

RV_Tools Summary

Name

2017-02-24

Introduction

Find herein a summary of the provided RV_Tools.

The following profiles were considered:

Large: VM's with 6 vCPU or more

Medium: VM's with less than 6 vCPU and more than 2 vCPU

Small: VM's with 2 vCPU or less.

Overview for 5 Datacenter

Datacenter	# Hosts	# VM's	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
ELS	17	242	659	2389.7	55993.4	64982.9	86.2
CHA	8	109	274	1103.7	29534.4	34076.5	86.7
GOL	7	75	272	710.7	20793.1	21890.8	95
STA	1	18	32	94.2	1541.4	2185.5	70.5
SOT	1	11	20	61.4	1023.1	1111.6	92

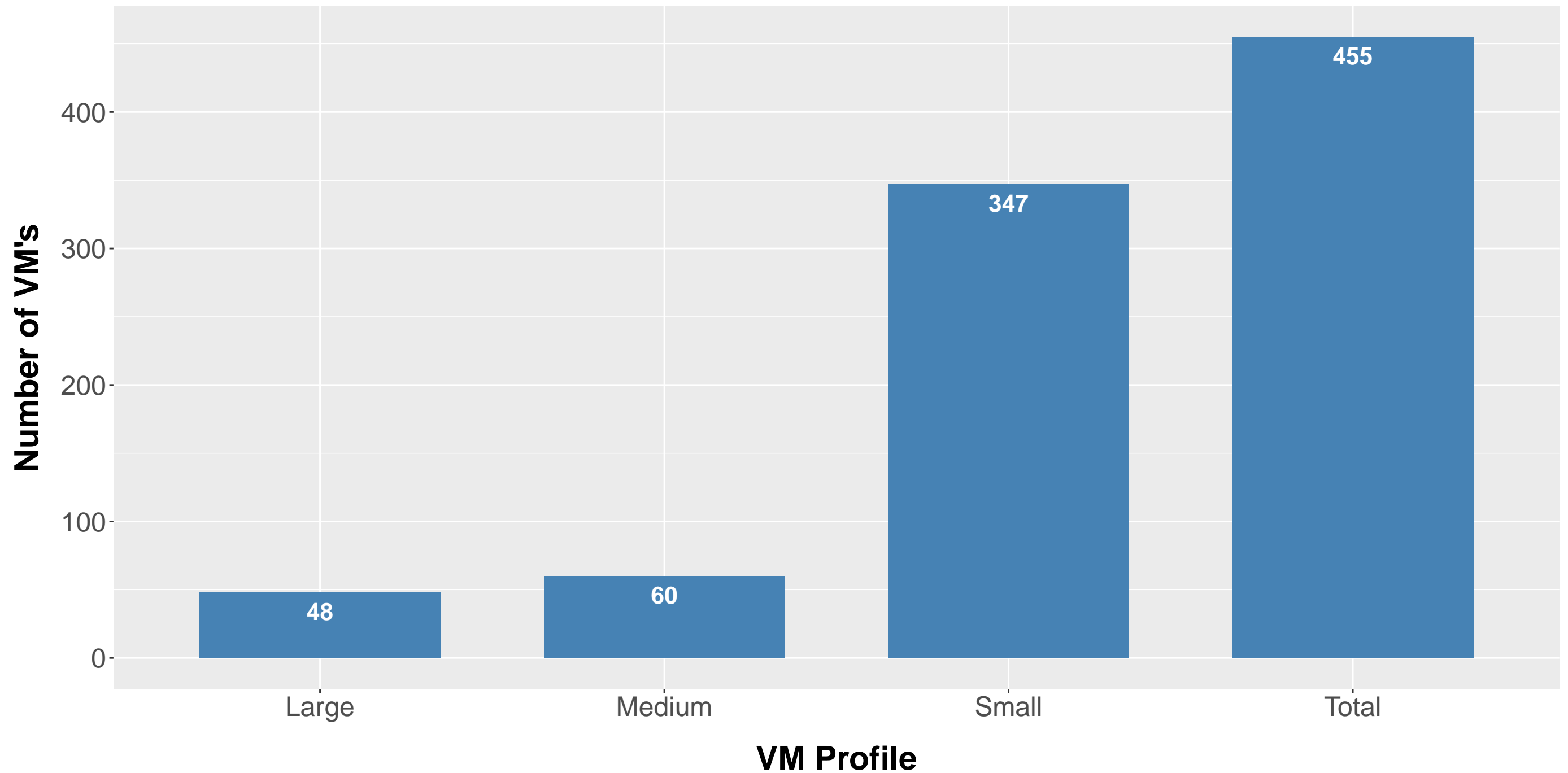
Summary of collected components

Description	# VM's	# VM's on	# VM's off	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
Large	48	41	7	85.4	402	1458.2	29005.7	35108.4	82.6
Medium	60	52	8	86.7	240	825.3	21482.1	22974.9	93.5
Small	347	282	65	81.3	615	2076.2	58397.6	66164.1	88.3
Total	455	375	80	82.4	1257	4359.7	108885.4	124247.4	87.6

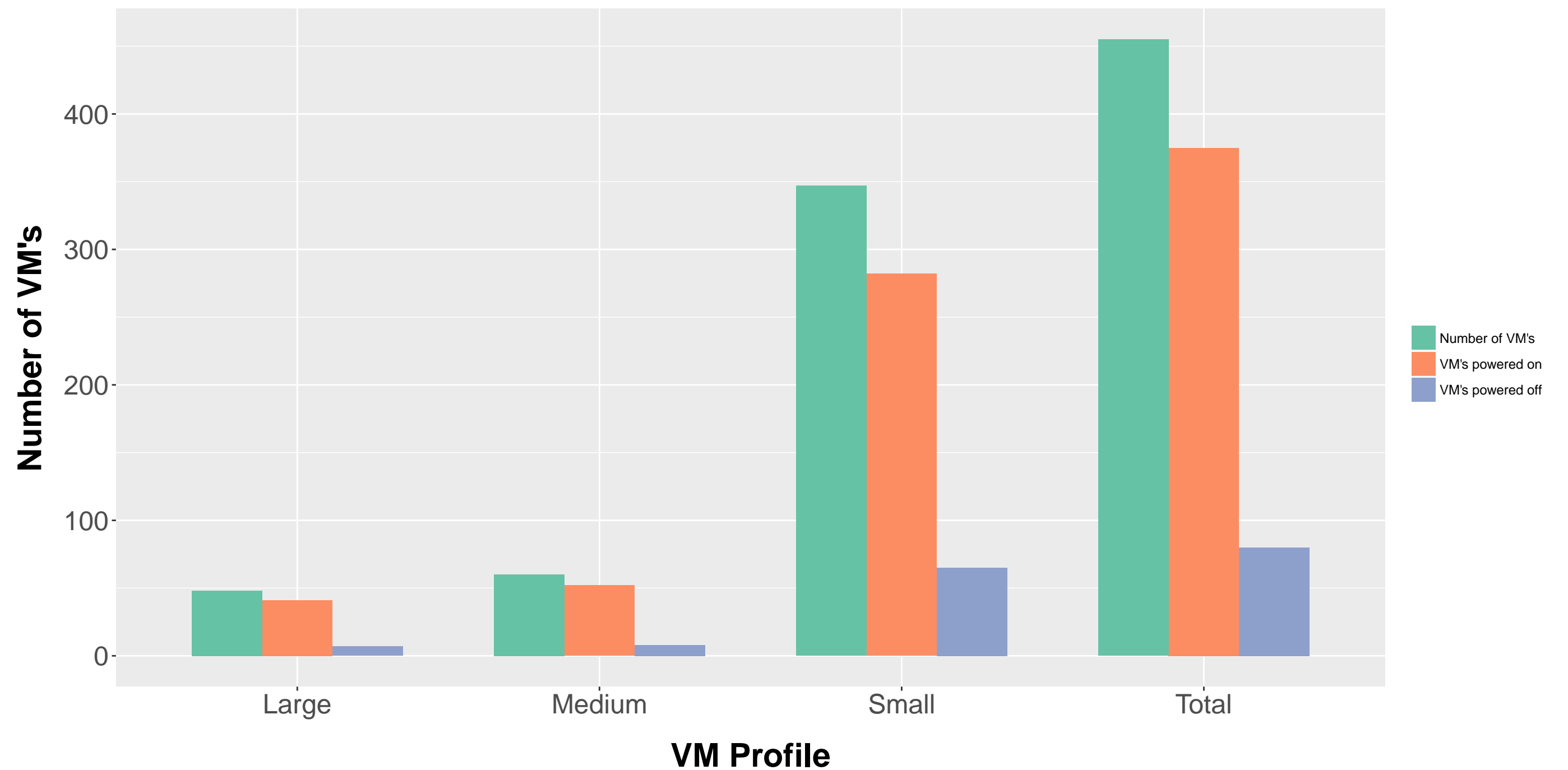
Average values of collected components

Description	# VM's	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]
Large	48	85.4	8.4	30.4	604.3	731.4
Medium	60	86.7	4	13.8	358	382.9
Small	347	81.3	1.8	6	168.3	190.7
Total	455	82.4	2.8	9.6	239.3	273.1

