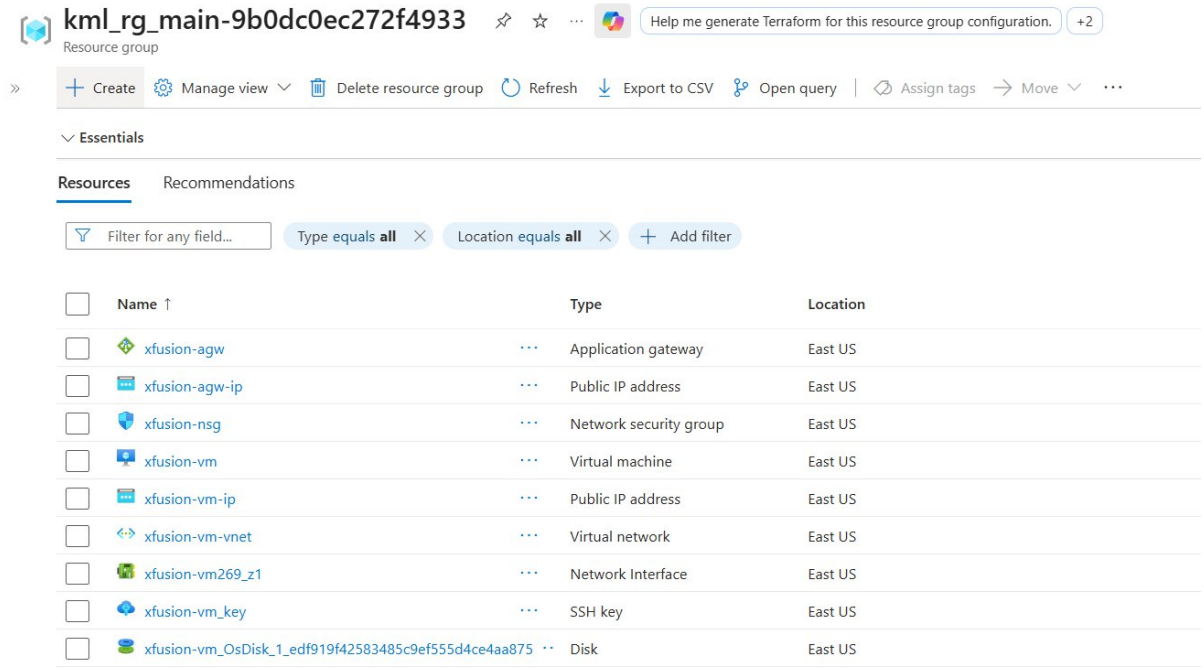
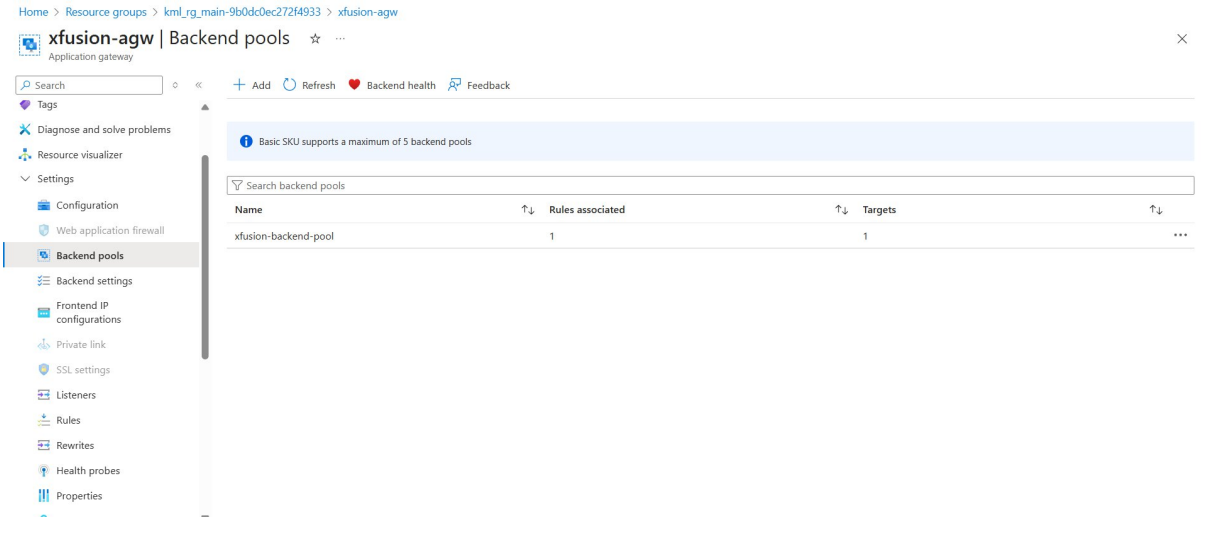
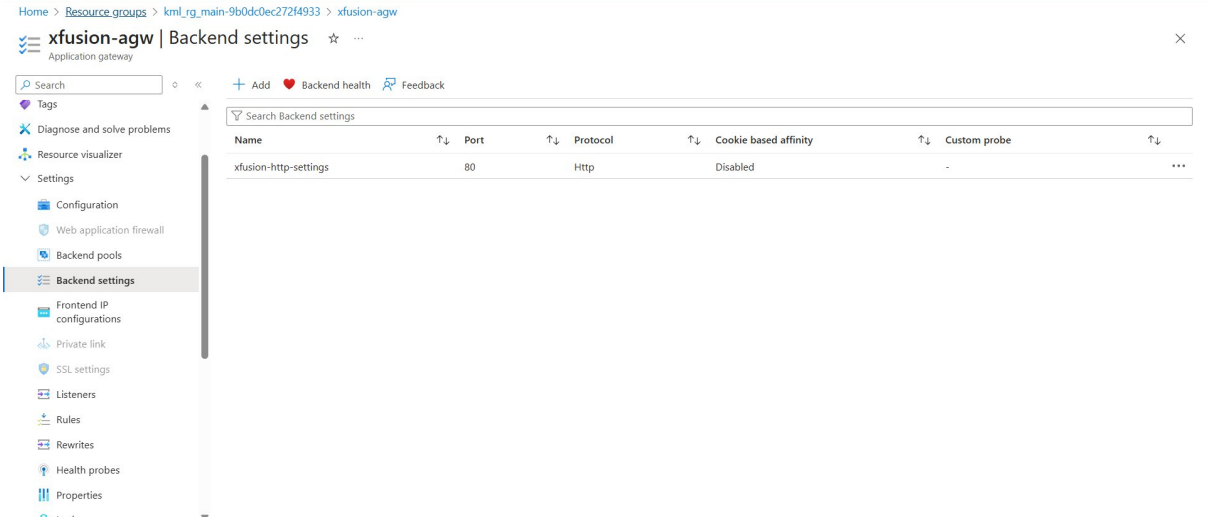
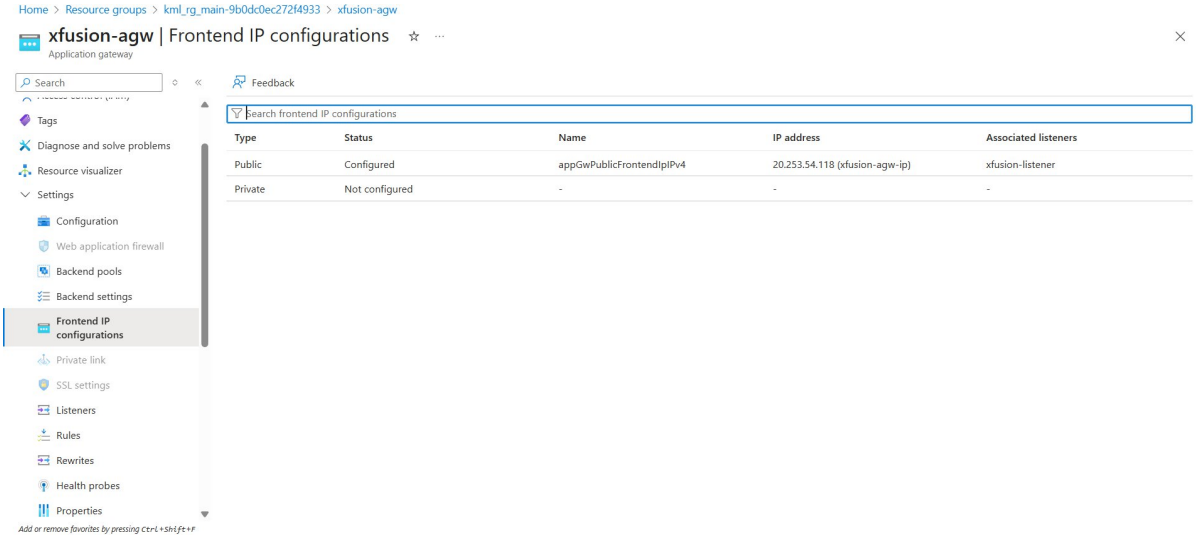
