

Memers 5th Meeting



SUSE Cloud Native Scholarship - Udacity

Agenda

- Announcements
- Containers Demystified
- Q&A
- Fun Time

Announcements

0% L1 - Introduction to Cloud Nat

0% L2 - Architecture consideratio

12% L3 - Container Orchestration w

35% L4 - Open Source PaaS

✓ 53% L5 - CI/CD with Cloud Native t

Announcements



Isabella.Udacity 3:00 PM

@channel

Hey Study Team Organizers time for our weekly Wednesday Pulse ❤️ check in!

Please respond via the thread to the following prompts:

1. **What did your Study Team work on or participate in last week?**
2. **What are your plans for this coming week?**
3. **Are you facing any challenges or blockers?**

A big kudos to our [#st_memers](#) team who hosted their second support session which looked like a huge success! 🎉

Also if your brain needs a break, check out the [#st_hobbies_interests](#) team for some lovely food & gardening photos! 😍

Catch you all around the workspace 🙌

Announcements



Vedita.Kamat 7:51 PM

Reminder for Blogathon entries submission

If you love penning your thoughts down, if you can explain a concept with an article, this is the opportunity for you to show your talent 🥰 You can write a blog on the topics we suggest below. But you are free to write about anything else that interests you. 📝✍️

Suggested Blog Topics

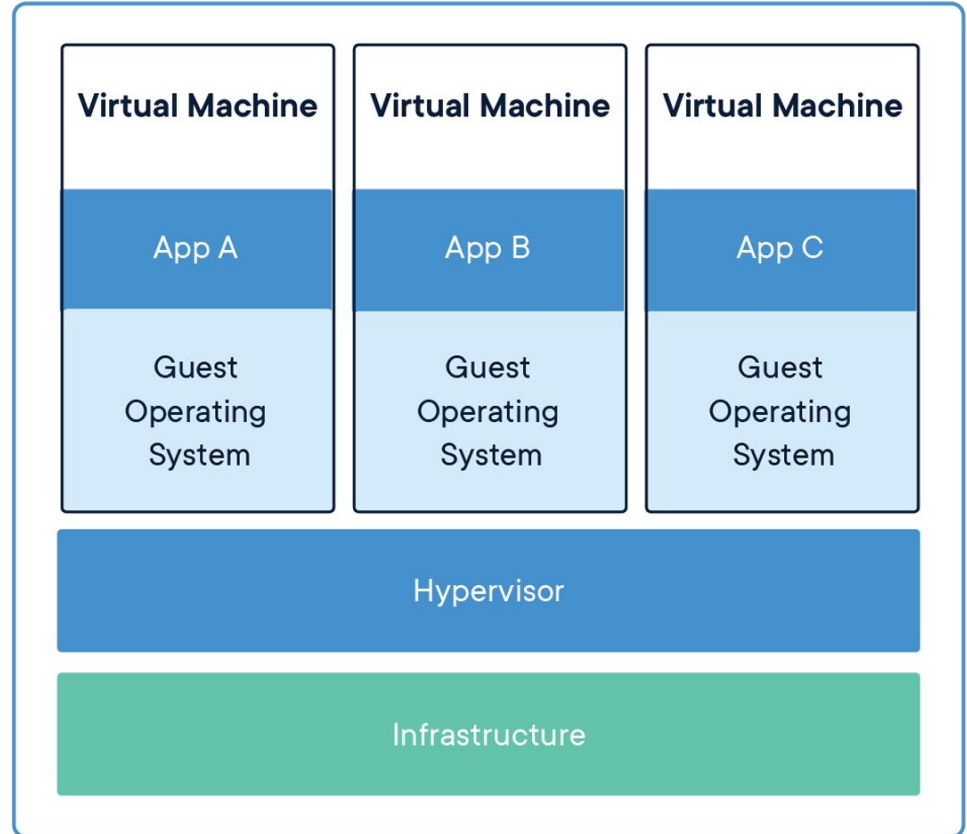
1. Basic concept explainers: Articles on pre-requisites like basic git commands, python, flask,docker basics etc
2. Latest technologies in Cloud/AI: Write about the latest happenings in Cloud/AI that astound you! Let everyone know about it 😄
3. Productivity hacks: We all need to stay motivated and productivity hacks can be a great help to keep everything organized. Write about your daily productivity tools like Notion, Calendars, Todoist and more.

