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Кафедра інформаційних технологій

Інформатика і програмування

Лабораторна робота No 3b

Тема: Manage Azure resources by using Azure Resource Manager Templates

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Група ІПЗ-43
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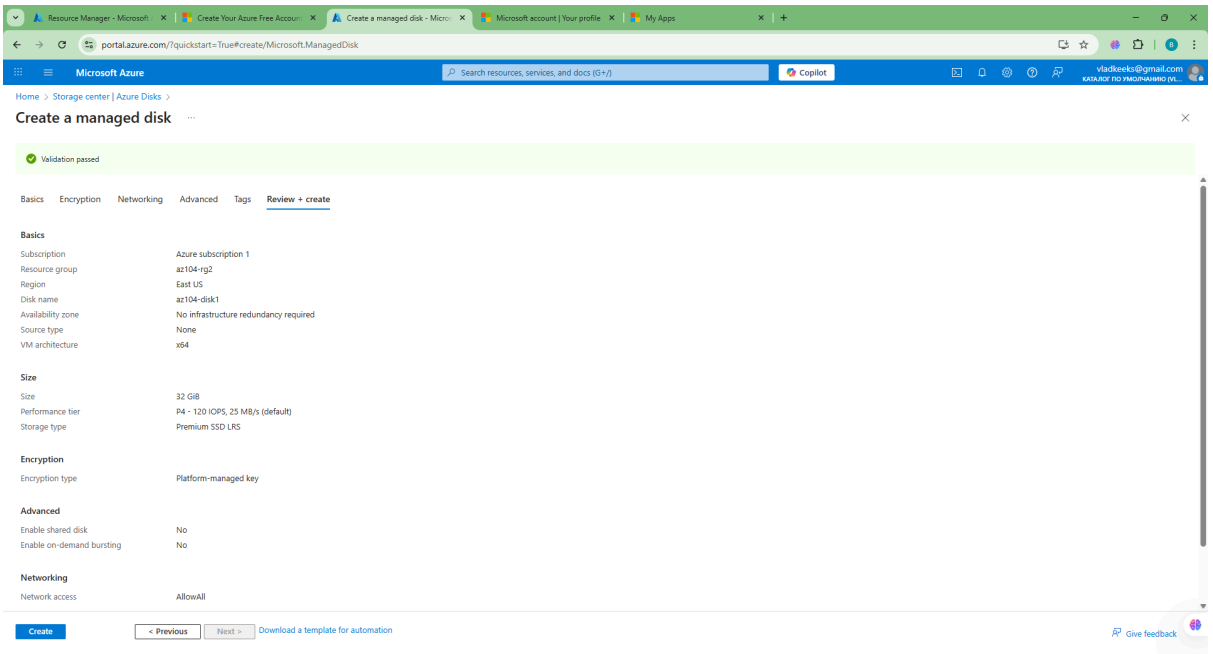
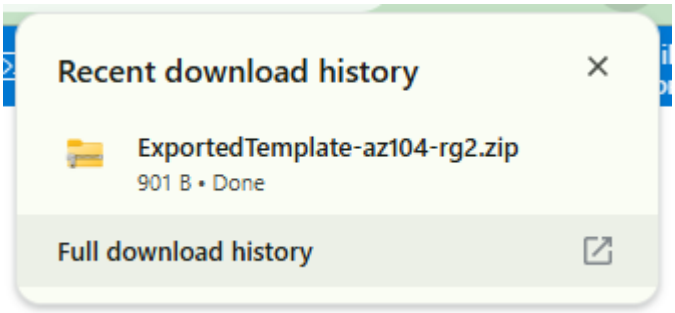
Викладач: Поварчук Д.Д

