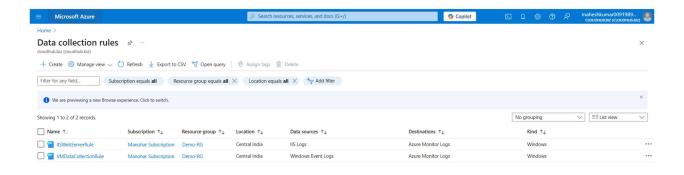
Create a data collection endpoint

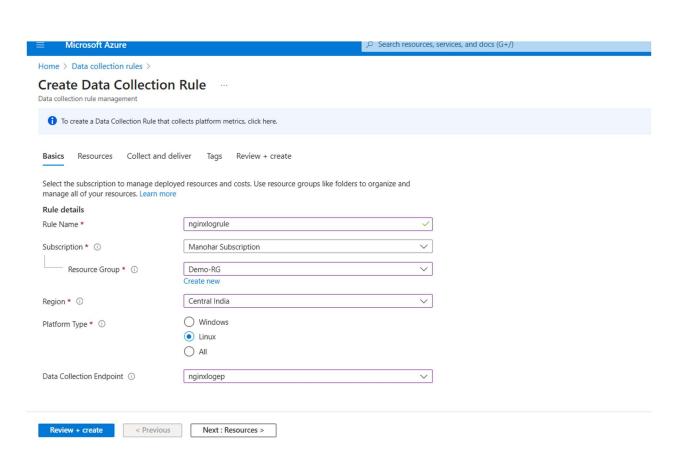


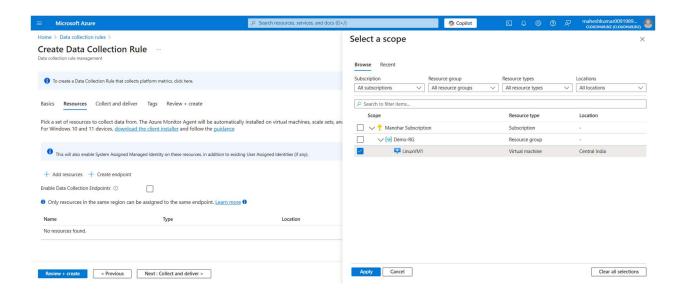
Review + create < Previous Next : Tags >