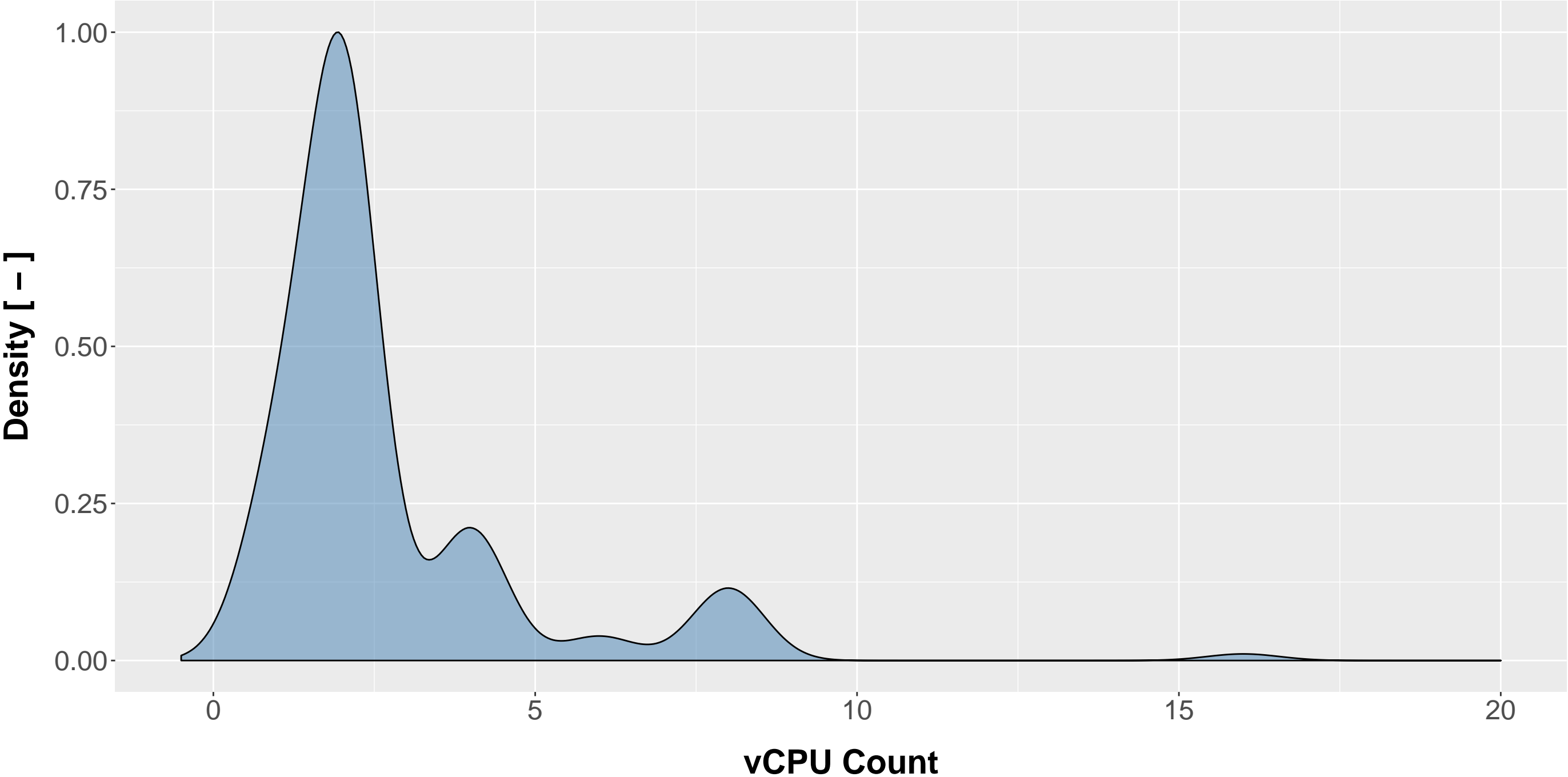
Number of VM's for each profile



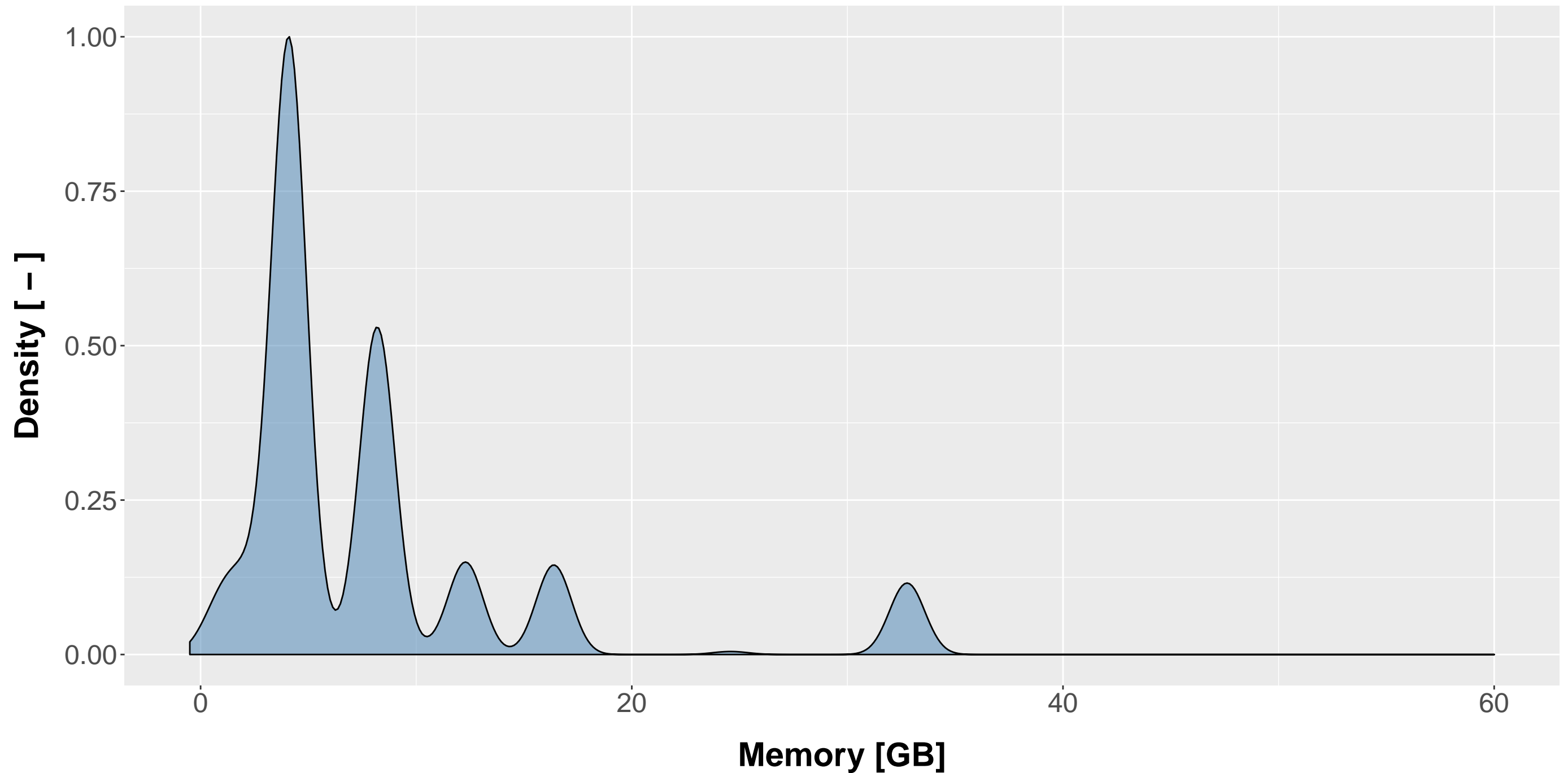
Overview of powered on / off VM's for each profile



