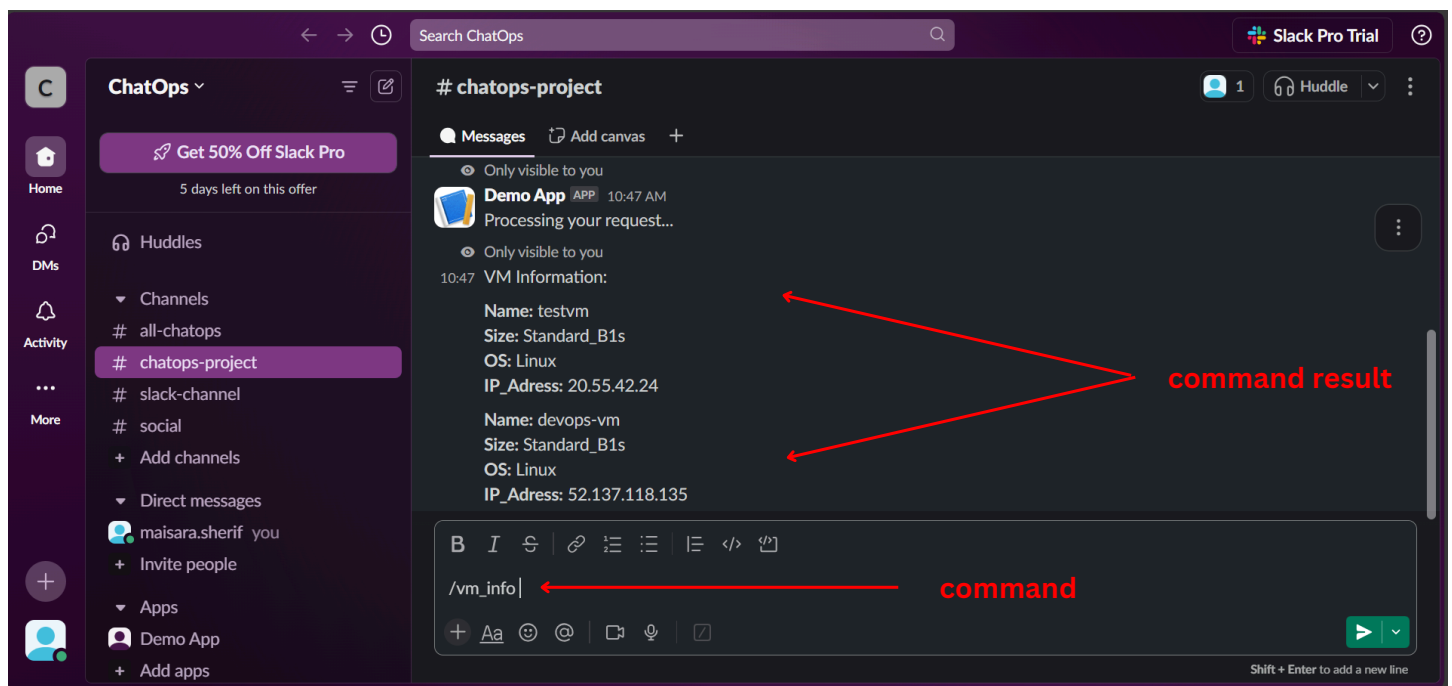


# ChatOps with Slack

integrating my infrastructure environment (e.g. Azure) with a communication platform (e.g. slack) using a Slack bot that would enable me to control and interact with infrastructure resources easily, Enhancing operational efficiency.

## Example:

- prompting the bot with a command to fetch information of all Virtual Machines in my environment: info such as VM name, type, OS image, and public IP address



- the response from the bot matches the state of my environment.

Virtual machines

Default Directory (maisarasherifmsmail.onmicrosoft.com)

+ Create ▾ Switch to classic Reservations ▾ Manage view ▾ Refresh Export to CSV Open query Assign tags Start Restart Stop ...

Filter for any field... Subscription equals all Type equals all Resource group equals all Location equals all Add filter

Showing 1 to 2 of 2 records. No grouping List view

<input checked="" type="checkbox"/>	Name ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating system ↑↓	Size ↑↓	Public IP address
<input type="checkbox"/>	devops-vm	Azure for Students	devops-resources	West US 2	Running	Linux	Standard_B1s	52.137.118.135
<input type="checkbox"/>	testvm	Azure for Students	testvm_group	East US	Running	Linux	Standard_B1s	20.55.42.24

- in the backend, the command sends a POST request to the API that runs a python script (available on my [GitHub](#)) to fetch the data from the environment.

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**Command**

/vm\_info



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**Request URL**

http://52.137.118.135:5000/execute



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**Short Description**

Retrieves all VMs info

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**Usage Hint**

[which rocket to launch]

Optionally list any parameters that can be passed.

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**Escape channels, users, and links sent to your app**



Unescaped: @user #general

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## Future plans

I intend to further expand the bot functionality by adding more commands that executes other types of tasks such as taking action on specific resources (e.g. create).