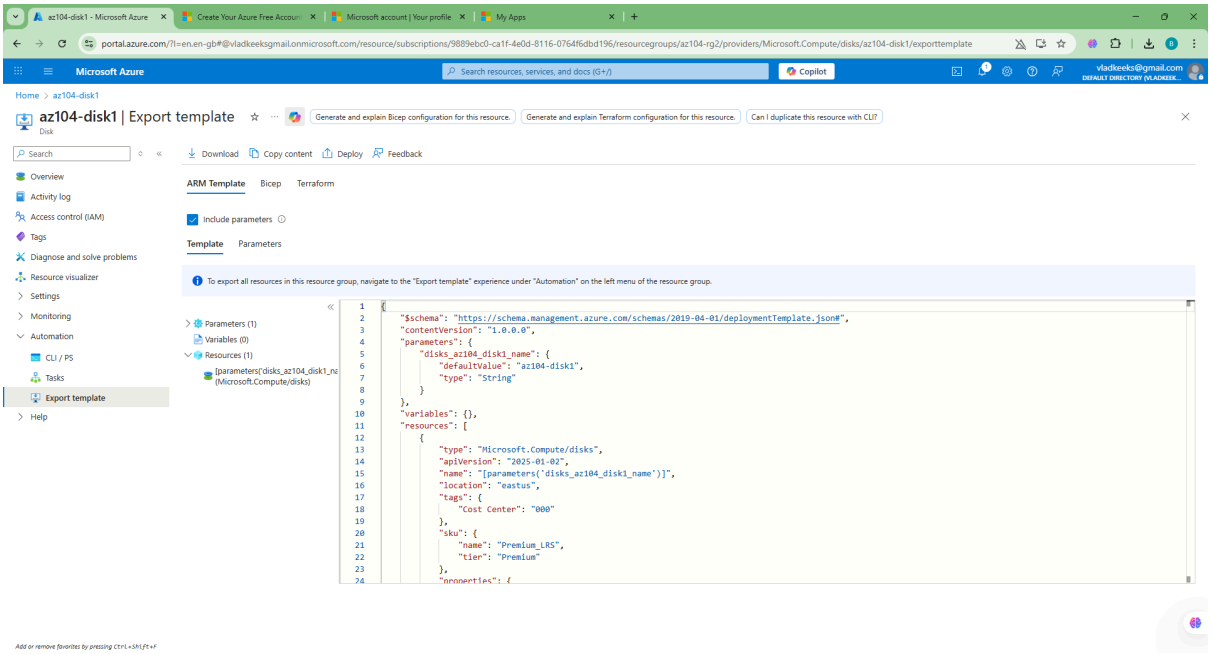
Івано-Франківськ – 2025

Task 1: Create an Azure Resource Manager template

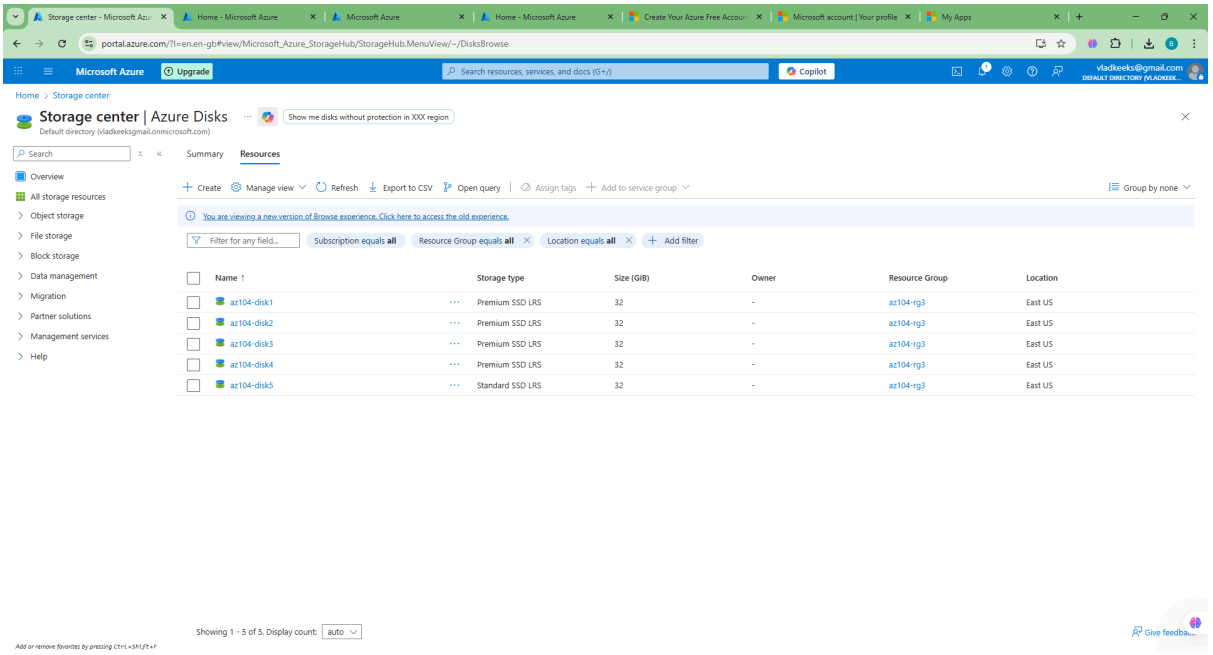
In this task, we will create a managed disk in the Azure portal. Managed disks are storage designed to be used with virtual machines. Once the disk is deployed you will export a template that you can use in other deployments.