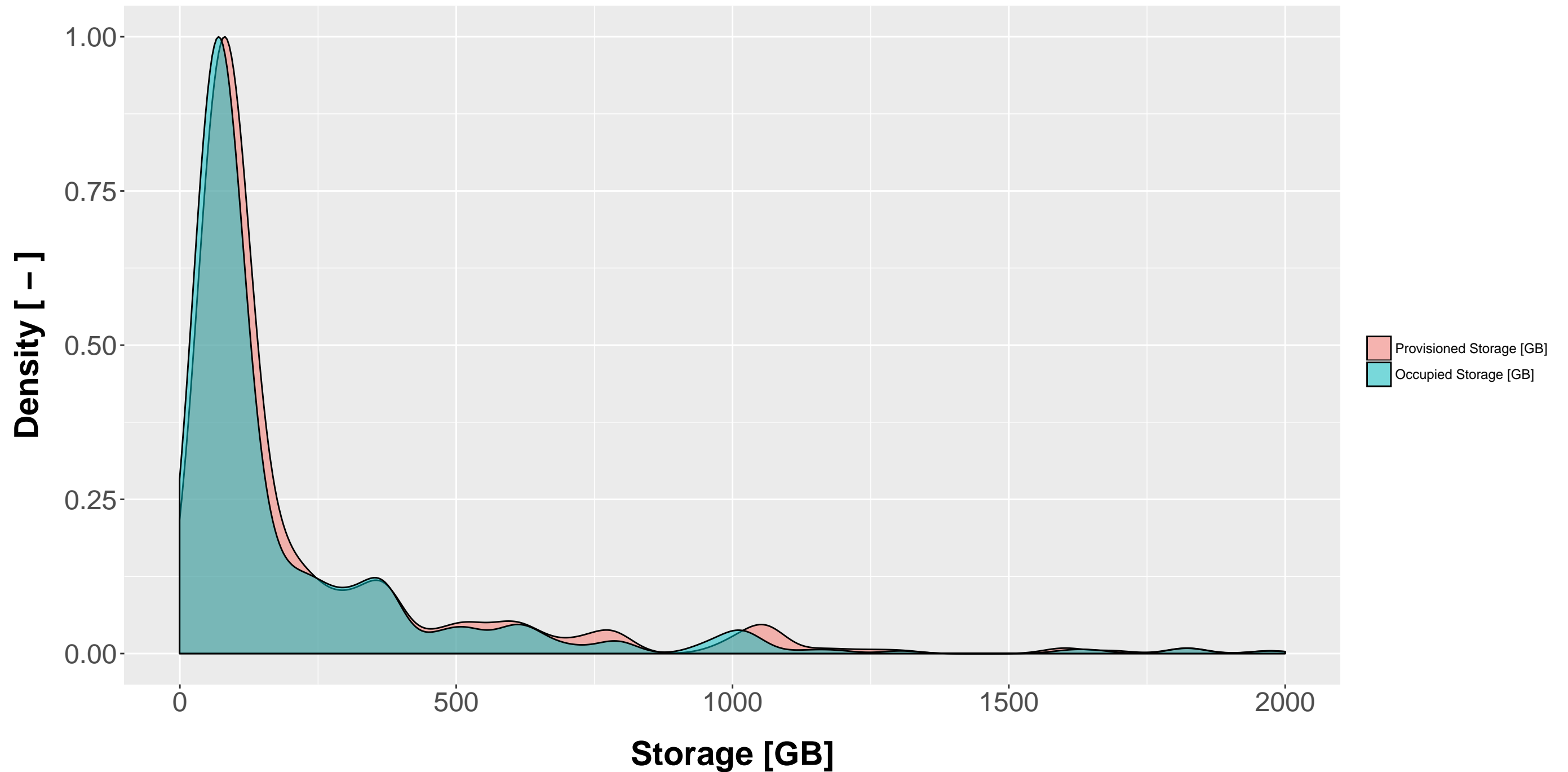
Distribution of vCPU for all VM's



Distribution of Memory for all VM's



Distribution of occupied and provisioned storage for all VM's



Summary for Datacenter: ELS

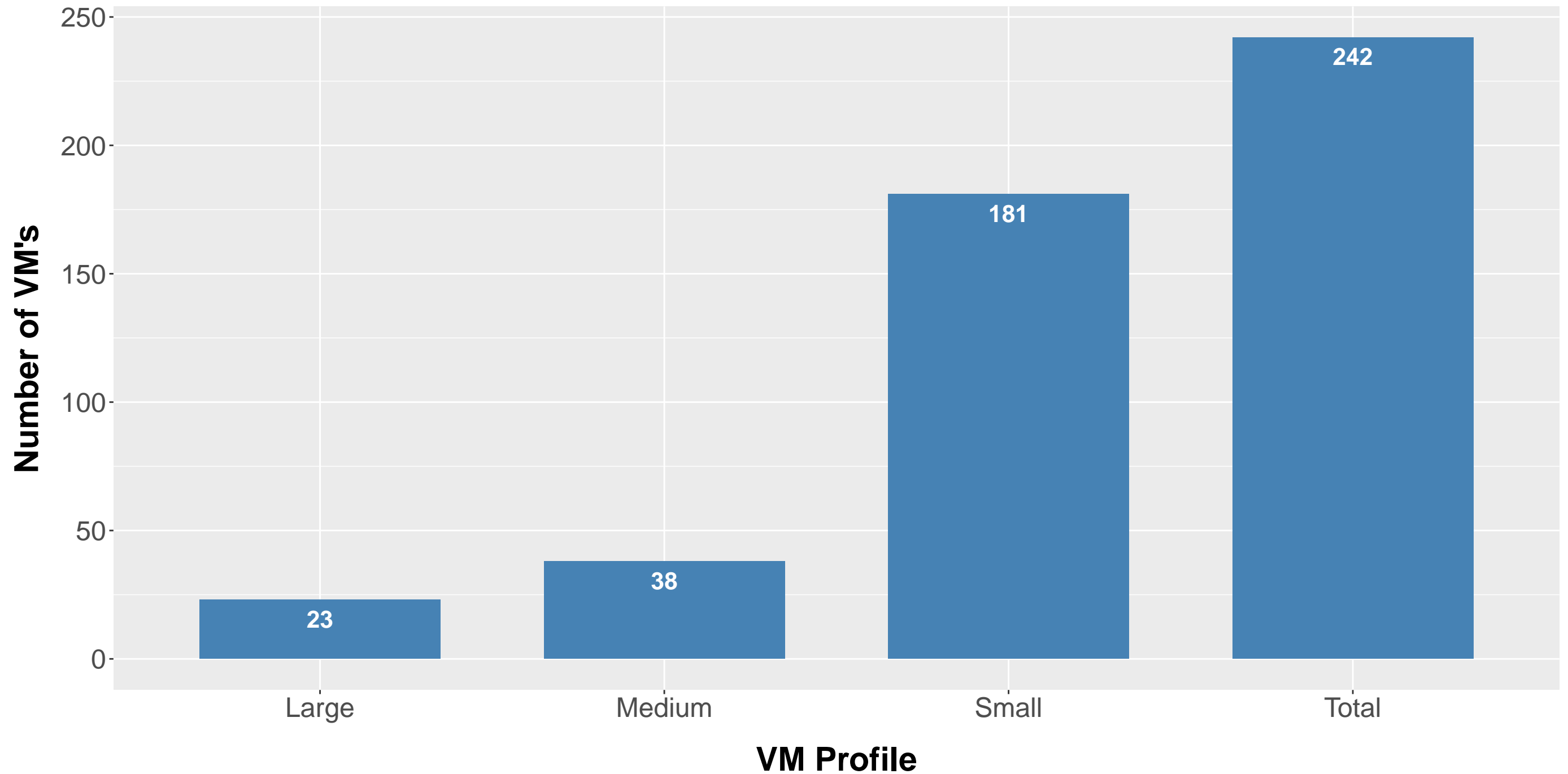
Summary of collected components for: ELS

