

Activity 10: Optimize Utilization

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IFT 562: Cloud Security & Operations for IT

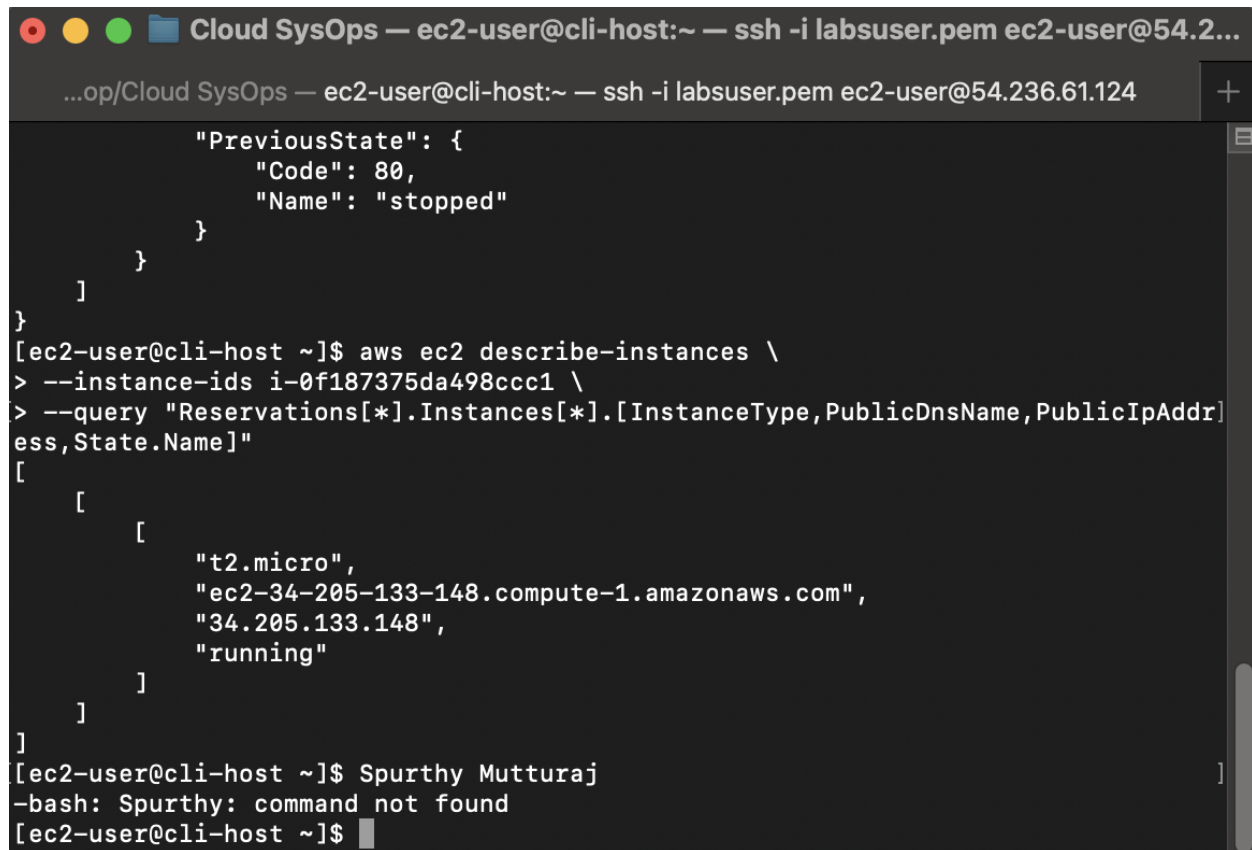
Daniel Wells

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Figure 1

A screenshot showing the status of ec2-instance.



```
Cloud SysOps — ec2-user@cli-host:~ — ssh -i labsuser.pem ec2-user@54.236.61.124
...op/Cloud SysOps — ec2-user@cli-host:~ — ssh -i labsuser.pem ec2-user@54.236.61.124

    "PreviousState": {
      "Code": 80,
      "Name": "stopped"
    }
  }
]
}
[ec2-user@cli-host ~]$ aws ec2 describe-instances \
> --instance-ids i-0f187375da498ccc1 \
> --query "Reservations[*].Instances[*].[InstanceType,PublicDnsName,PublicIpAddress,State.Name]"
[
  [
    [
      "t2.micro",
      "ec2-34-205-133-148.compute-1.amazonaws.com",
      "34.205.133.148",
      "running"
    ]
  ]
]
[ec2-user@cli-host ~]$ Spurthy Mutturaj
-bash: Spurthy: command not found
[ec2-user@cli-host ~]$
```

Figure 2

Screenshot of the estimate of just the ec2 instance for 131 GB of EBS.