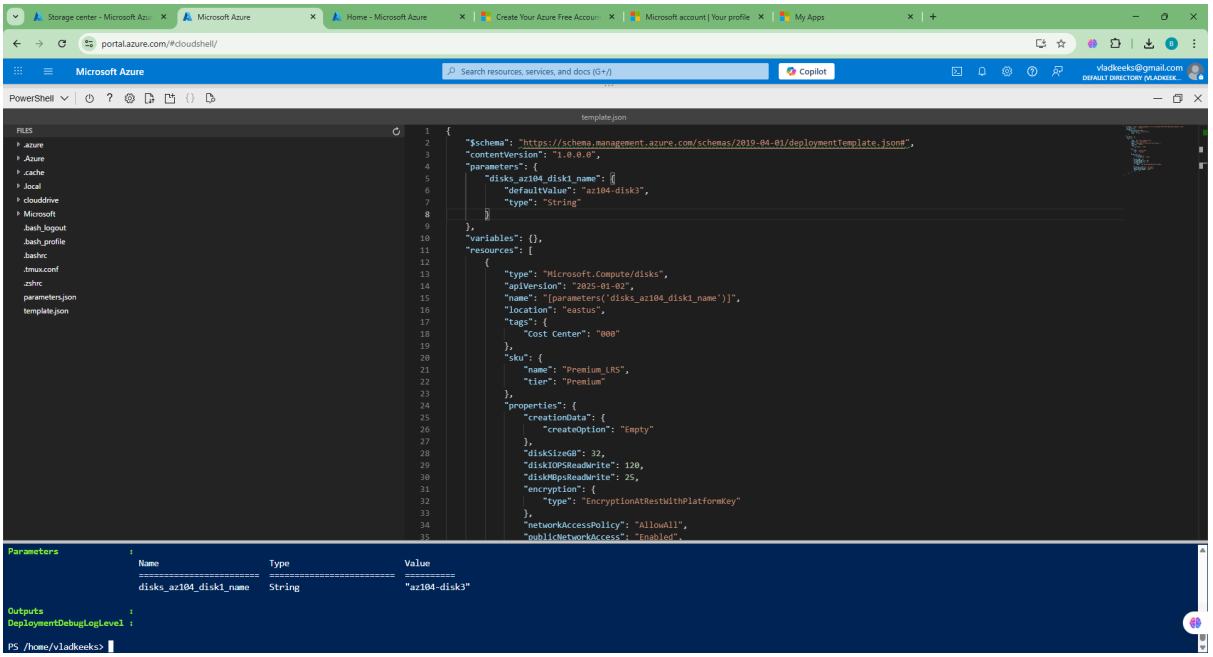


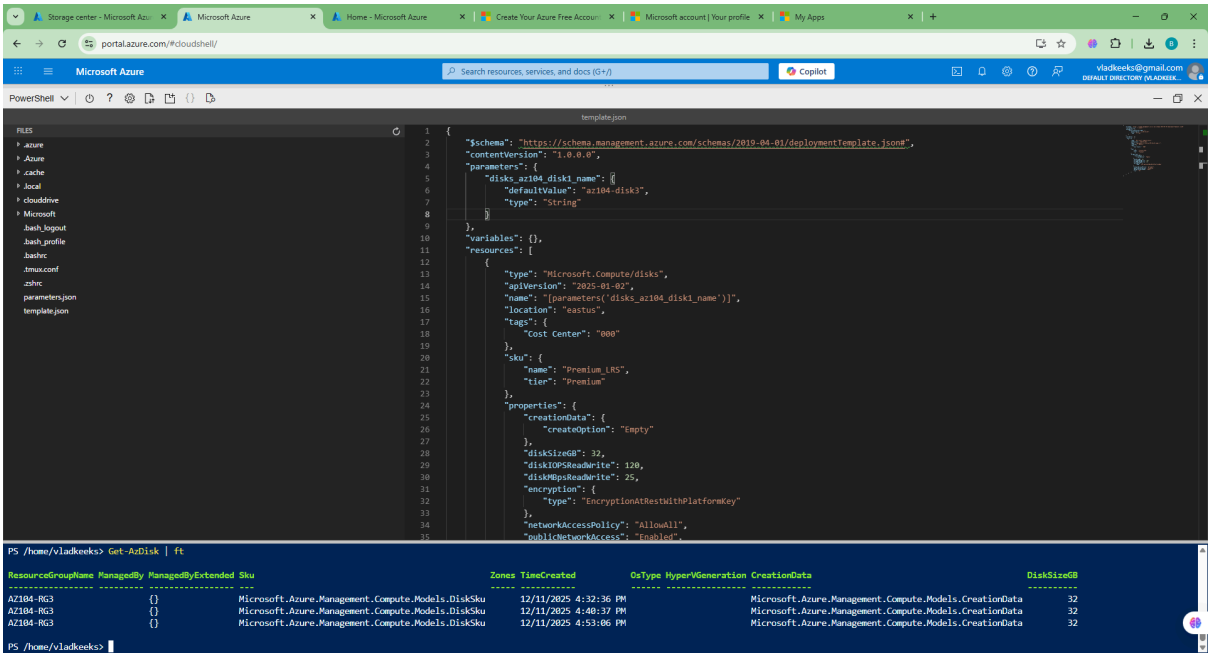
Task 2: Edit an Azure Resource Manager template and then