

Being a BSD User

A talk about learning, teaching, &
building confidence

whoami

Started a company in 2011, where I built and maintained an online presence for a non-profit organization. I eventually taught the non-profit how to run their own infrastructure, and closed the business in early 2018

Working for The GLOBE Program (Global Learning and Observations to Benefit the Environment) at UCAR (University Corporation for Atmospheric Research) as a Helpdesk Technician

Working on my degree in Management Information Systems and Business Analytics, specializing in Information Technology Management

I study programming with Python to help me automate many of the things I've always done manually

My experience being a helpdesk technician has taught me that I really enjoy helping people learn how to accomplish their goals using technology



Why BSD?



Imposter Syndrome

the feeling that your achievements are not real or that you do not deserve praise or success:

Students from working-class backgrounds often suffer from impostor syndrome, a deep-seated sense that the world of high culture is not for them

<http://dictionary.cambridge.org>

**“It does
not matter
how slowly
you go as
long as you
do not stop.”**

CONFUCIUS
KUSHANDWIZDOM

Zen Master Status



Photo by [Aziz Acharki](#) on [Unsplash](#)

Building Confidence



Photo by [Yeshi Kangrang](#) on [Unsplash](#)

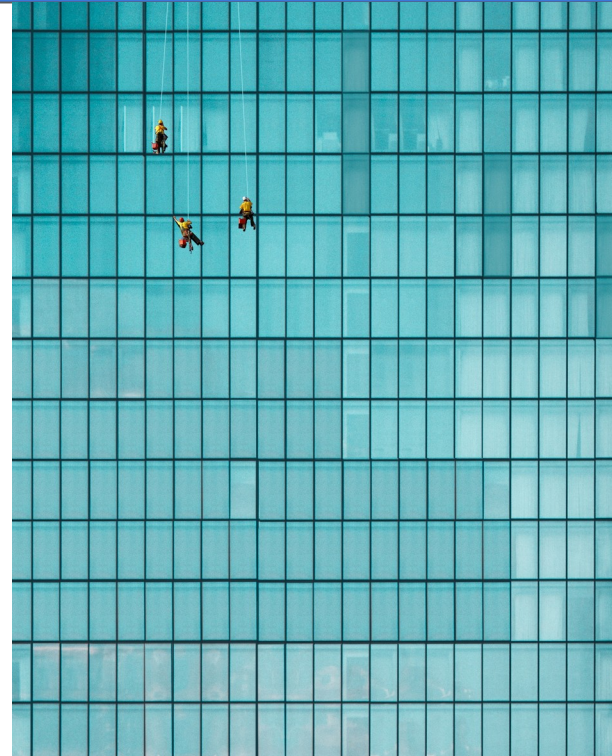


Photo by [Victor Garcia](#) on [Unsplash](#)

Community



Photo by [Ian Schneider](#) on [Unsplash](#)



Photo by [Nathan Dumlao](#) on [Unsplash](#)