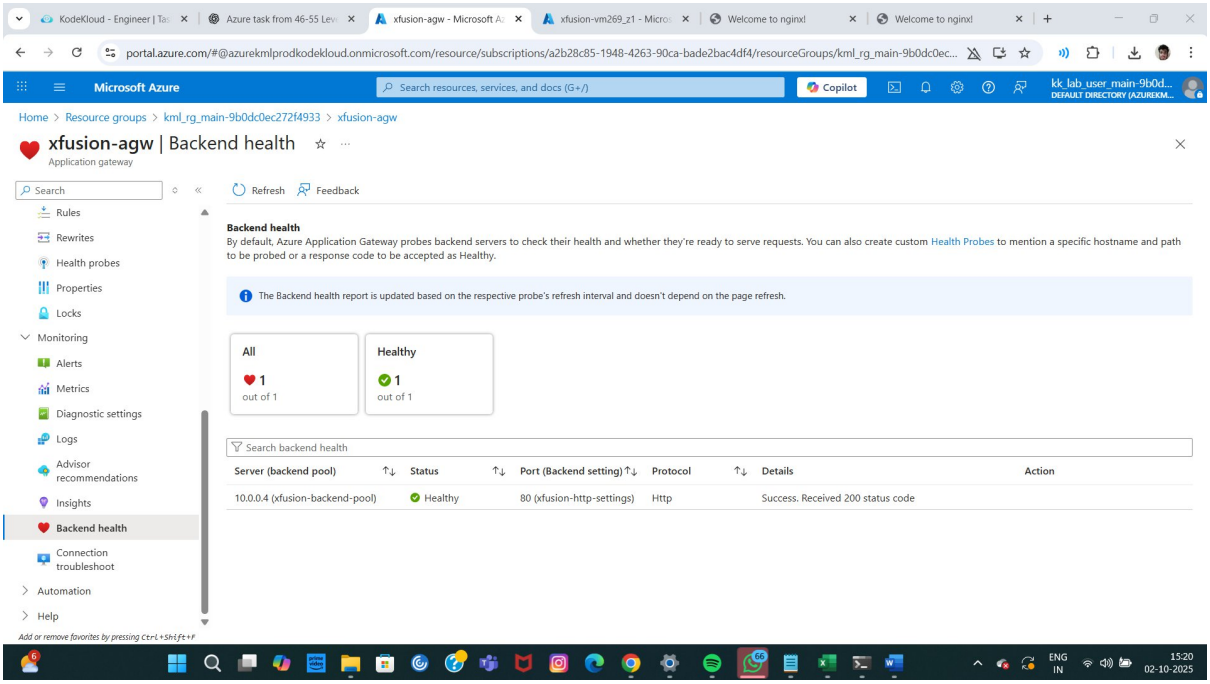

kml_rg_main-9b0dc0ec272f4933
Resource group
Help me generate Terraform for this resource group configuration.
+2
Create
Manage view
Delete resource group
Refresh
Export to CSV
Open query
Assign tags
Move
Essentials
Resources
Recommendations
Filter for any field...