Description	# VM's	# VM's on	# VM's off	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
Large	23	18	5	78.3	196	831.5	14305.4	17656	81
Medium	38	31	7	81.6	152	446.5	12251.6	13040.9	93.9
Small	181	144	37	79.6	311	1111.8	29436.4	34286	85.9
Total	242	193	49	79.8	659	2389.8	55993.4	64982.9	86.2

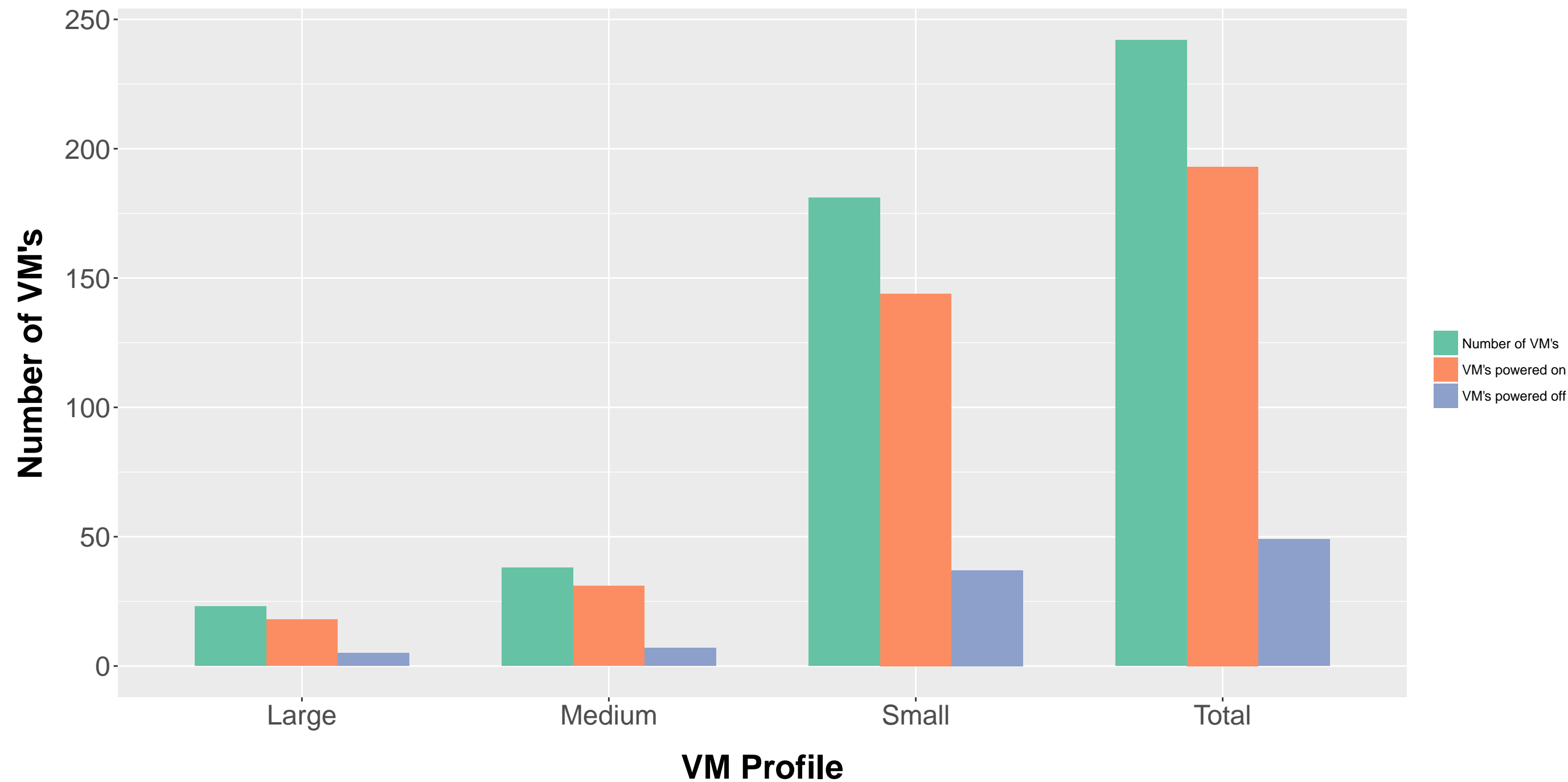
Average values of collected components for: ELS

Description	# VM's	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]
Large	23	78.3	8.5	36.2	622	767.7
Medium	38	81.6	4	11.8	322.4	343.2
Small	181	79.6	1.7	6.1	162.6	189.4
Total	242	79.8	2.7	9.9	231.4	268.5