Stay tuned!

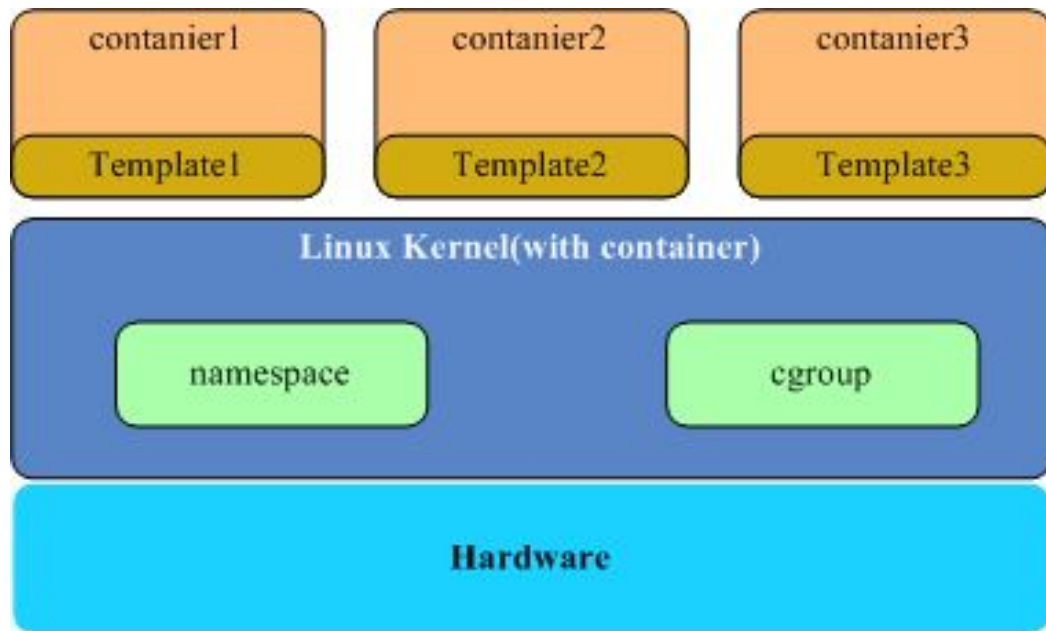
- Support session
- Technical AMA session

Containers Demystified

From where it all started ?