Type equals all
Location equals all
Add filter
Name
Type
Location
xfusion-agw
Application gateway
East US
xfusion-agw-ip
Public IP address
East US
xfusion-nsg
Network security group
East US
xfusion-vm
Virtual machine
East US
xfusion-vm-ip
Public IP address
East US
xfusion-vm-vnet
Virtual network
East US
xfusion-vm269_z1
Network Interface
East US
xfusion-vm_key
SSH key
East US
xfusion-vm_OsDisk_1_edf919f42583485c9ef555d4ce4aa875
Disk
East US

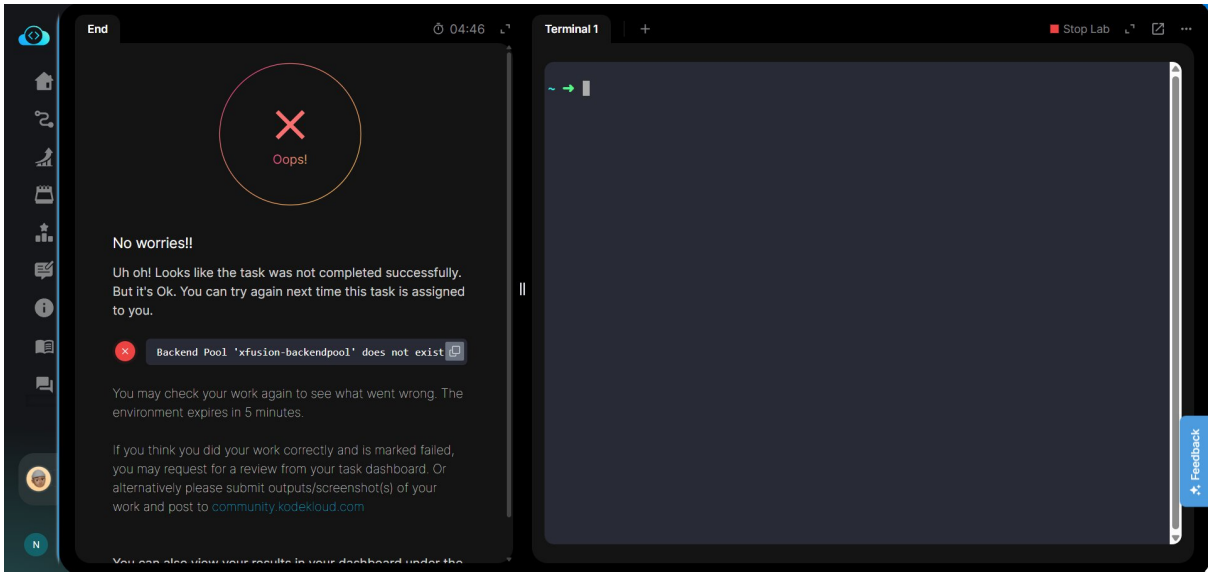

Home > Resource groups > kml_rg_main-9b0dc0ec272f4933 > xfusion-agw
xfusion-agw | Backend pools
Application gateway
Search
Add
Refresh
Backend health
Feedback
Tags
Diagnose and solve problems
Resource visualizer
Settings
Configuration
Web application firewall
Backend pools
Backend settings
Frontend IP configurations
Private link
SSL settings
Listeners
Rules
Rewrites
Health probes
Properties
Basic SKU supports a maximum of 5 backend pools
Search backend pools
Name
Rules associated
Targets
xfusion-backend-pool
1
1


Home > Resource groups > kml_rg_main-9b0dc0ec272f4933 > xfusion-agw
xfusion-agw | Backend settings
Application gateway
Search
Add
Backend health
Feedback
Tags
Diagnose and solve problems
Resource visualizer
Settings
Configuration
Web application firewall
Backend pools
Backend settings
Frontend IP configurations
Private link
SSL settings
Listeners
Rules
Rewrites
Health probes
Properties
Search Backend settings
Name
Port
Protocol
Cookie based affinity
Custom probe
xfusion-http-settings
80
Http
Disabled
-


Home > Resource groups > kml_rg_main-9b0dc0ec272f4933 > xfusion-agw
xfusion-agw | Frontend IP configurations
Application gateway
Search
Feedback
Tags
Diagnose and solve problems
Resource visualizer
Settings
Configuration
Web application firewall
Backend pools
Backend settings
Frontend IP configurations
Private link
SSL settings
Listeners
Rules
Rewrites
Health probes
Properties
Add or remove favorites by pressing Ctrl+Shift+F
Search frontend IP configurations
Type
Status
Name
IP address
Associated listeners
Public
Configured
appGwPublicFrontendIpIPv4
20.253.54.118 (xfusion-agw-ip)
xfusion-listener
Private
Not configured
-
-
-


KodeKloud - Engineer | Ta
Azure task from 46-55 Lev
xfusion-agw - Microsoft A
xfusion-vm269_z1 - Micro
Welcome to nginx!