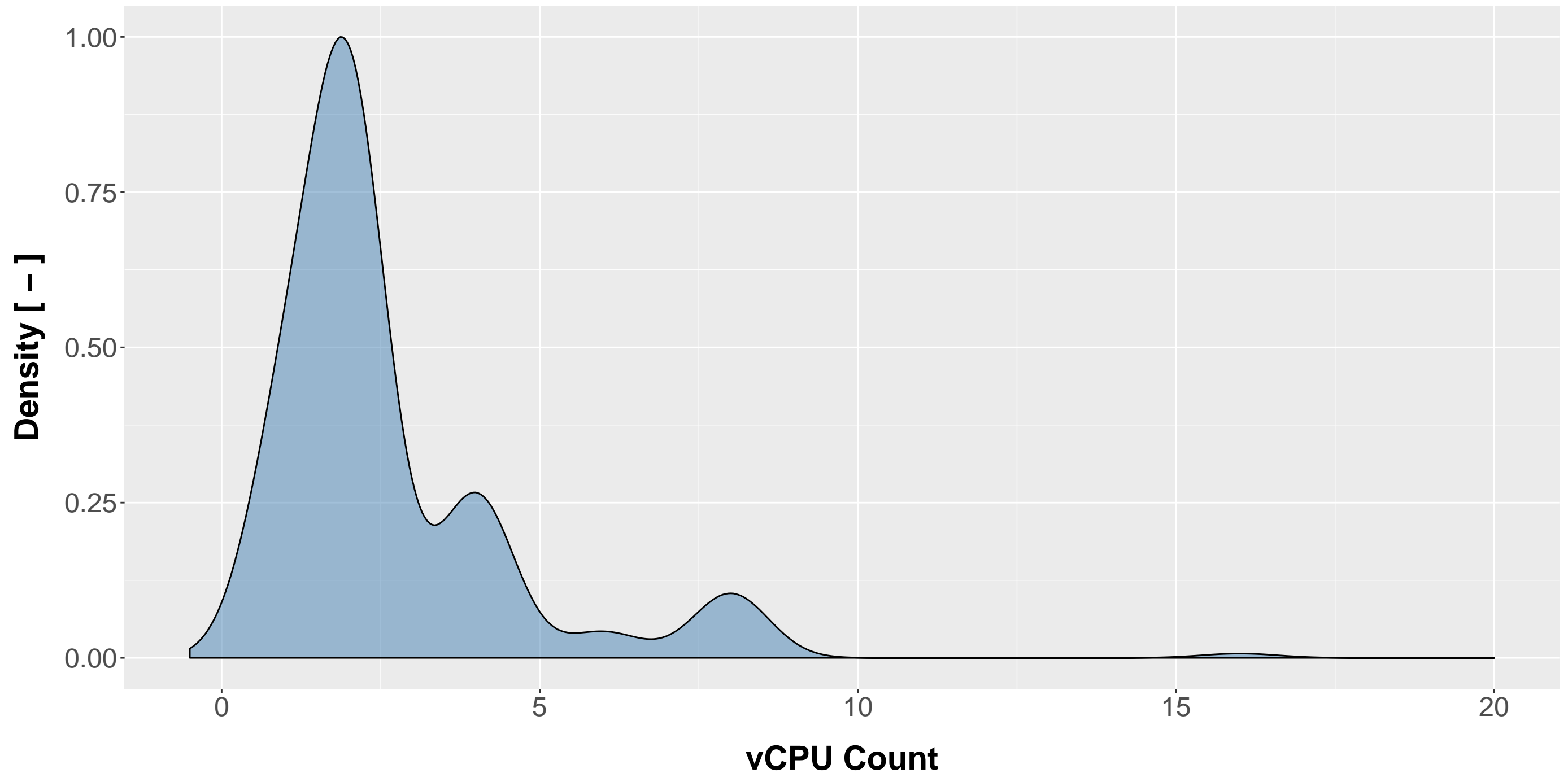
Number of VM's for each profile – ELS



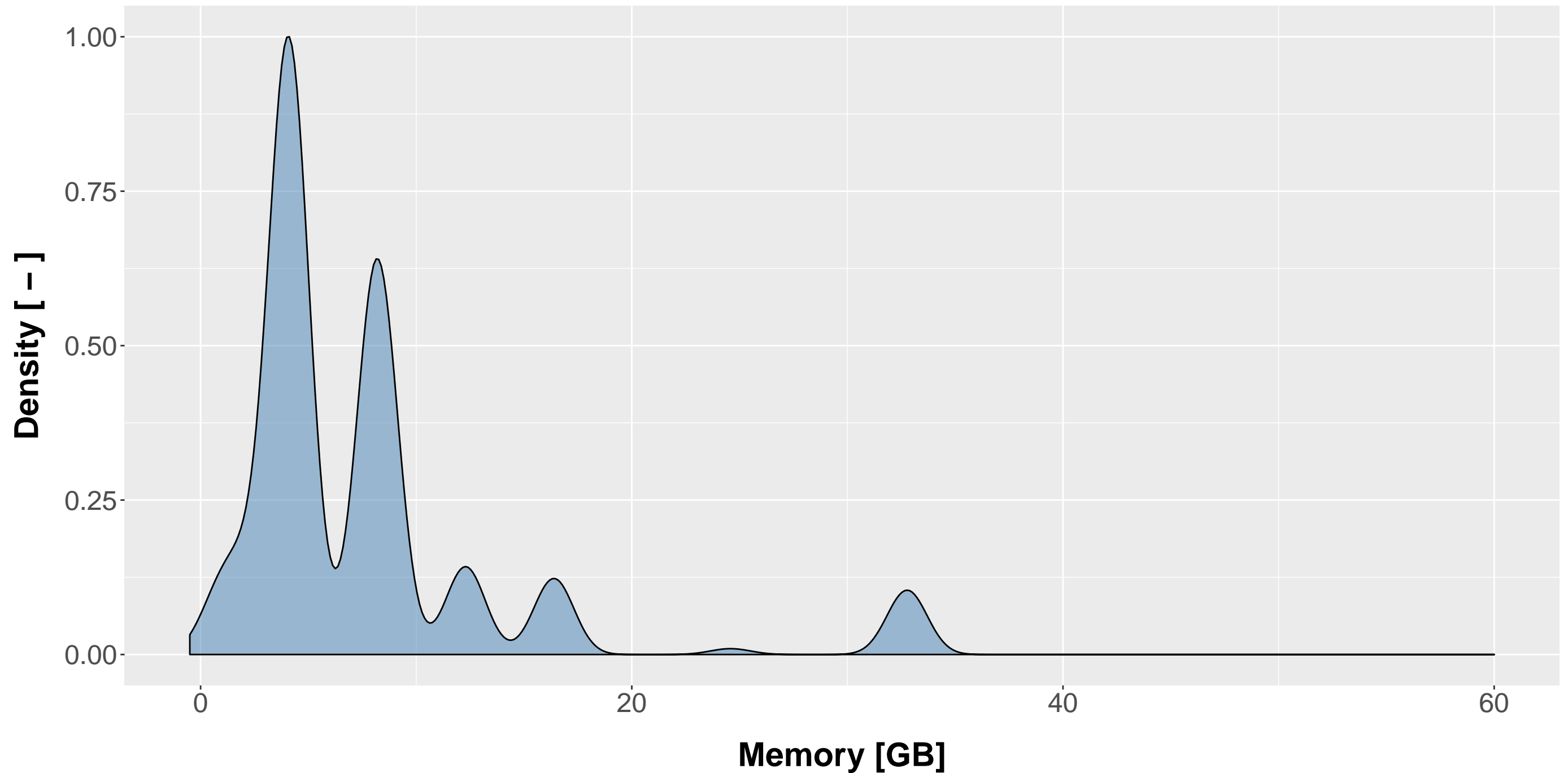
Overview of powered on / off VM's for each profile – ELS