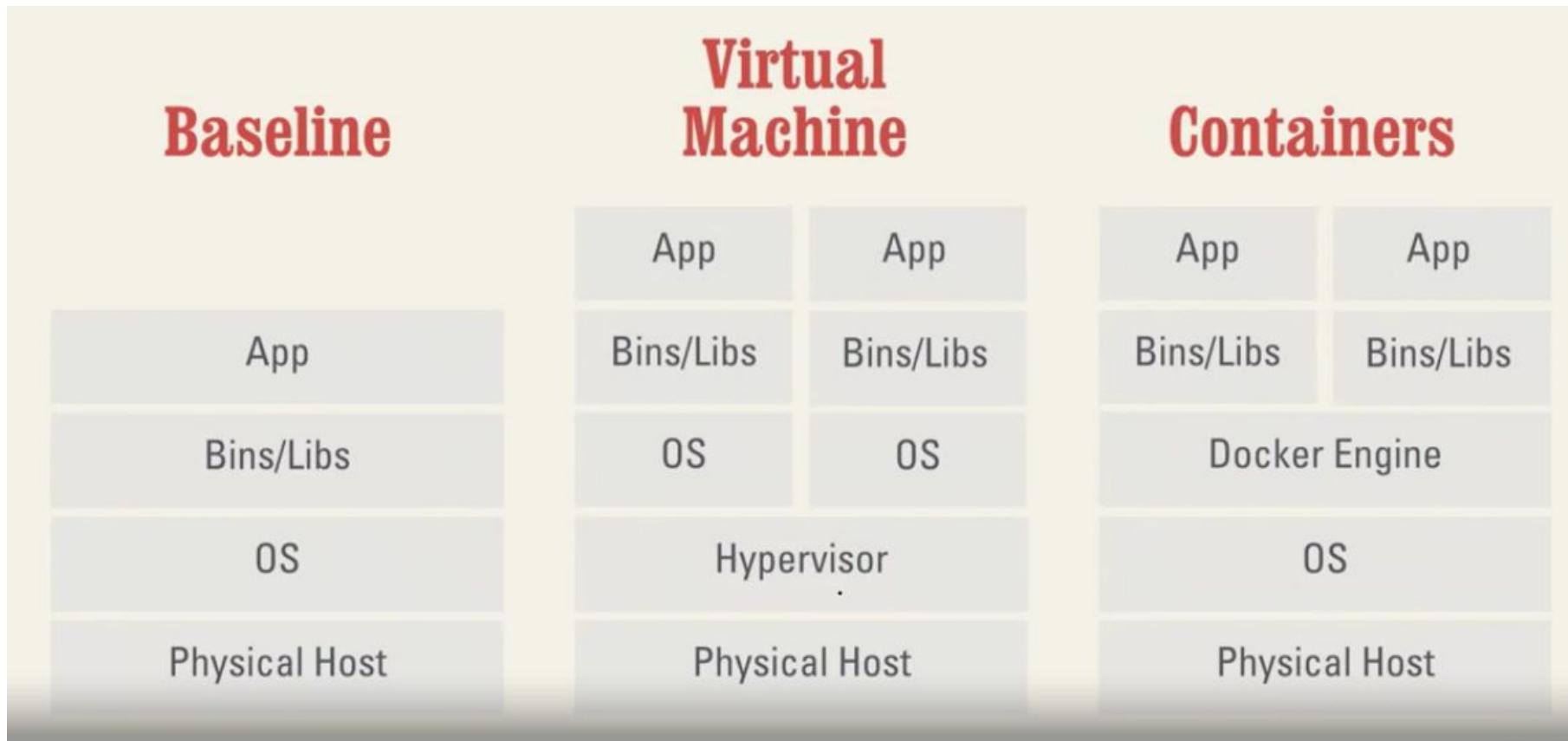


Containers existed before Docker!



LXC (LinuX Containers) was the first, most complete implementation of Linux container manager. It was implemented in 2008 using **cgroups** and Linux **namespaces**.

Containers vs. VMs



Why Containers?

**WORKED FINE IN
DEV**

OPS PROBLEM NOW

memegenerator.net

IT WORKS ON MY MACHINE

THEN WE'LL SHIP YOUR MACHINE

AND THAT IS HOW DOCKER WAS BORN

imgflip.com

Docker under the hood!

