

Peter Thompson, ID 940431152

Dr. David Pouliot

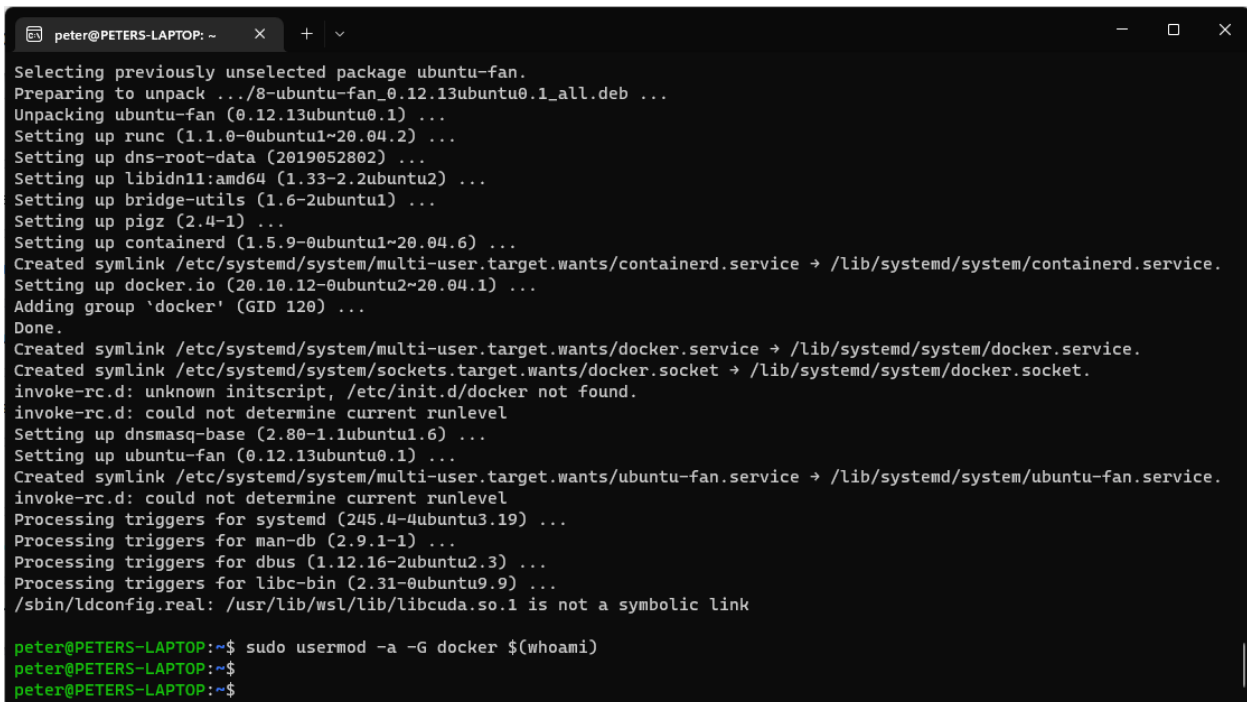
CS 356 – Cloud Computing

12 January 2023

Homework 1 – Cloud Computing

Linux Terminal

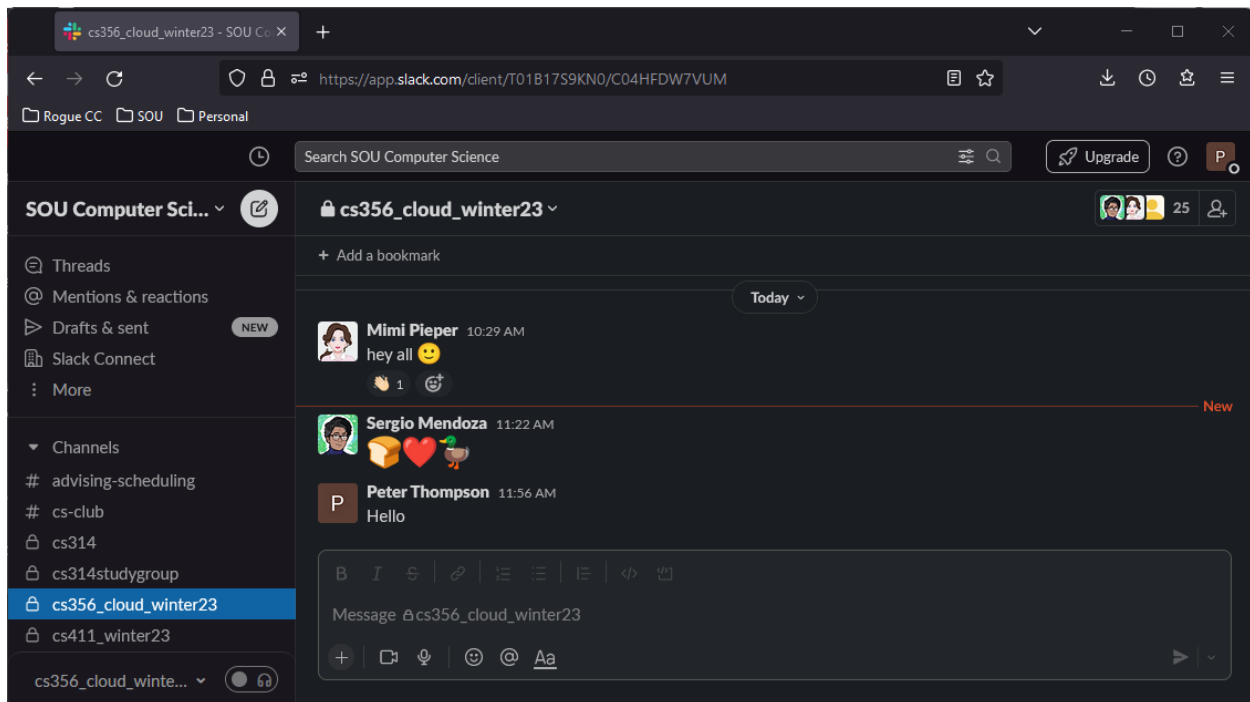
Screenshot of Linux terminal after installing docker:



```
peter@PETERS-LAPTOP: ~  
Selecting previously unselected package ubuntu-fan.  
Preparing to unpack .../8-ubuntu-fan_0.12.13ubuntu0.1_all.deb ...  
Unpacking ubuntu-fan (0.12.13ubuntu0.1) ...  
Setting up runc (1.1.0-0ubuntu1~20.04.2) ...  
Setting up dns-root-data (2019052802) ...  
Setting up libidn11:amd64 (1.33-2.2ubuntu2) ...  
Setting up bridge-utils (1.6-2ubuntu1) ...  
Setting up pigz (2.4-1) ...  
Setting up containerd (1.5.9-0ubuntu1~20.04.6) ...  
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.  
Setting up docker.io (20.10.12-0ubuntu2~20.04.1) ...  
Adding group 'docker' (GID 120) ...  
Done.  
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.  
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.  
invoke-rc.d: unknown initscript, /etc/init.d/docker not found.  
invoke-rc.d: could not determine current runlevel  
Setting up dnsmasq-base (2.80-1.1ubuntu1.6) ...  
Setting up ubuntu-fan (0.12.13ubuntu0.1) ...  
Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service → /lib/systemd/system/ubuntu-fan.service.  
invoke-rc.d: could not determine current runlevel  
Processing triggers for systemd (245.4-4ubuntu3.19) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for dbus (1.12.16-2ubuntu2.3) ...  
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...  
/sbin/ldconfig.real: /usr/lib/wsl/lib/libcudart.so.1 is not a symbolic link  
  
peter@PETERS-LAPTOP:~$ sudo usermod -a -G docker $(whoami)  
peter@PETERS-LAPTOP:~$  
peter@PETERS-LAPTOP:~$
```