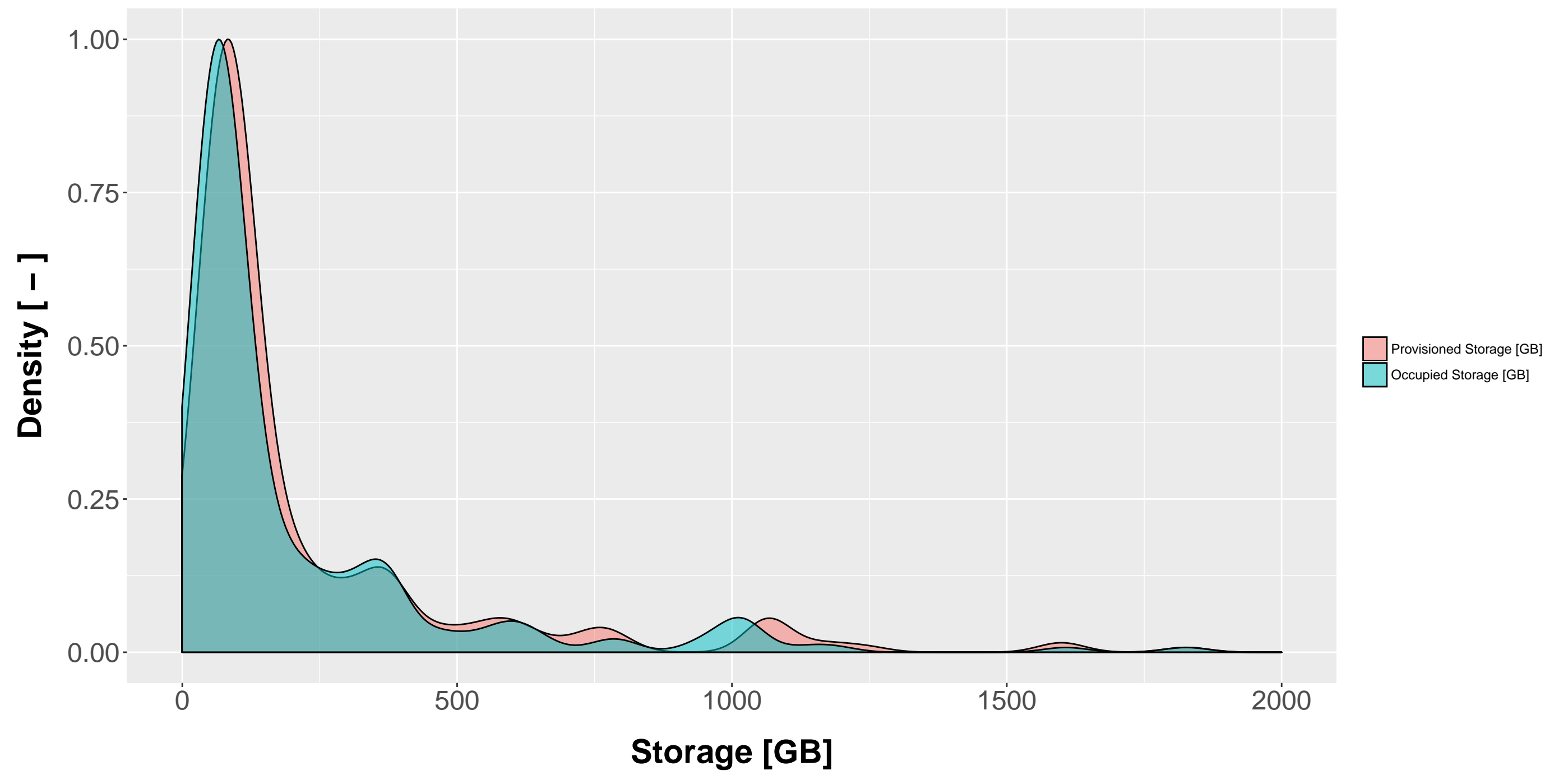
Distribution of vCPU for all VM's – ELS



Distribution of Memory for all VM's – ELS



Distribution of occupied and provisioned storage for all VM's – ELS



Summary for Datacenter: CHA

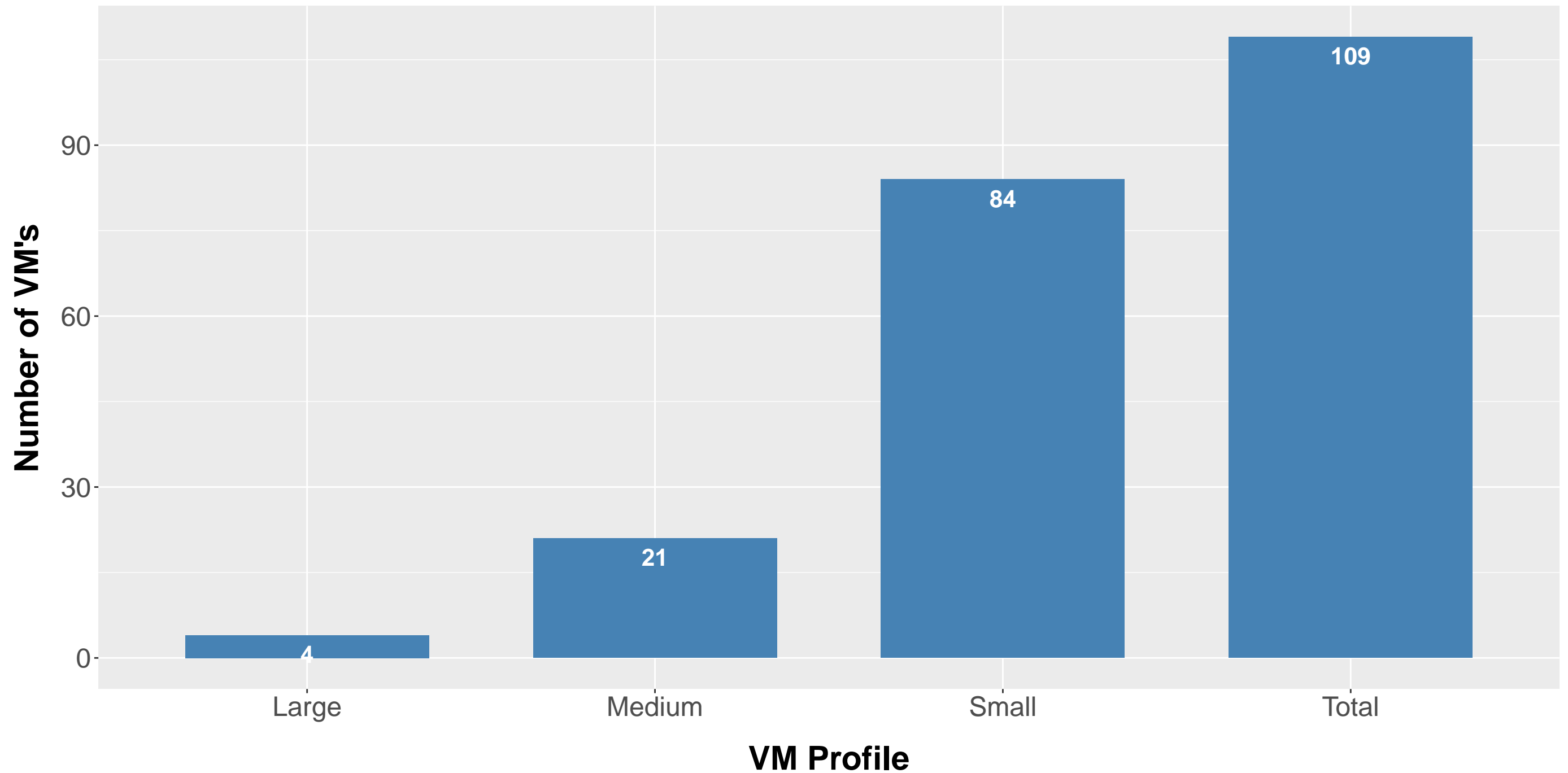
Summary of collected components for: CHA

Description	# VM's	# VM's on	# VM's off	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
Large	4	4	0	100	32	167.9	1961.6	3819.2	51.4
Medium	21	20	1	95.2	84	370.7	9140.3	9843.7	92.9
Small	84	71	13	84.5	158	565.1	18432.5	20413.6	90.3
Total	109	95	14	87.2	274	1103.7	29534.4	34076.5	86.7

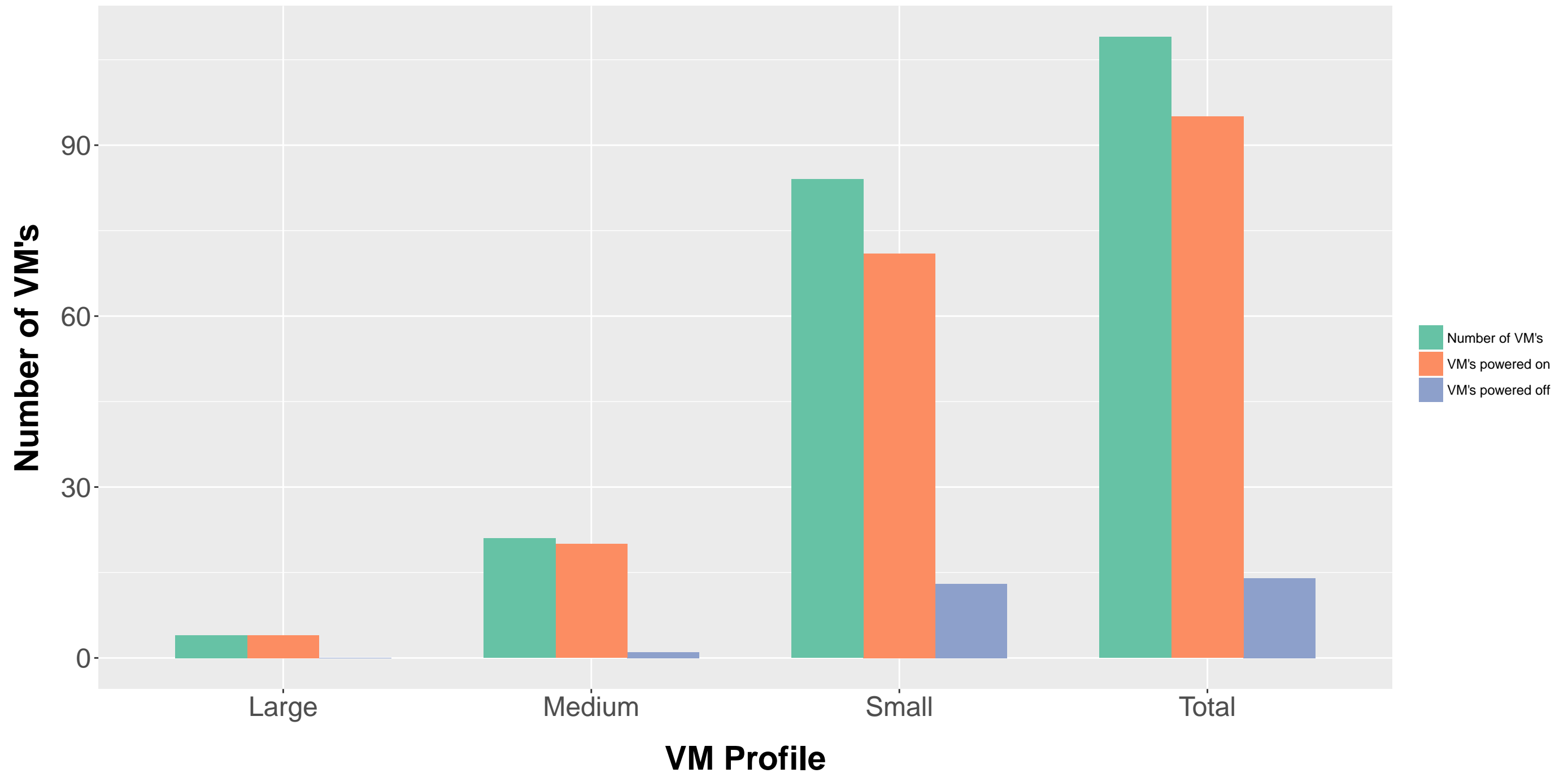
Average values of collected components for: CHA