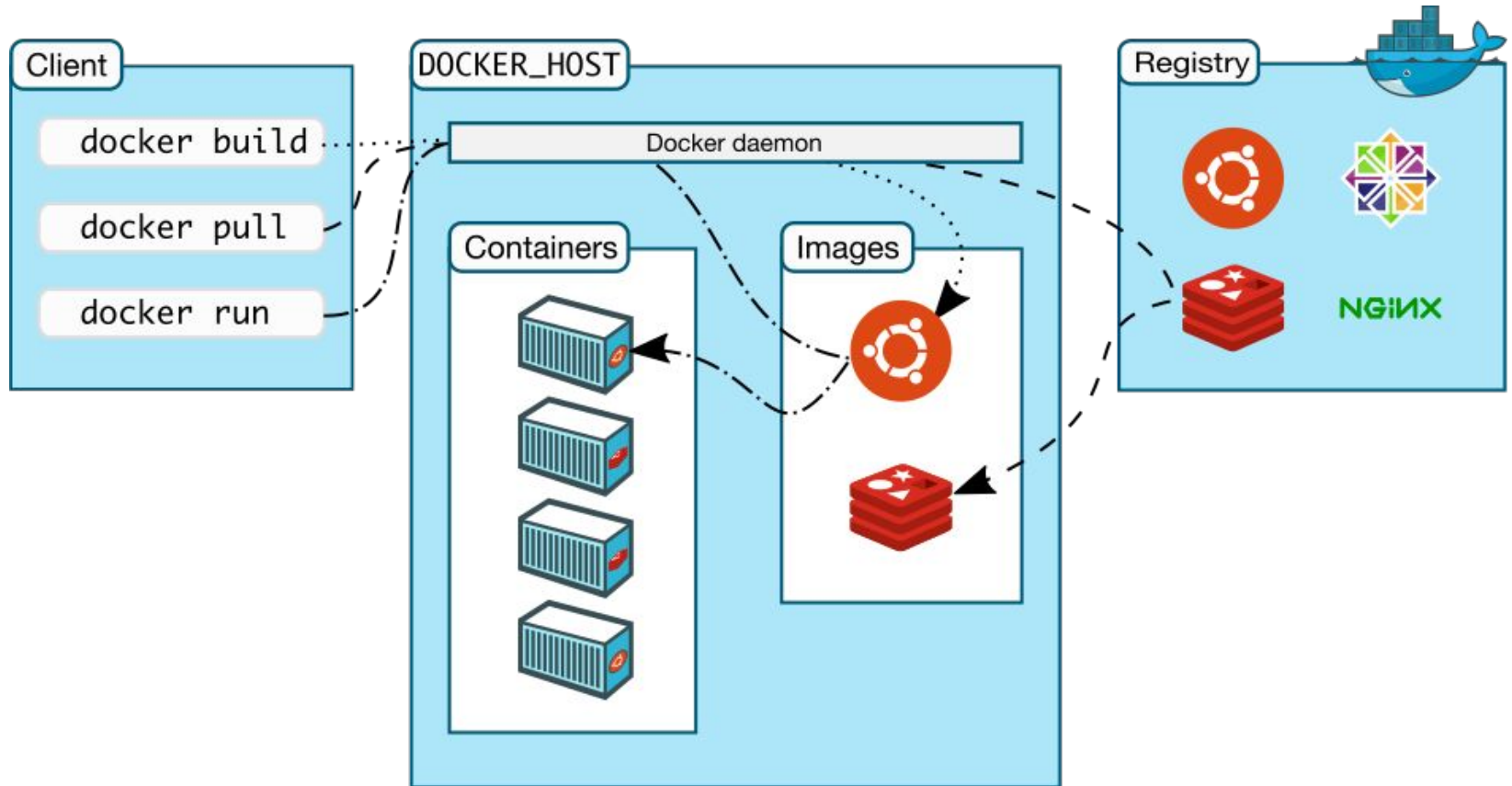
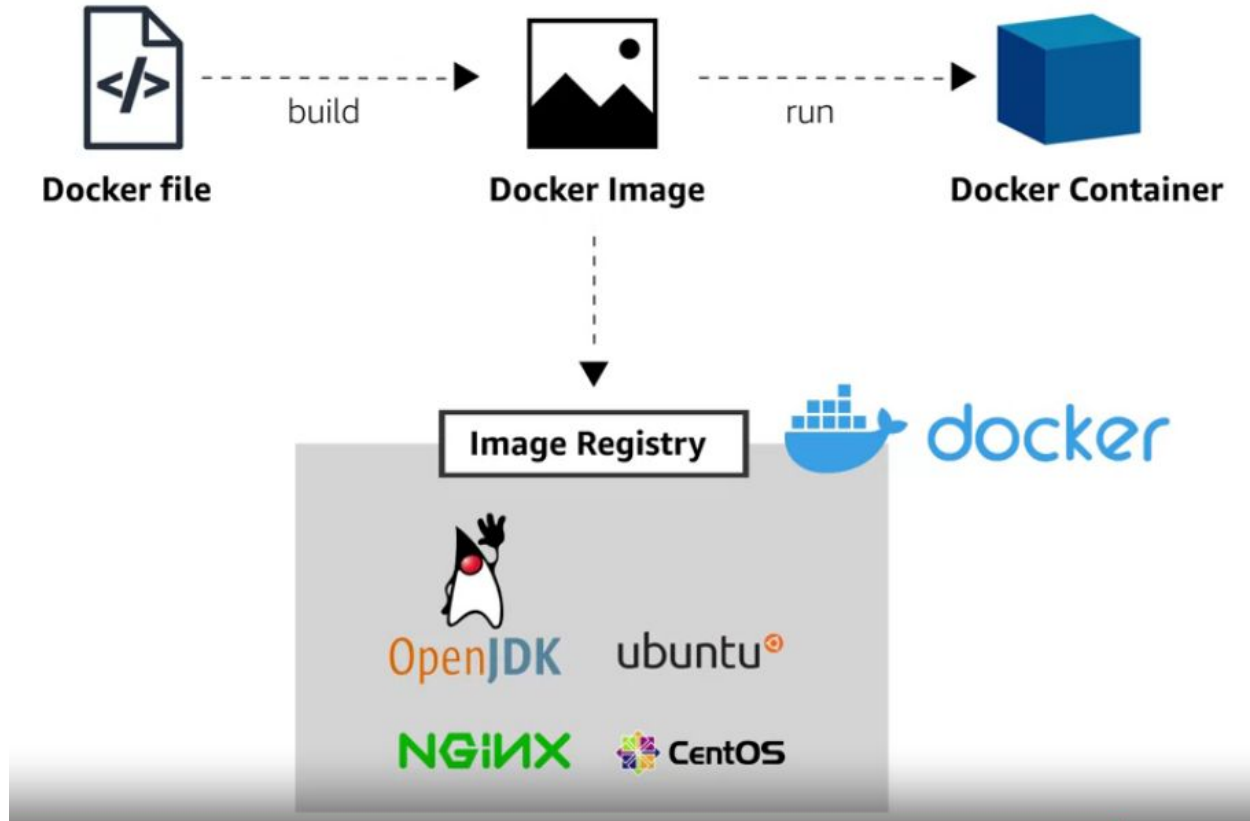
