



Andrei Pop <popand@gmail.com>

Terraform and GenAI Assignment

1 message

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Fri, Jan 23, 2026 at 1:44 PM

To: Andrei Pop <popand@gmail.com>

Cc: Ali Bidabadi <alib@fortinet.com>

Hi Andrei,

Thank you for your time speaking with me this morning.

As discussed, as part of the evaluation process, we would like to ask you to complete a technical exercise and presentation based on the attached diagram, using your own AWS account. Please approach this as if you were a cloud consultant meeting with a customer.

Requirements:

- The customer is migrating several virtual machines to AWS.
- The customer wants to establish connectivity across VPCs using FortiGate NGFW.
- You are required to deploy and present the Terraform code that implements the attached architecture.
- Establish an IPsec VPN tunnel between FortiGate-VM instances to enable secure network connectivity between the environments.
- Please use Terraform and automate as much as possible.

In addition, please develop an AI Agent in AWS (Amazon Bedrock) that takes the Terraform templates as input and generates a document describing, step by step, what the Terraform code does. You are free to pick any agent framework you like.

Guidelines & Recommendations:

- Assume the audience is not familiar with the technical details. I recommend kicking off with a single slide outlining the architecture, objectives, and any relevant assumptions or housekeeping items.
- Automate as much as possible using Terraform. You must run the terraform during the presentation session.
- The final solution should support end-to-end network connectivity between resources in both environments (for example, VM instances should be able to communicate over private IPs across different VPCs).
- You will have **1:30 hour** to present and execute the Terraform code and clarify questions.

It is confirmed on Feb-3rd at 10AM (PST). You should receive an invitation soon.

Feel free to reach me out if you have any question or concern.

Looking forward to your presentation.

BR,

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