Description	# VM's	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]
Large	4	100	8	42	490.4	954.8
Medium	21	95.2	4	17.7	435.3	468.7
Small	84	84.5	1.9	6.7	219.4	243
Total	109	87.2	2.5	10.1	271	312.6

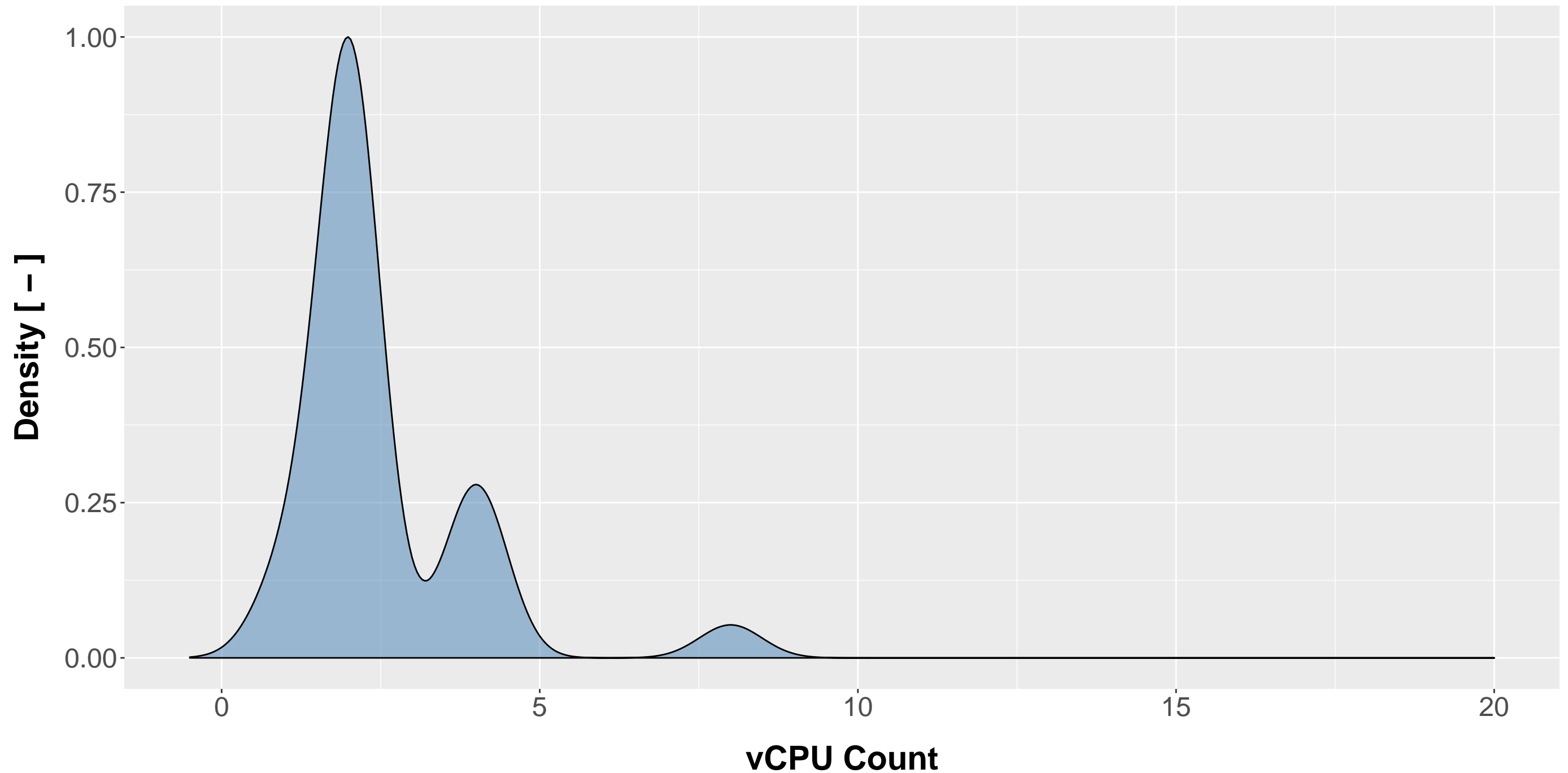
Number of VM's for each profile – CHA



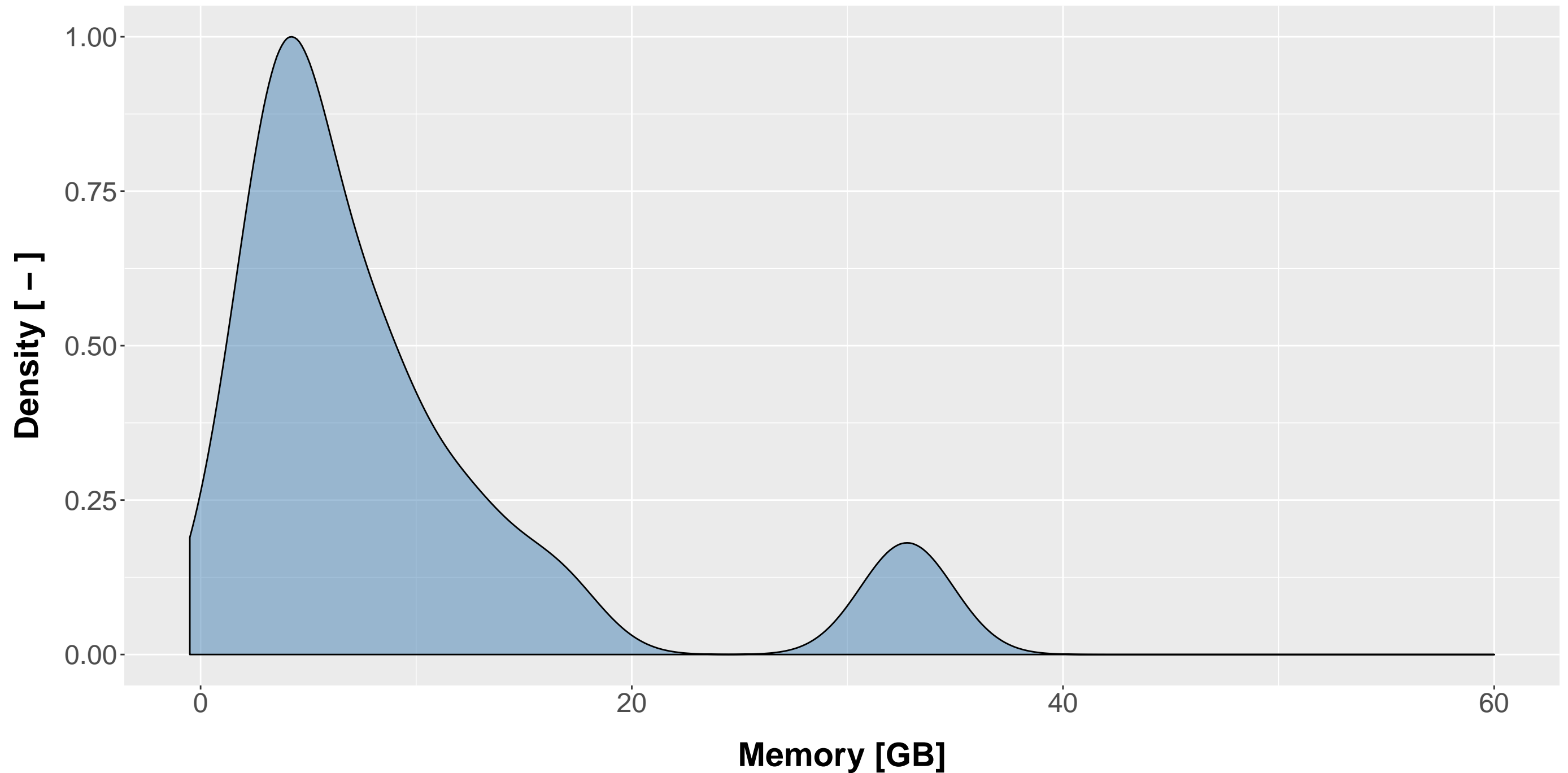
Overview of powered on / off VM's for each profile – CHA