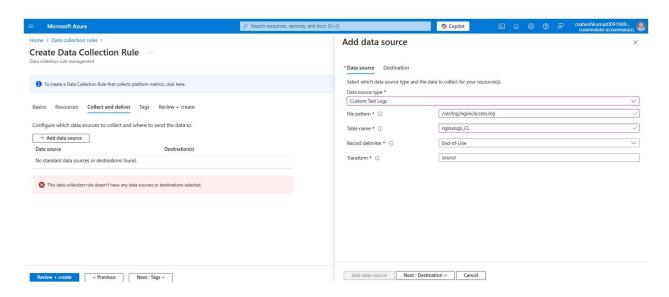


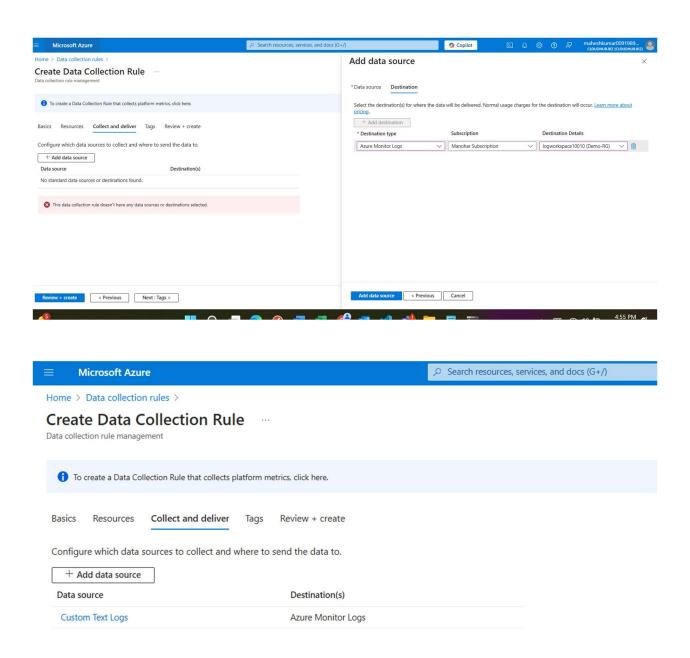
Create a new data collection rule



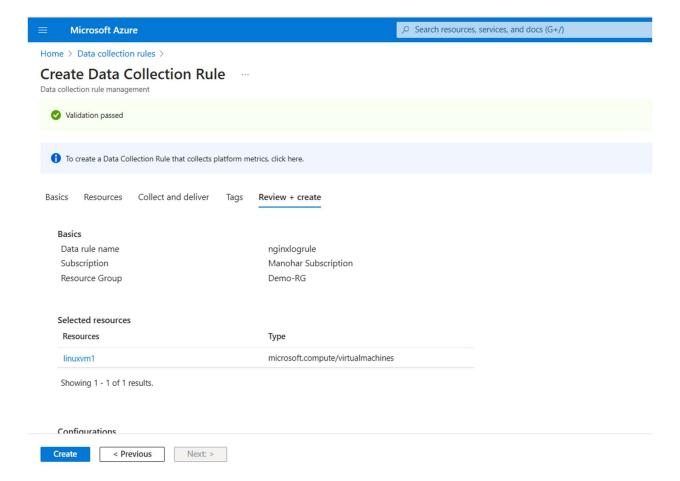


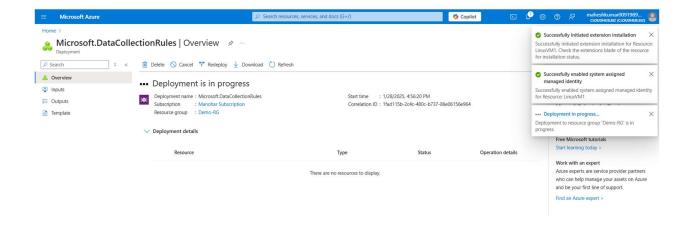


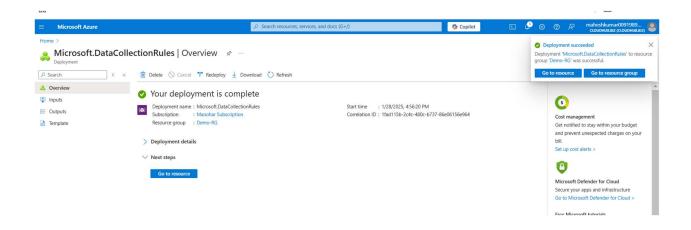




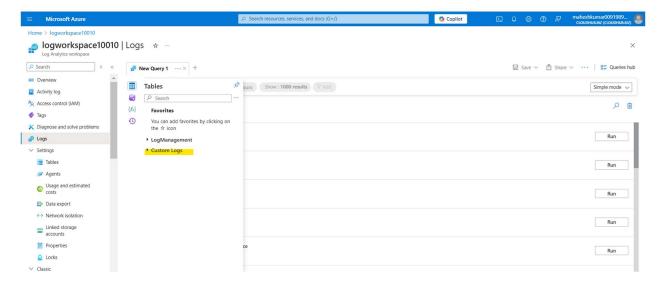
Next : Tags >

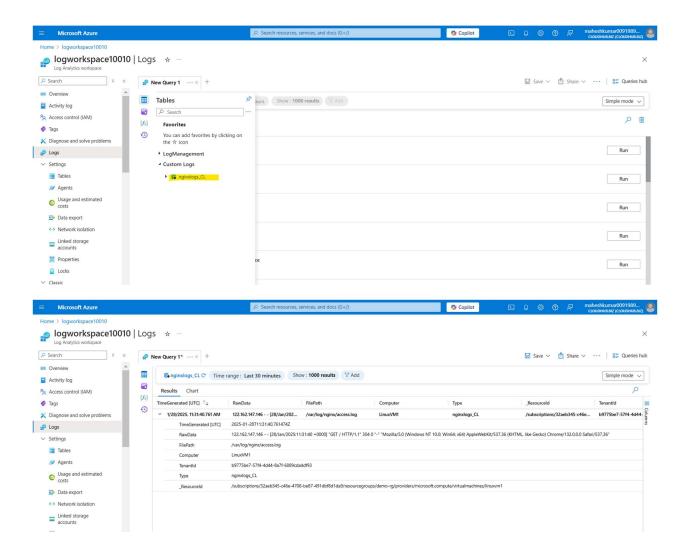






Logs successfully sent to the log analytics workspace





We have successfully sent custom logs to the log analytics workspace.