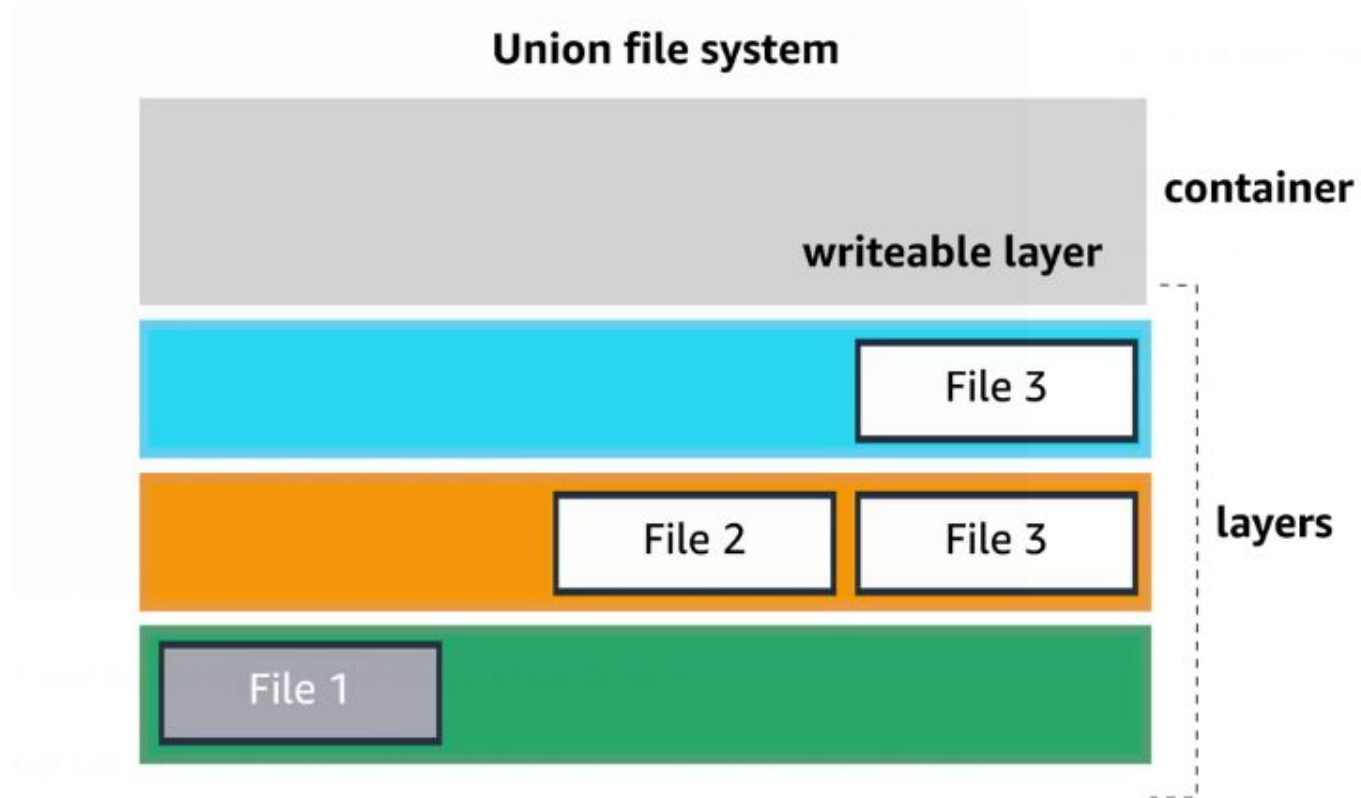


