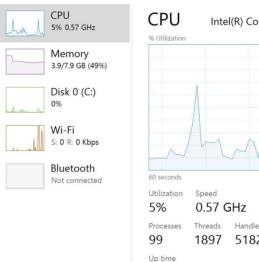


🙀 Task Manager

File Options View

Processes Performance App history Startup Users Details Services

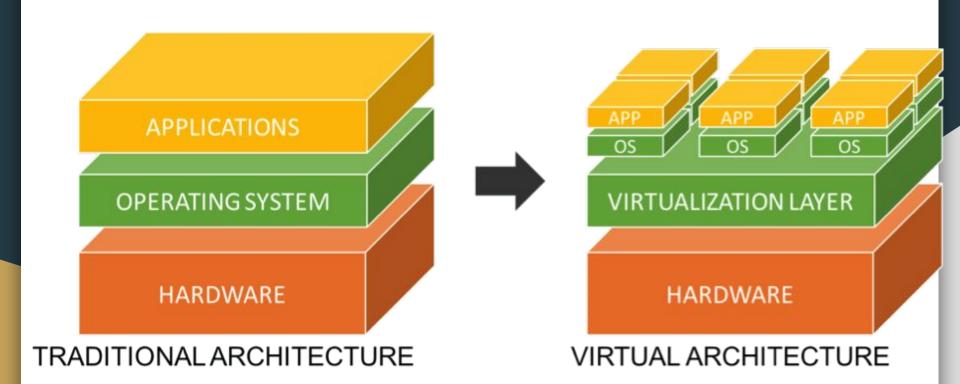


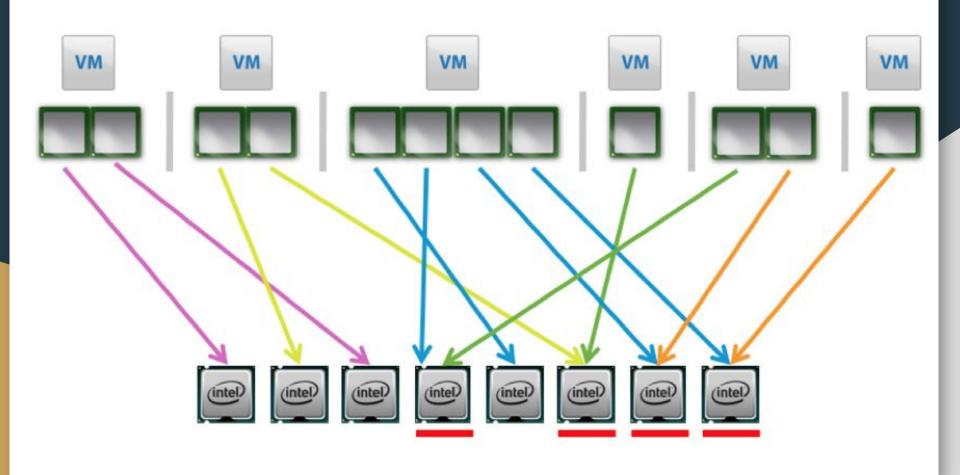
CPU % Utilization	Intel	(R) Core(rm) i5-6300U CI	PU @ 2.40	GHz 100%
60 seconds	A	\mathcal{M}	4		<u> </u>
Utilization 5% Processes 99 Up time 0:09:37			Maximum speed: Sockets: Cores: Logical processors: Virtualization: L1 cache: L2 cache: L3 cache:	2.50 GHz 1 2 4 Enabled 128 KB 512 KB 3.0 MB	