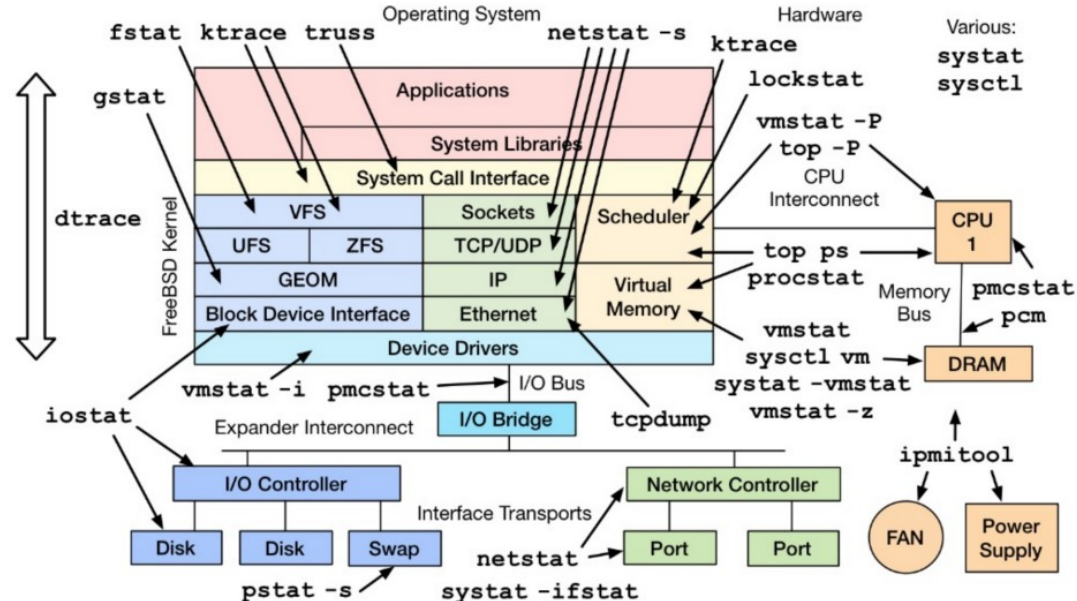
Learning

See how the operating system actually works

Play with the software

Contact the community for feedback and questions

BSD Observability

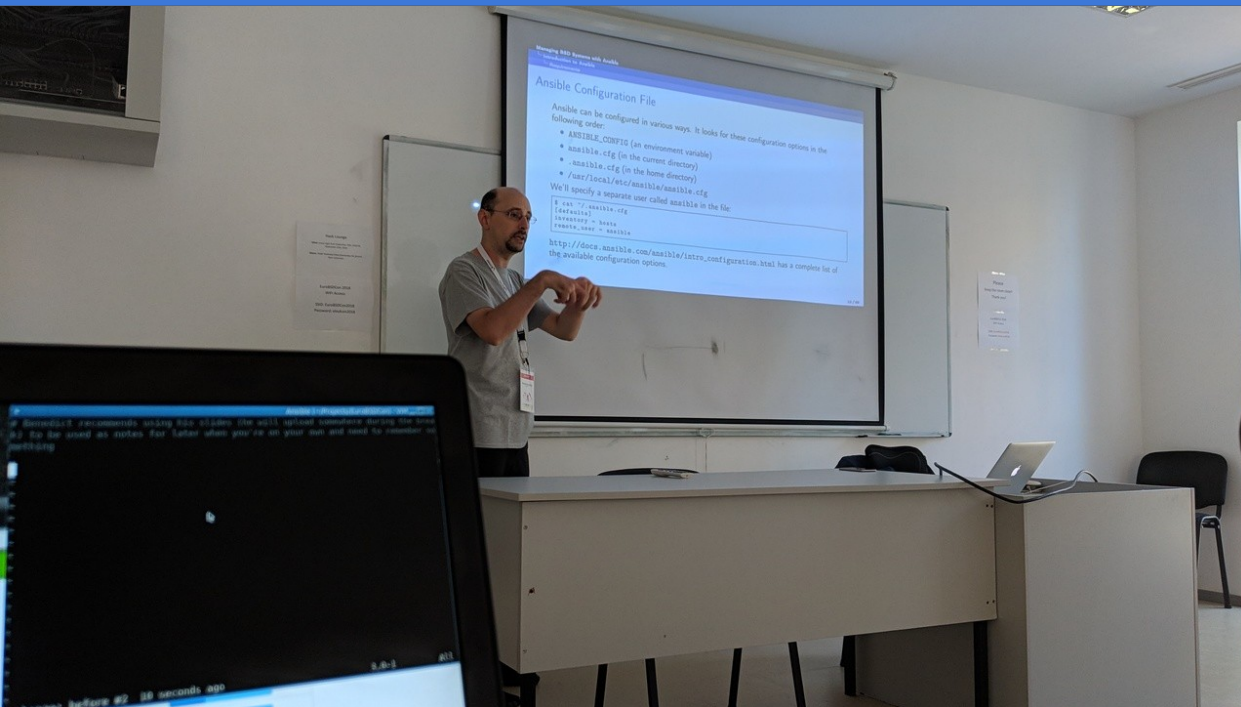


Define whet

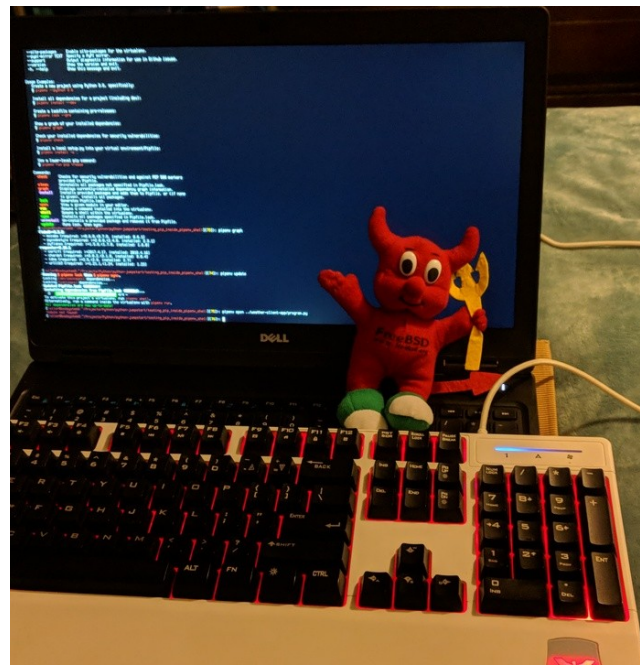
whet : to increase someone's interest in and wish for something, usually by giving them a small experience of it