The screenshot displays the AWS Pricing Calculator interface. At the top, a green notification bar states "Successfully added Amazon EC2 estimate." The main heading is "Add service" with an "Info" link. On the left, a sidebar shows the steps: "Step 1: Add service" (active), "Step 2: Configure service". The main content area is titled "AWS services (171)" and includes a "Bulk import" button and a "Cancel" button. There are two search options: "Search by location type" (selected) and "Search all services". Below these, there are dropdowns for "Choose a location type" (set to "Region") and "Choose a Region" (set to "US East (N. Virginia)"). A "Find Service" search bar is also present. Three service cards are displayed: "AWS Application Migration Service", "Amazon API Gateway", and "Amazon AppFlow". At the bottom, the cost summary shows: "Upfront cost: 0.00 USD", "Monthly cost: 29.89 USD", and "Total 12 months cost 358.68 USD (Includes upfront cost)". A "View summary" button is located to the right of the cost summary. The footer contains links for "Privacy", "Site terms", and "Cookie preferences", along with the copyright notice "© 2023, Amazon Web Services, Inc. or its affiliates. All rights reserved."

Note. Estimate is at the bottom and My ASU ID is: 1222367731

Figure 3

Screenshot of the estimate of ec2 instance paired with MariaDB instance for 131 GB of EBS and 131 GB MariaDB storage.

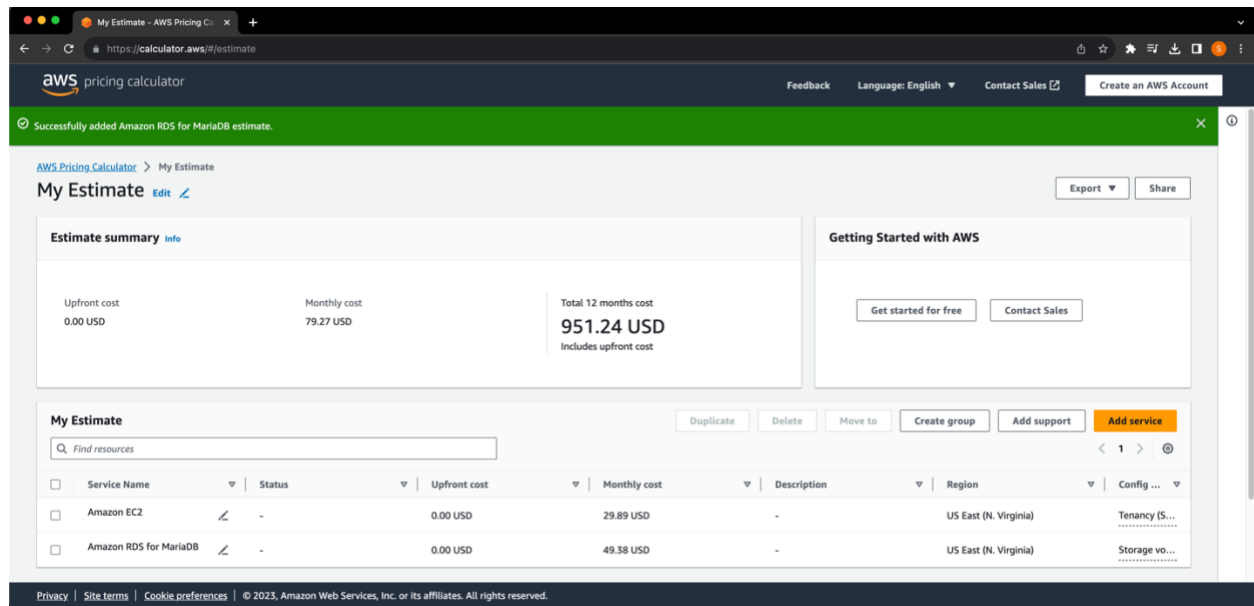


Figure 4

Screenshot of 111 GB of EBS volume (Task 2.2).