Welcome to nginx!
portal.azure.com/#@azurekmlprodkodekloud.onmicrosoft.com/resource/subscriptions/a2b28c85-1948-4263-90ca-bade2bac4df4/resourceGroups/kml_rg_main-9b0dc0ec...
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
kk_lab_user_main-9b0d...
DEFAULT DIRECTORY (AZUREKM...
Home > Resource groups > kml_rg_main-9b0dc0ec272f4933 > xfusion-agw
xfusion-agw | Backend health
Application gateway
Search
Refresh
Feedback
Rules
Rewrites
Health probes
Properties
Locks
Monitoring
Alerts
Metrics
Diagnostic settings
Logs
Advisor recommendations
Insights
Backend health
Connection troubleshoot
Automation
Help
Add or remove favorites by pressing Ctrl+Shift+F
Backend health
By default, Azure Application Gateway probes backend servers to check their health and whether they're ready to serve requests. You can also create custom Health Probes to mention a specific hostname and path to be probed or a response code to be accepted as Healthy.
The Backend health report is updated based on the respective probe's refresh interval and doesn't depend on the page refresh.
All
1
out of 1
Healthy
1
out of 1
Search backend health
Server (backend pool)
Status
Port (Backend setting)
Protocol
Details
Action
10.0.0.4 (xfusion-backend-pool)
Healthy
80 (xfusion-http-settings)
Http
Success. Received 200 status code
ENG
IN
15:20
02-10-2025

Error



The Nautilus Development Team needs to set up a new Azure Virtual Machine (VM) and configure it to run a web server. This VM should be part of an Azure Application Gateway (AGW) setup to ensure high availability and better traffic management. The task involves creating a VM, setting up an AGW, configuring a backend pool, and ensuring the web server is accessible via the AGW public IP. Create a Network Security Group (NSG): Create an NSG named xfusion-nsg to allow inbound traffic on port 80. Create a Virtual Machine: Create a VM named xfusion -vm. Use any available Ubuntu image to create this instance. Configure the instance to run a user data script during its launch. This script should: Install the Nginx package. Start the Nginx service. Set up an Application Gateway: Set up an Azure Application Gateway named xfusion -agw with the following: Associate it with a public IP address named xfusion -agw-ip. Attach the backend pool to the VM. Configure HTTP Settings: Create an HTTP setting named xfusion -http-settings on port 80. Route Traffic: Add a listener named xfusion -listener and a routing rule named xfusion -routing-rule to route traffic from the AGW frontend to the backend pool. NSG Adjustments: Make sure the NSG attached to the VM allows inbound traffic on port 80. Ensure the Nginx server running under xfusion -vm is accessible using the AGW public IP. Note: Wait for the Application Gateway resource to be fully deployed before proceeding with the next steps. Deployment may take several minutes to complete. Use below given Azure Credentials: (You can run the showcreds command on azure-client host to retrieve these credentials) Portal URL https://portal.azure.com Username kk_lab_user_main-29199ab629cb4078@azurekmlprodkodekloud.onmicrosoft.com Password 8K%ry&qSZ-s=8kLS Start Time Thu Oct 02 08:43:38 UTC 2025 End Time Thu Oct 02 09:43:38 UTC 2025 Notes: Create the resources only in the East US region.