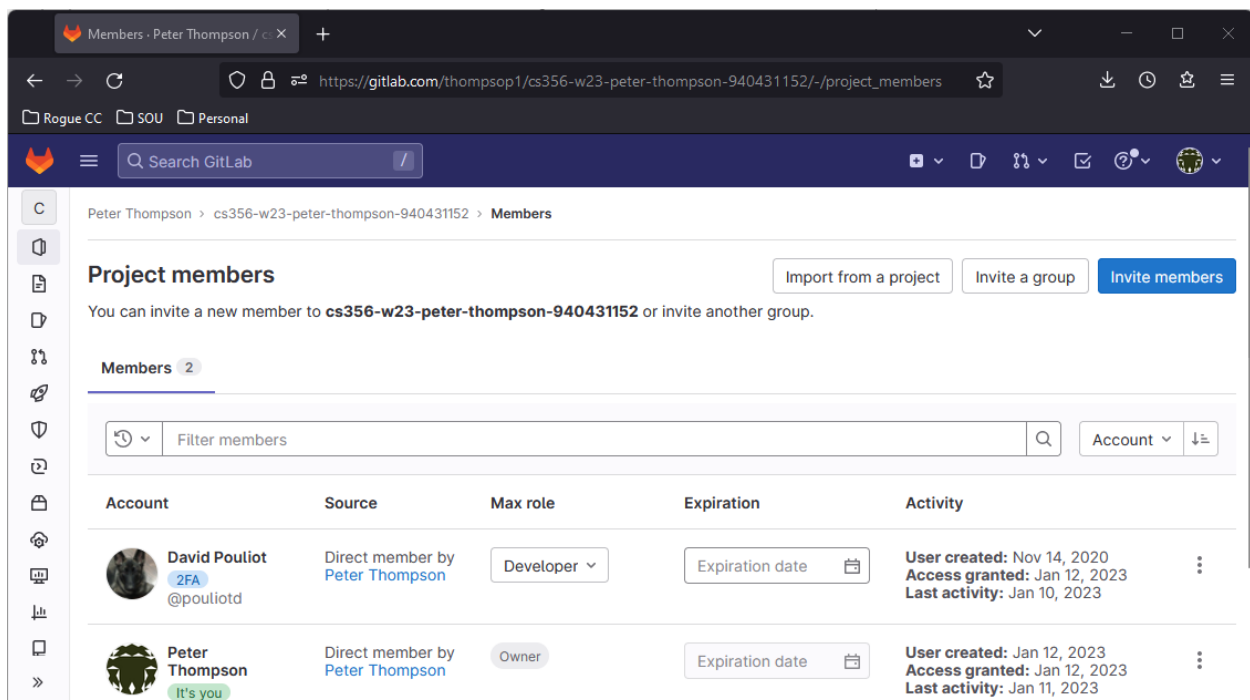
Slack

Screenshot of post in CS 356 Slack channel:



GitLab

Screenshot of GitLab project members:



Google Cloud

Screenshot of Google Cloud project:

The screenshot shows the Google Cloud project dashboard. The top navigation bar includes the Google Cloud logo, the user 'cs356-w23-Peter-Thompson', a search bar, and icons for products, resources, docs, and a user profile. The main content area is divided into three columns. The left column contains 'Project info' (Project name: cs356-w23-Peter-Thompson, Project number: 322909571544, Project ID: premium-canyon-374605) and 'Resources' (BigQuery). The middle column shows 'API APIs' with a line chart for 'Requests (requests/sec)' and a message 'No data is available for the selected time frame.' The right column displays 'Google Cloud Platform status' (Google Kubernetes Engine, Horizontal Pod Autoscaler (HPA) doesn't work in newly created GKE Minor version 1.24+ clusters) and 'Monitoring' (Create my dashboard, Set up alerting policies).

Screenshot of Google Cloud budget:

The screenshot shows the Google Cloud Billing page. The left sidebar contains a 'Billing' menu with options like Overview, Cost management, Reports, Cost table, Cost breakdown, Budgets & alerts (selected), Billing export, and Release Notes. The main content area is titled 'Budgets & alerts' and includes a '+ CREATE BUDGET' button and a 'DELETE' button. Below this, there is a description of budgets and a table of existing budgets. The table has columns for Budget name, Budget period, Budget type, Applies to, Trigger alerts at, and Spend and budget amount. One budget is listed: 'FivePerMonth' with a Monthly period, Specified amount type, and applies to 'This bill'.

Budget name	Budget period	Budget type	Applies to	Trigger alerts at	Spend and budget amount
FivePerMonth	Monthly	Specified amo...	This billi	50%, 90%, an...	

Microsoft Azure

Screenshot of Microsoft Azure account:

The screenshot shows the Microsoft Azure Education Overview page. The browser address bar displays the URL: https://portal.azure.com/#view/Microsoft_Azure_Education/EducationMenuBlade/~/overview. The page header includes the Microsoft Azure logo, a search bar, and the user's email: thomsop1@sou.edu, SOUTHERN OREGON UNIVERSIT... The main content area is titled "Education | Overview" and includes a sidebar with navigation links: Overview, Roles, Software, Learning, Templates, Need help?, and Support. The main content area is divided into three sections: "Get started", "Overview", and "Popular solutions". The "Overview" section displays "Student offer details" with the following information:

- Available credits: **\$100 out of \$100**
- Days until credits expire: **364** (Expires on 01/12/2024)
- January costs: **\$0.00**

The "Popular solutions" section lists several options:

- Deploy a Docker container: Create simple containers to host apps,
- Create your first Node.js app: Build and deploy web, mobile and API-based
- Create and train a Machine Learning model: Train, deploy, automate, manage, and track
- Build and deploy your first website: Automatically publish to web as your code

Screenshot of Microsoft Azure budget:

The screenshot shows the Microsoft Azure Cost Management Budgets page. The browser address bar displays the URL: https://portal.azure.com/#view/Microsoft_Azure_CostManagement/Menu/~/budgets. The page header includes the Microsoft Azure logo, a search bar, and the user's email: thomsop1@sou.edu, SOUTHERN OREGON UNIVERSIT... The main content area is titled "Cost Management: Peter Thompson | Budgets" and includes a sidebar with navigation links: Overview, Access control, Diagnose and solve problems, Cost Management, Cost analysis (preview), Cost analysis, Cost alerts, Budgets, Advisor recommendations, and Billing. The main content area displays a table of budgets for the scope "Peter Thompson".

Name	Scope	Reset period	Creation date	Expiration date	Budget
FivePerMonth	f88a5bd0-2a57-4d7c...	Monthly	1/1/2023	12/31/2024	\$5.00