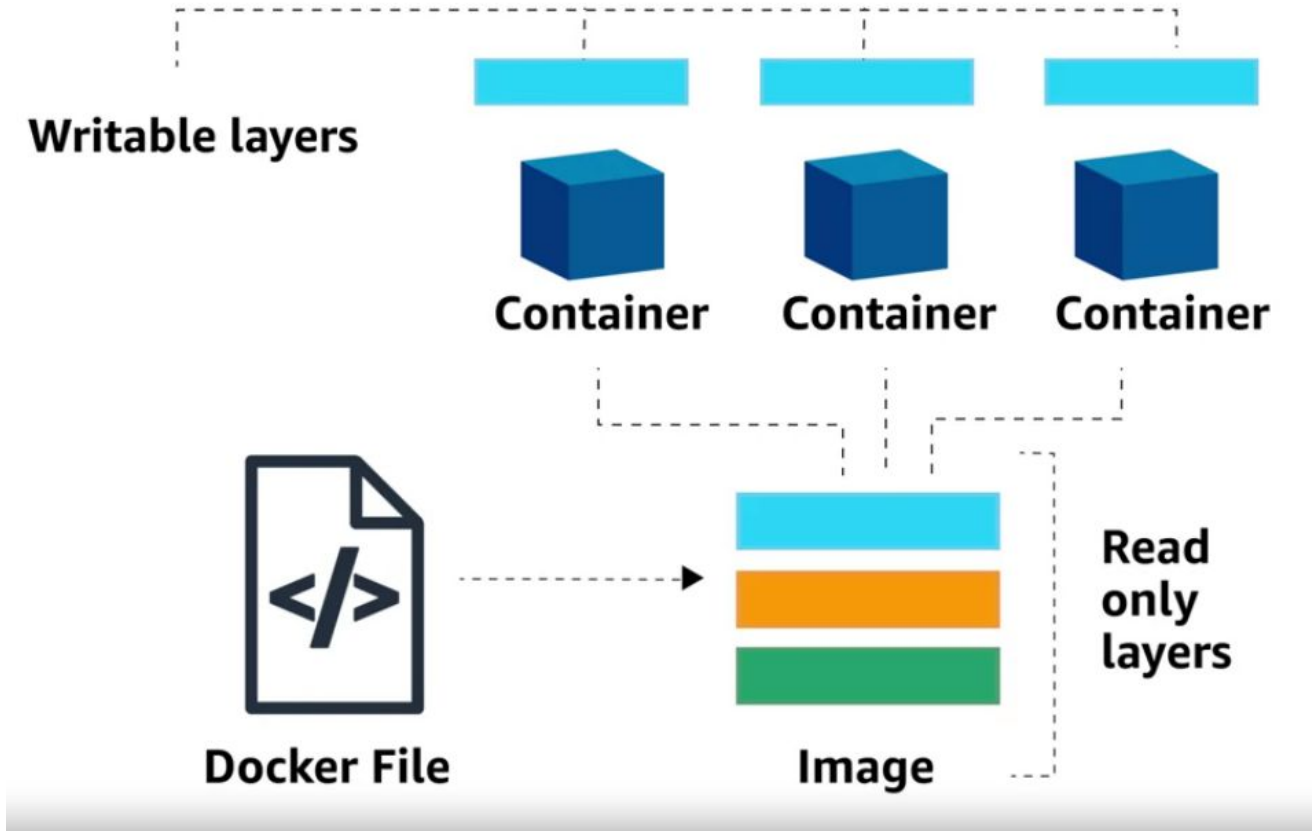
Image vs. Container



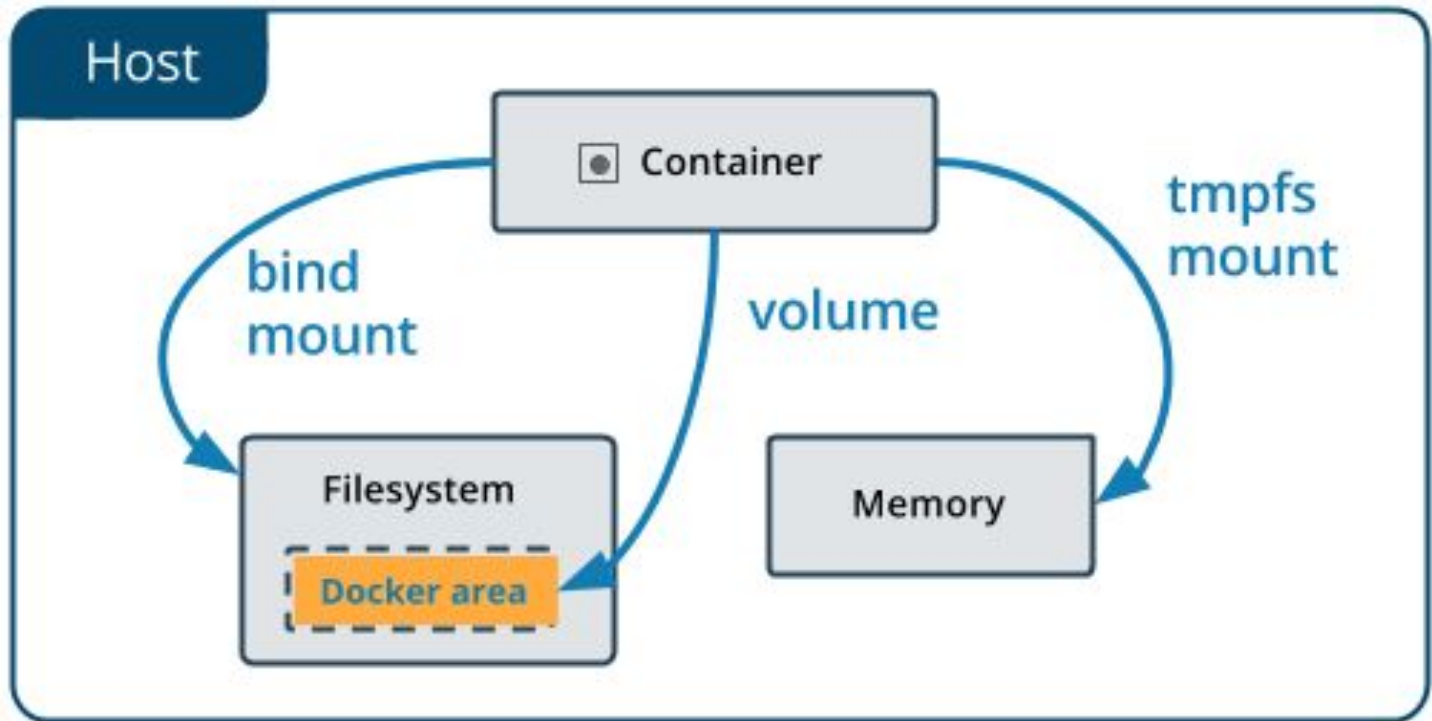
It all layers!



It all layers!



Containers are stateless



Build time vs. Image size

Average stage times: (Average <u>full</u> run time: ~10min 33s)			1s	1s	1min 37s	8min 12s	5min 44s
#22	Jun 20 10:22	2 commits	1s	1s	26s	29s	31s
#21	Jun 16 09:05	1 commit	1s	1s	2min 49s		
#20	Jun 15 10:00	1 commit	1s	1s		15min 55s	10min 57s

Important info to note!

- Containers run on their own network
- Containers have their own filesystem
- Containers have their own processes
- Containers share the same **kernel** with the host

Keep learning

- Why you need to learn Docker right now → <https://www.youtube.com/watch?v=eGz9DS-aleY>
- How Docker Works - Intro to Namespaces → <https://www.youtube.com/watch?v=-YnMr1lj4Z8>
- Docker Labs → <https://dockerlabs.collabnix.com/>

**Thanks for your
attention!**

Any questions ?

