

availability set doubt

Microsoft Azure portal screenshot showing the 'ava-set' Availability set configuration.

Overview

We recommend that new customers choose virtual machine scale sets with flexible orchestration mode for high availability with the widest range of features. Virtual machine scale sets allow VM instances to be centrally managed, configured, and updated, and will automatically increase or decrease the number of VM instances in response to demand or a defined schedule. Availability sets only offer high availability.

Resource group (move): [lab-1-datha](#) Fault domains: 3
Location: East US Update domains: 3
Subscription (move): [Datha Sai Chandu](#) Virtual machines: 9
Subscription ID: 2f0acebe-53e4-4de8-aa90-23ffabb34bfb Managed: Yes
Colocation status: N/A

Search virtual machines

Name	↑↓ Status	↑↓ Colocation status	↑↓ Fault Domain	↑↓ Update Domain	↑↓
v8	Running		1	0	
vm-4	Running		0	1	
vm-5	Running		1	2	
vm-6	Running		2	0	
vm-7	Running		0	2	
vm1	Running		0	0	
vm2	Running		1	1	
vm3	Running		2	2	
vm9	Running		2	1	

- An update domain typically contains VMs running the same operating system, as updates are applied to all VMs within an update domain simultaneously. So, the update domains for Windows VMs and Ubuntu VMs may be separate within the same availability set.

Remember, mixing different operating systems within an availability set is possible, but they would still be subject to separate update domains during maintenance events.

If you have specific requirements or constraints based on your application or workload, it's recommended to review Azure's documentation and possibly consult with Azure support or your IT team to ensure your deployment meets your specific needs.



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	0	1	2
0	vm_1	vm_8	vm_6
1	vm_4	vm_2	vm_9
2	vm_7	vm_5	vm_3

$\downarrow U$

Fault $d = 3$
 Update $d = 3$
~~3~~