_

			Activity N	Aonitor (My	Processes	5)			
Process Nan	ne 🏟 🗸	CPU	Memory	Energy	Disk	Ne	twork		Q Search
rocess Name		% CPU ~	CPU Time	Threads	Idle Wake U	ps	PID	User	
Activity	Monitor	2.5	2.14	5		3	25280	amavs	
Spotify	Helper	2.5	3:27.05	16		12	394	amavs	
Spotify		1.7	4:10.17	38		24	288	amavs	
Spotify	Helper	0.6	31.58	9		0	387	amavs	
Ø Safari		0.5	5:00.11	8		1	283	amavs	
😌 Dropbo	x	0.3	11.99	135		2	24976	amavs	
https://	mondaynote.com,	0.2	41.36	7		1	24897	amavs	
A System	UIServer	0.1	42.29	4		0	315	amavs	
sharing	d	0.1	29.75	6		1	370	amavs	
Toolkit		0.1	24.32	7		1	495	amavs	
parseco	d	0.1	5.69	5		0	357	amavs	
🔕 Siri		0.0	4.24	3		0	486	amavs	
🧔 Google	Chrome	0.0	34:14.90	41		1	295	amavs	
useract	tivityd	0.0	7.32	2		0	356	amavs	
UserEv	entAgent	0.0	15.81	3		0	276	amavs	
Spotify	Helper	0.0	0.21	4		0	380	amavs	
crashpa	ad_handler	0.0	0.05	4		1	405	amavs	
SiriNCS	Service	0.0	3.41	3		1	678	amavs	
ViewBri	idgeAuxiliary	0.0	3.28	2		1	435	amavs	
🗇 Safari N	Networking	0.0	57.28	8		1	402	amavs	
UserAg	ent	0.0	10.59	2		1	489	amavs	
trustd		0.0	43.62	6		0	282	amavs	
iTunes		0.0	24.75	24		3	303	amavs	
	System:	3.	94%	CPU LOAD		Thr	eads:	15	55
	User:	4.	09%			Pro	cesses:	3	50
	Idle:	91.	96%						
					March 1				

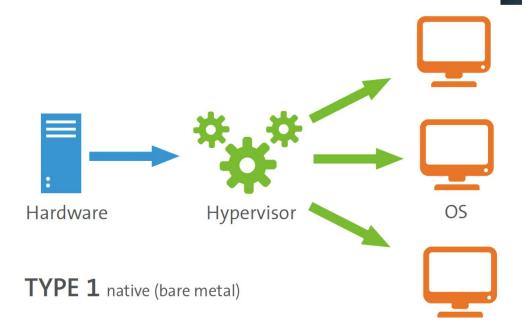
Fewer details | Open Resource Monitor



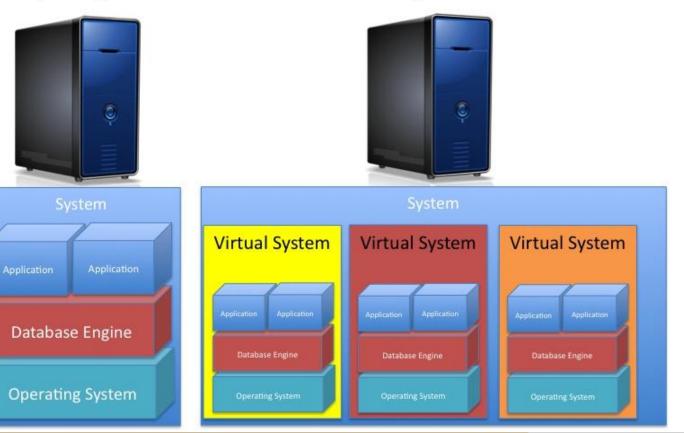


Type 1 Virtualization

- Hypervisor run on bare metal.
- Dedicated virtualization machine.
- Higher performance.
- Typical for servers.