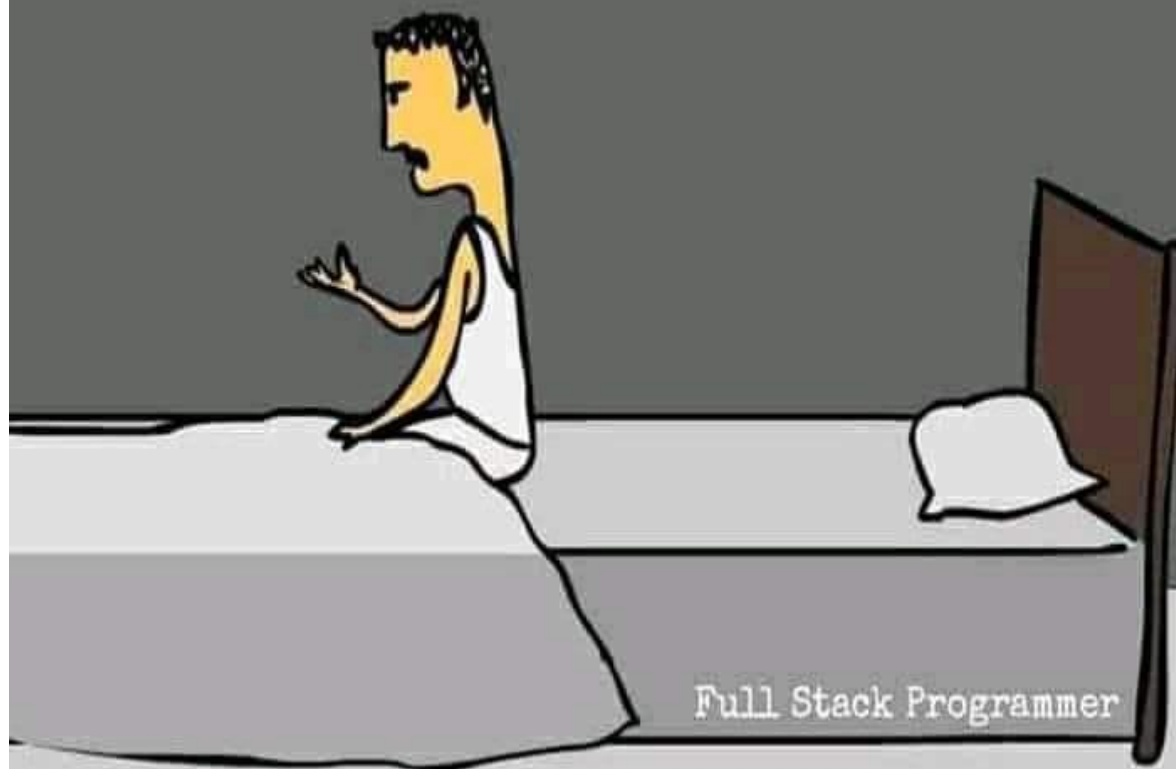
Fun Time

Her: He's probably thinking
about other women...

Him: who is 'et al' and why has
he written so many papers?

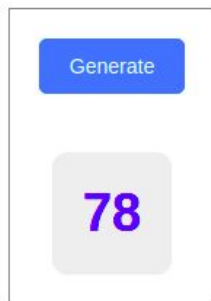


Did I just forgot to put "where"
in delete statement today?





Tombola

Tombola



Bingo/Housie/Tambola Ticket Generator



Get Housie app  

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90

Tombola

Generate

82



Get Housie app  

1	2	3	4	5	6	7	8	9	10
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Tombola



Bingo/Housie/Tambola Ticket Generator

Get Housie app  

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81	82	83	84	85	86	87	88	89	90

Tombola Winners

1. Ayush Yadav(@ayu)
2. ANEMICHE Samah(@Samah.Anemiche)
3. Rahul Aryan(@Rahul.Aryan)



Rahul Aryan



Bhupesh Chouhan



Karan Mistry



Biswajit Banerjee



Nitin Bodke



Lola Nuga



Shubham Gupta



Samah Anemiche



Verrah Akinyi



Benson Gikonyo



Enas Samir



Manasvi Trivedi



dandelionwishes lee



Oudarjya Sen Sarma



Kalai



Tarek Bohdima



Ayush Yadav



Alpa Pathak



Dimitra Karamperi



Kum Somi



Nigel Phillips



Memphis Ndego



Dinky Dudeja



Muhammad Haris



Sumon Banerjee



You