



DEVOPS

Software (DEV)elopement and Network (OP)erations



What is DevOps?

- “DevOps is the practice of operations and development engineers participating together in the entire service lifecycle, from design through the development process to production support.”
- “DevOps means a lot of different things to different people because the discussion around it covers a lot of ground. People talk about DevOps being “developer and operations collaboration,” or it’s “treating your code as infrastructure,” or it’s “using automation,” or “using kanban,” or “a toolchain approach,” or “culture,” or a variety of seemingly loosely related items.”

OK, but what does that mean?

“DevOps means a lot of different things to different people because the discussion around it covers a lot of ground. People talk about DevOps being “developer and operations collaboration,” or it’s “treating your code as infrastructure,” or it’s “using automation,” or “using kanban,” or “a toolchain approach,” or “culture,” or a variety of seemingly loosely related items.”

[-Ernest Mueller, Aug 2, 2010](#)



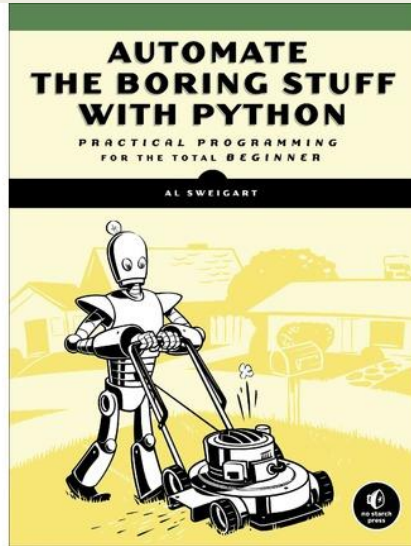
Devops earning potential

Local Salary Data (?)				
Salary	\$50,507 - \$117,134			
Bonus	\$503 - \$10,926			
Total Pay (?)	\$51,600 - \$122,655			
Country: United States Currency: USD Updated: 25 Mar 2017 Individuals Reporting: 17				

Docker is one of many tools available to administer cloud SaaS networks

Here was the first bullet point list I could find! It took about 25 minutes. A brief explanation of the steps needed to forward your local ports to a virtual machine located inside a Docker container. Ill be setting up a homelab over the summer, studying for the Linux + certification test

- `boot2docker ssh -L 0.0.0.0:3306:127.0.0.1:3306`
- Explanation:
- “boot2docker ssh” – initiates the SSH connection from your Mac to the Boot2Docker VM
- “-L” – forwards a *local* port to the other side of the SSH connection
- “0.0.0.0:3306” – binds locally to all available IP addresses on port 3306
- “127.0.0.1:3306” – forwards all traffic to the VM’s local host to port 3306
- Once this is set up, remote hosts can connect to your Mac IP on port 3306, and the traffic will be terminated inside the VM on port 3306.



```
lingd@ubuntu: ~/arm/linux-2.6.28.7
[1:Makefile][6:s3c2440.c][7:s3c2400.c][8:s3c2410.c][9:s3c2412.c][10:samsung.c]*
MiniBufExplorer-
60 s3c2400.c
69 s3c2410.c
70 s3c2412.c
71 s3c2440.c
72 s3c2440.c
73 s3c2440.c
74 samsung.c
75 sb1250-duart.c
76 s3c24xx.c
File List 73.5 69%
s3c2440.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/samsung.c)
variable
s3c2440_uart_inf
s3c2440_serial_inf
s3c2440_serial_exl
function
s3c2440_serial_set
s3c2440_serial_get
s3c2440_serial_res
s3c2440_serial_pro
s3c2440_serial_ini
s3c2440_serial_exl
s3c2400.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/s3c2400.c)
s3c2410.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/s3c2410.c)
s3c2412.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/s3c2412.c)
s3c2440.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/s3c2440.c)
samsung.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/samsung.c)
sb1250-duart.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/sb1250-duart.c)
s3c24xx.c (/home/lingd/~/arm/linux-2.6.28.7/drivers/serial/s3c24xx.c)
150 dbg("s3c2440_serial_probe: dev=%p\n", dev);
151 return s3c24xx_serial_probe(dev, &s3c2440_uart_inf);
152 }
153
154 static struct platform_driver s3c2440_serial_drv = {
155     .probe = s3c2440_serial_probe,
156     .remove = s3c24xx_serial_remove,
157     .driver = {
158         .name = "s3c2440-uart",
159         .owner = THIS_MODULE,
160     },
161 };
162
~/arm/linux-2.6.28.7/drivers/serial/s3c2440.c 155,17-24 88%
1 ./drivers/serial/s3c2400.c[16] <<s3c2400_serial_probe>> return s3c24xx_serial_probe(dev,
63c2400_uart_inf);
2 ./drivers/serial/s3c2410.c[88] <<s3c2410_serial_probe>> return s3c24xx_serial_probe(dev,
63c2410_uart_inf);
3 ./drivers/serial/s3c2412.c[121] <<s3c2412_serial_probe>> return s3c24xx_serial_probe(dev,
63c2412_uart_inf);
4 /home/lingd/arm/linux-2.6.28.7/drivers/serial/s3c2440.c[151] <<s3c2440_serial_probe>>
return s3c24xx_serial_probe(dev, &s3c2440_uart_inf);
Tag List 217.5 69% [Quickfix 列表]
:call <SNR>16 EditEntry(1,"winmanager")
[更新管理器] lingd@ubuntu: ~/arm/... vimrc (-) - gedit
```

I WILL ALSO BE STUDYING PYTHON
SCRIPTING WITH THE VIM TEXT-EDITOR