Operating System and Applications on a Physical System Virtual Systems Running under a Type 1 Hypervisor





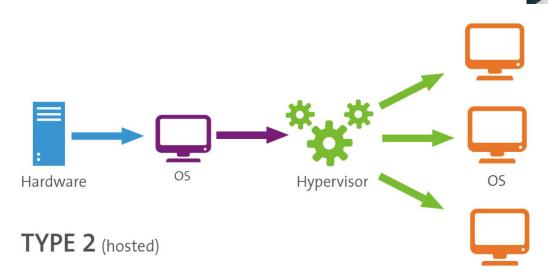


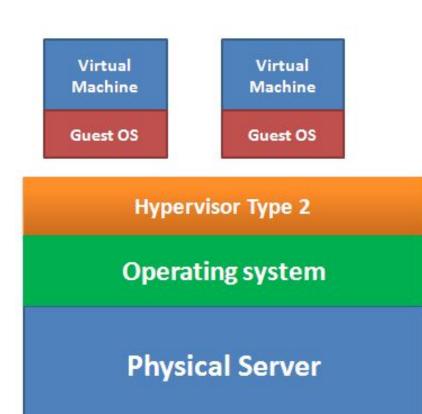




Type 2 Virtualization

- Hypervisor sits on top of the Operating System.
- Can run on Laptop/Desktop
- Typical for home virtualization.
- Better compatibility with hardware.
- Increased overhead affects performance.

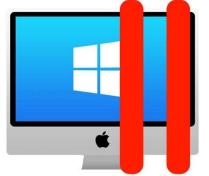


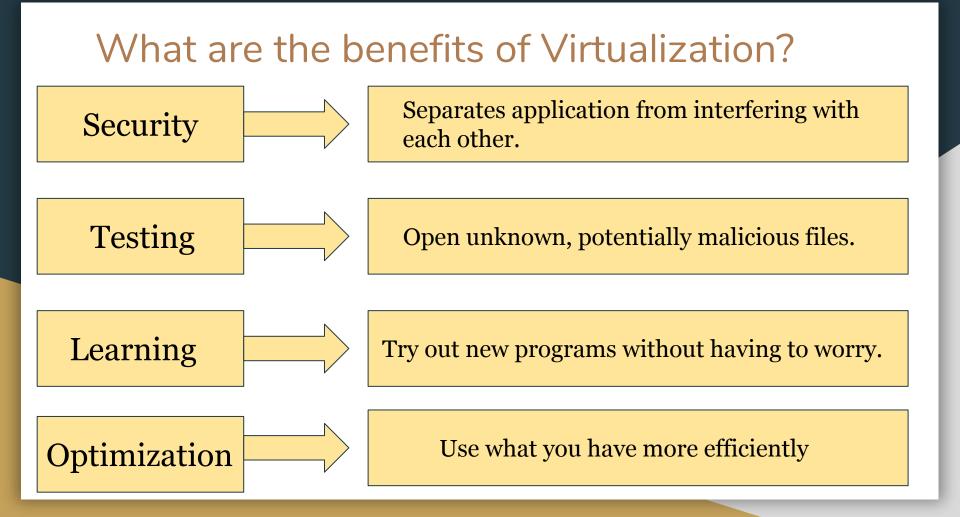






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Important Terms

Virtual Machine(VM): A software computer that, like a physical computer, runs an operating system and applications. Comprised of a set of specification and configuration files and is backed by the physical resources of a host.

Hypervisor: A hypervisor is an OS that separates a computer's operating system and applications from the underlying physical hardware.

Host System: OS installed on physical hardware

Guest System: Virtualized OS on top of Host System

IaaS: A form of virtualization that provides virtualized computing resources over the internet.



Microsoft Azure

ORACLE[®] Cloud Infrastructure



• Server:

cdr-vcenter1.cse.buffalo.edu

• Username: ad\UBIT

• Password: UBIT Password

vm ware [,]		
VMware vSphere [∞]		
Client		
available only through	ntroduced in vSphere 5.5 and beyon the vSphere Web Client. The tradi operate, supporting the same featu	tional vSphere
To directly manage a single enter the IP address or host To manage multiple hosts, e IP address or name of a vCenter Server.	name.	•
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