redeploy the template



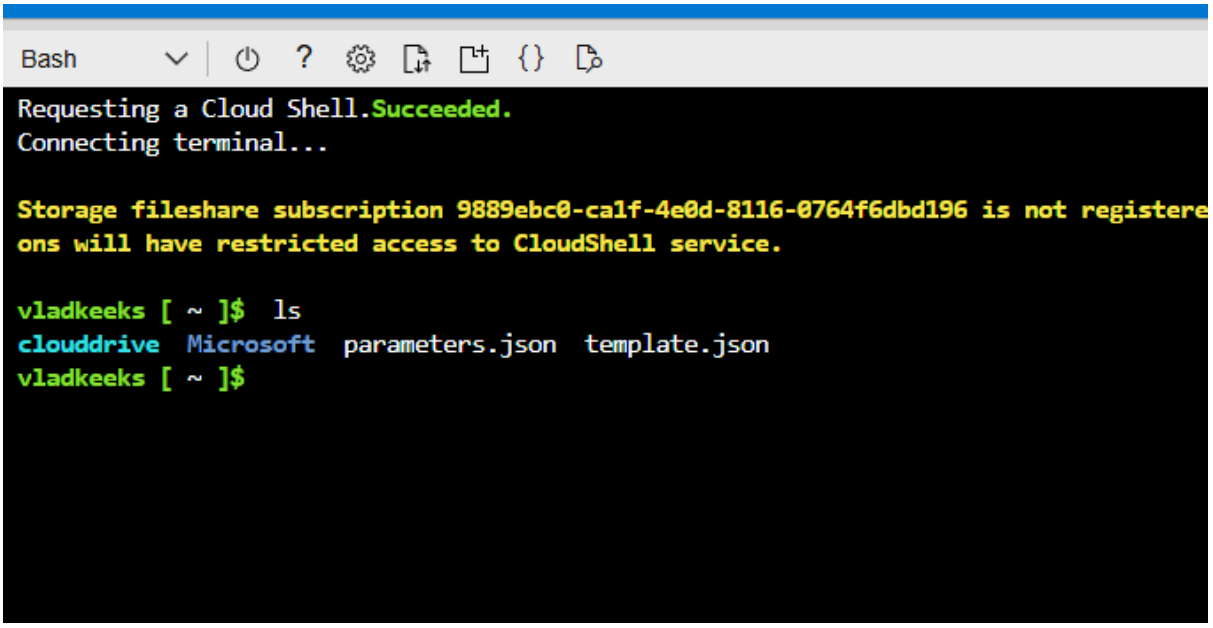
Task 3: Configure the Cloud Shell and deploy a template with PowerShell