<http://dictionary.cambridge.org>

Teaching



Ansible tutorial EuroBSDCon 2018



FreeBSD Day June 19th 2018

Screen recording

```
ffmpeg \
  -thread_queue_size 2048 \
  -f oss \
  -i /dev/dsp0 \
  -f x11grab -show_region 1 \
  -s hd720 \
  -i :0.0 \
  -c:v libx264 \
  -framerate 29.97 \
  -preset fast \
  -pix_fmt yuv420p \
  -b:a 160K \
  -metadata author="Roller Angel, bsd.pw, @possnfiffer" \
  -metadata title="${@}" \
  -movflags +faststart \
  -f mp4 \
  output.mp4
[roller@bsdssystem0:~][1068]>: █
```

Screen recording



(Video: for link visit [BSD.pw](https://bsd.pw) and click on the Basic tutorial)

Face to Face Interaction



EuroBSDCon 2018



BSDCan 2017

SRS

Students from across the United States have the opportunity to come together at one of six face-to-face regional Student Research Symposia (SRS) to share the results of field investigations using GLOBE Program protocols or data from the GLOBE database



What do past SRS Participants have to say about the experience?

STUDENTS:

"[The scientific process] doesn't seem scary or impossible anymore."

"The SRS made me realize that science is fun, and there is so much to do within the science field."

"[The SRS] prepared me for my potential career in science and it prepared me for college"

"The SRS is a friendly atmosphere and most definitely welcoming."

"It is good to learn from other students that we don't already know and just meet and talk to people of different backgrounds."

TEACHERS:

"This was a once in a lifetime experience for my students and I am very grateful for this support. They have returned to school very proud of their accomplishment of participating."

"SRS encouraged the concept of sharing research information. It was beneficial for the students to understand that the symposium was not a competition, but an opportunity to share, revise, learn, and apply new ideas."

"The students realize that they can contribute to the scientific community and that their research is important. They feel part of 'Science.'"



Dear Mr. Angel,

I can't thank you enough for your unbelievable generosity during the SRS in Buffalo. You were the first scientist I met and from the beginning I knew you were going to be my favorite. You even spoke to my parents and could end up saving us a ton of money on our phone bill each month. I was so happy you decided to sit with me at the breakfast table when I was all alone. I truly felt like I belonged at the SRS. I really hope you succeed and show the world what you can do with a computer in front of you. Good luck with everything and thank you so much for making the experience at the SRS something I will never forget.

Sincerely,

Dan Droke

Daniel Droke
CSEP soil pH group
Medford Memorial Middle School



Dear Roller,

I would like to thank you for being extremely helpful to my group with your pointers while we were presenting to you and for doing a great job with documenting everything with the pictures you took. I would also like to thank you for being open to the great conversation we had during the meet and greet on Friday night about computers and for recommending pfSense, which I have been looking into for my LAN network. Also, thank you for travelling the whole distance from Boulder, CO to Buffalo, NY to come to the SRS. Again, thank you for all of your helpful pointers, being open to our great conversation, and taking the long trip from Boulder, CO to Buffalo, NY.

Sincerely,

Alessandro Caristina

~~Alessandro Caristina~~

Citizen Science Education Program (CSEP)
Medford Memorial Middle School, NJ
Creating a new **SMAP** Protocol





Dear Mr. Roller Angel,
I really appreciate all of the things about how
you can connect your phone to your house and
all. I think it is really cool that you know to do
and use all of that technology. I'm looking forward
to watching those youtube tutorials.

Sincerely,

Brett Peterson

Brett Peterson
CSEP, Medford Memorial Middle School, NJ
Research Team - Atmospheric Rivers



BSD.pw

The primary goal of BSD.pw is to create a lab environment for learning and testing out BSD technology

I would like to make the site a good training site when I can point people to when I introduce them to BSD

Thank you!

Roller Angel
BSD.pw
techangel428@gmail.com