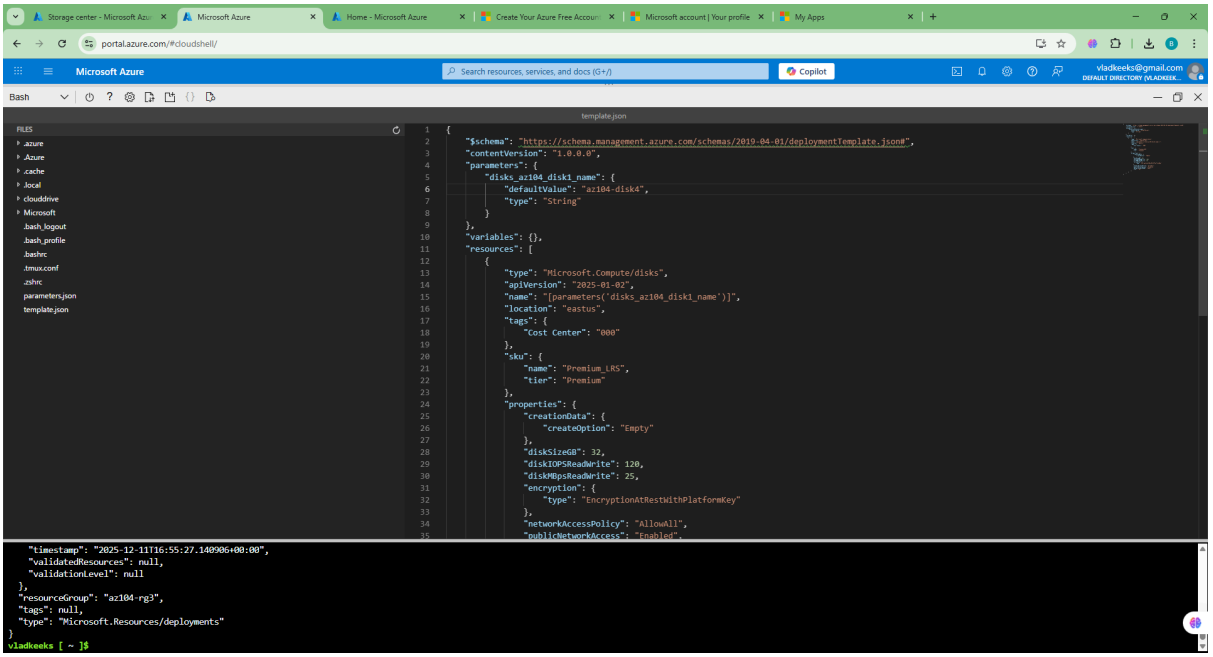
In this task, you work with the Azure Cloud Shell and Azure PowerShell. Azure Cloud Shell is an interactive, authenticated, browser-accessible terminal for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell. In this task, you use PowerShell to deploy a template.

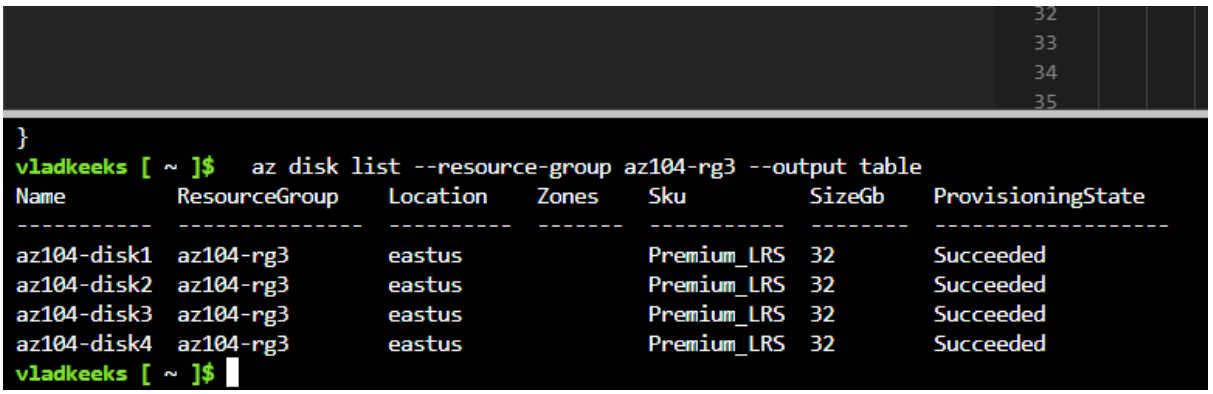




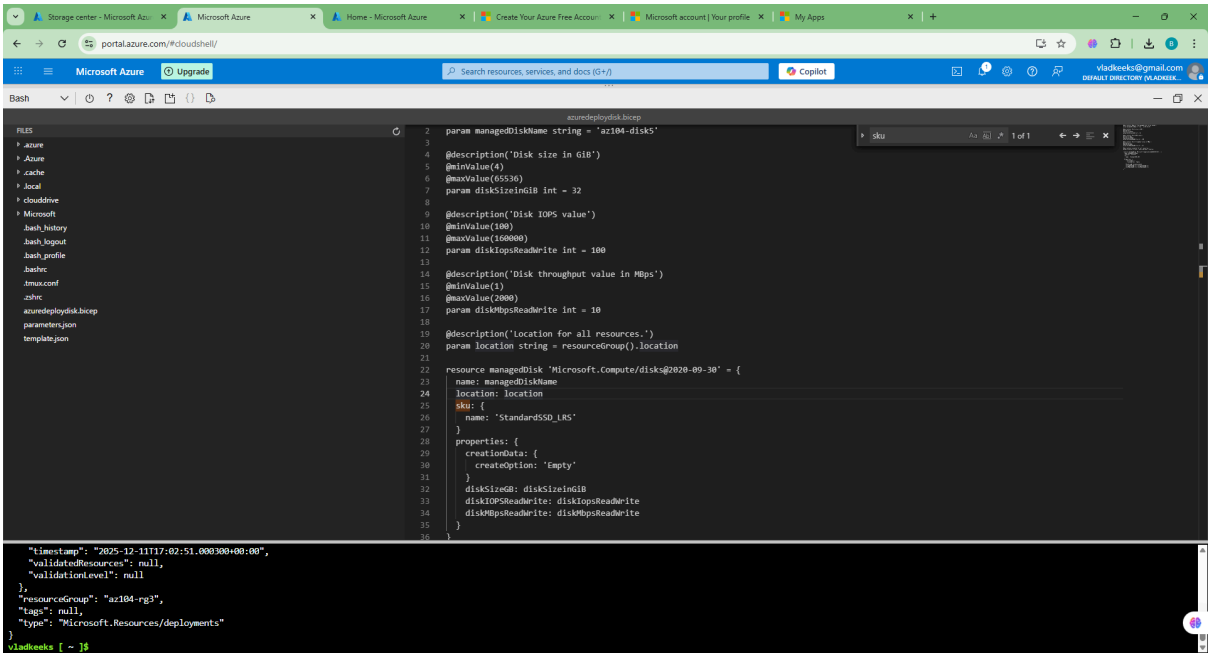
Task 4: Deploy a template with the CLI







Task 5: Deploy a resource by using Azure Bicep

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vladkeeks [ ~ ]$  az disk list --resource-group az104-rg3 --output table
Name          ResourceGroup    Location    Zones    Sku              SizeGb    ProvisioningState
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az104-disk1   az104-rg3        eastus               Premium_LRS      32        Succeeded
az104-disk2   az104-rg3        eastus               Premium_LRS      32        Succeeded
az104-disk3   az104-rg3        eastus               Premium_LRS      32        Succeeded
az104-disk4   az104-rg3        eastus               Premium_LRS      32        Succeeded
az104-disk5   az104-rg3        eastus               StandardSSD_LRS  32        Succeeded
vladkeeks [ ~ ]$
```