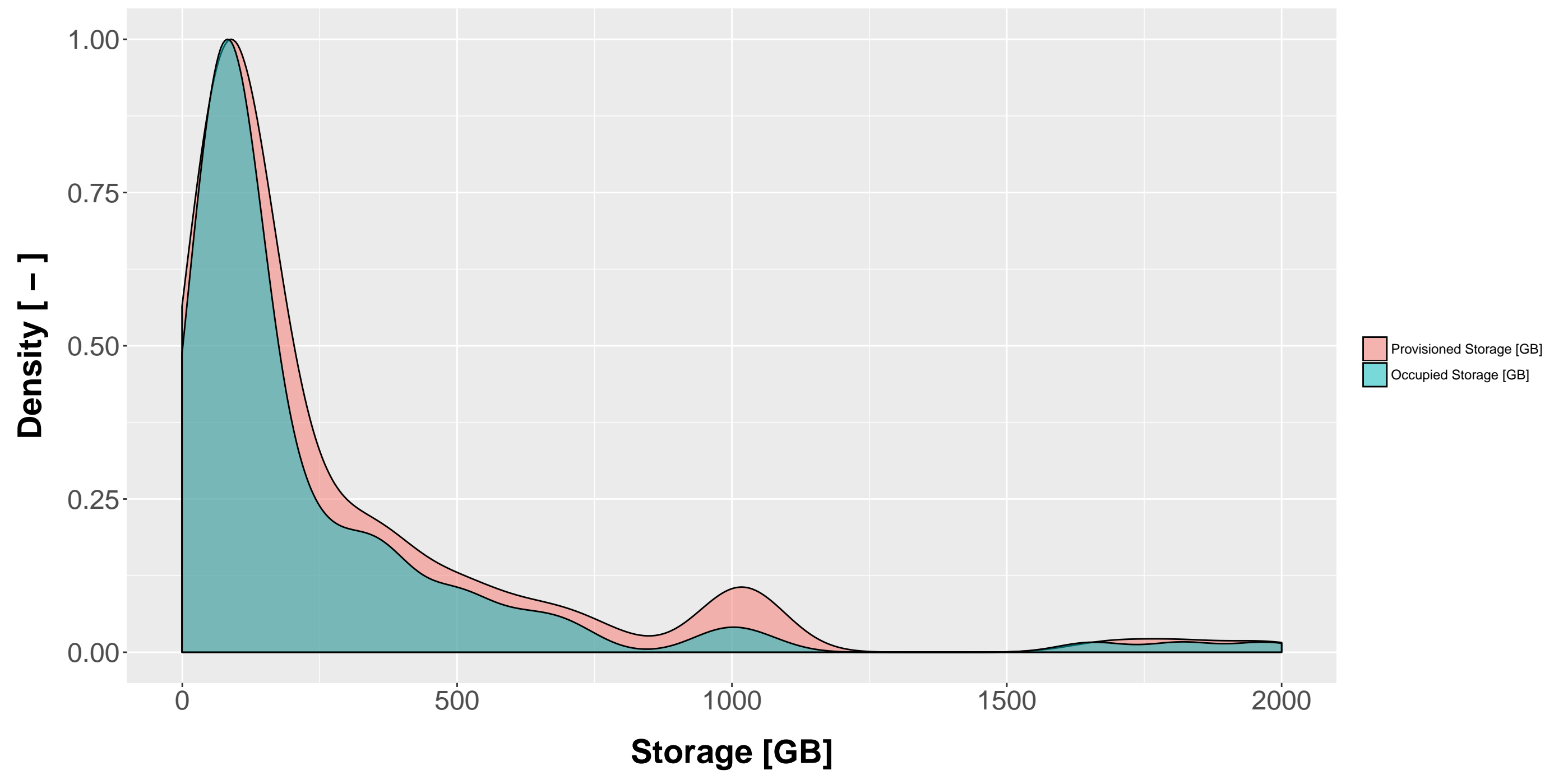
Distribution of vCPU for all VM's – CHA



Distribution of Memory for all VM's – CHA



Distribution of occupied and provisioned storage for all VM's – CHA



Summary for Datacenter: GOL

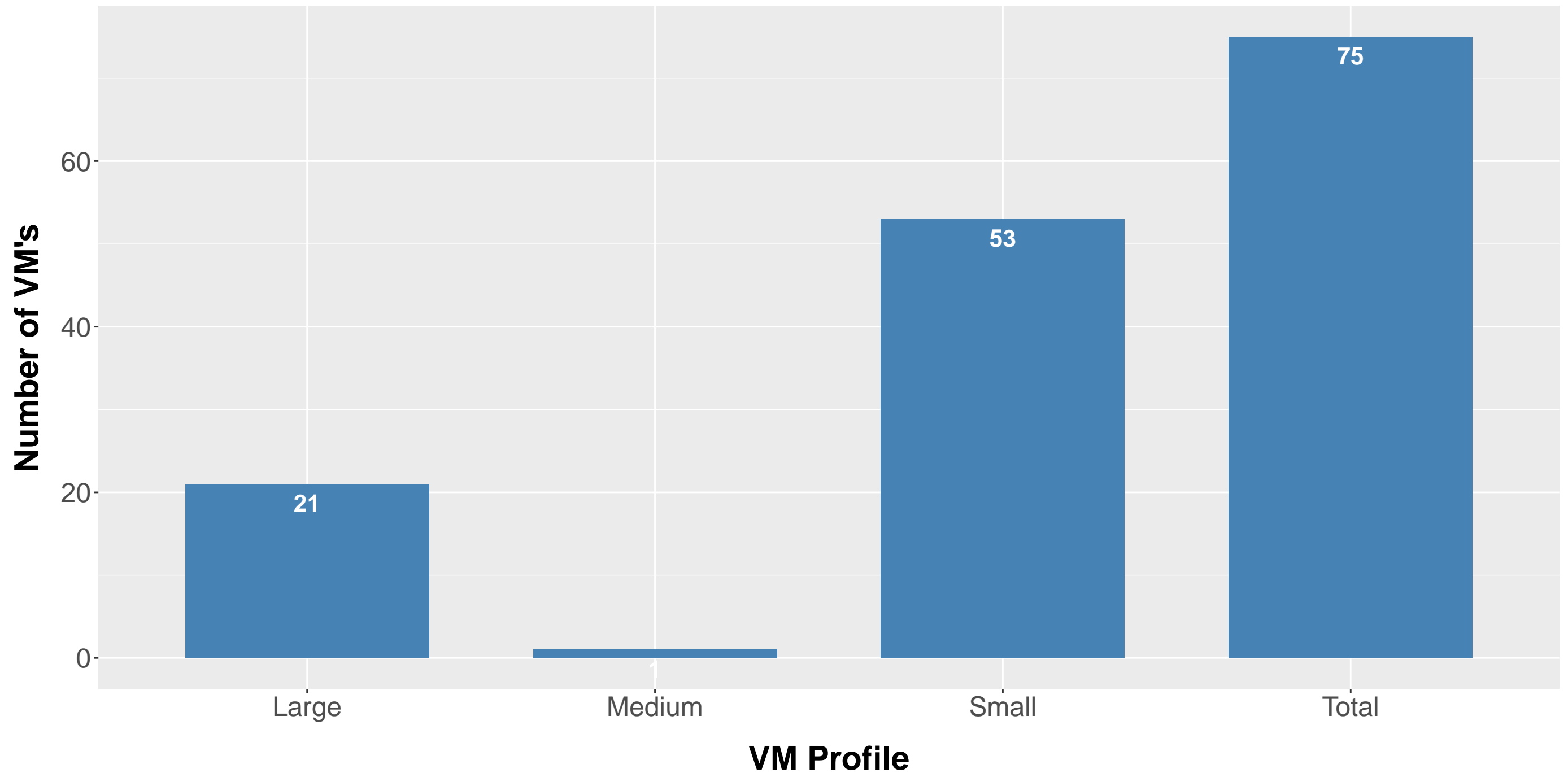
Summary of collected components for: GOL

Description	# VM's	# VM's on	# VM's off	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
Large	21	19	2	90.5	174	458.8	12738.7	13633.2	93.4
Medium	1	1	0	100	4	8.2	90.2	90.2	100
Small	53	45	8	84.9	94	243.7	7964.1	8167.3	97.5
Total	75	65	10	86.7	272	710.7	20793	21890.7	95

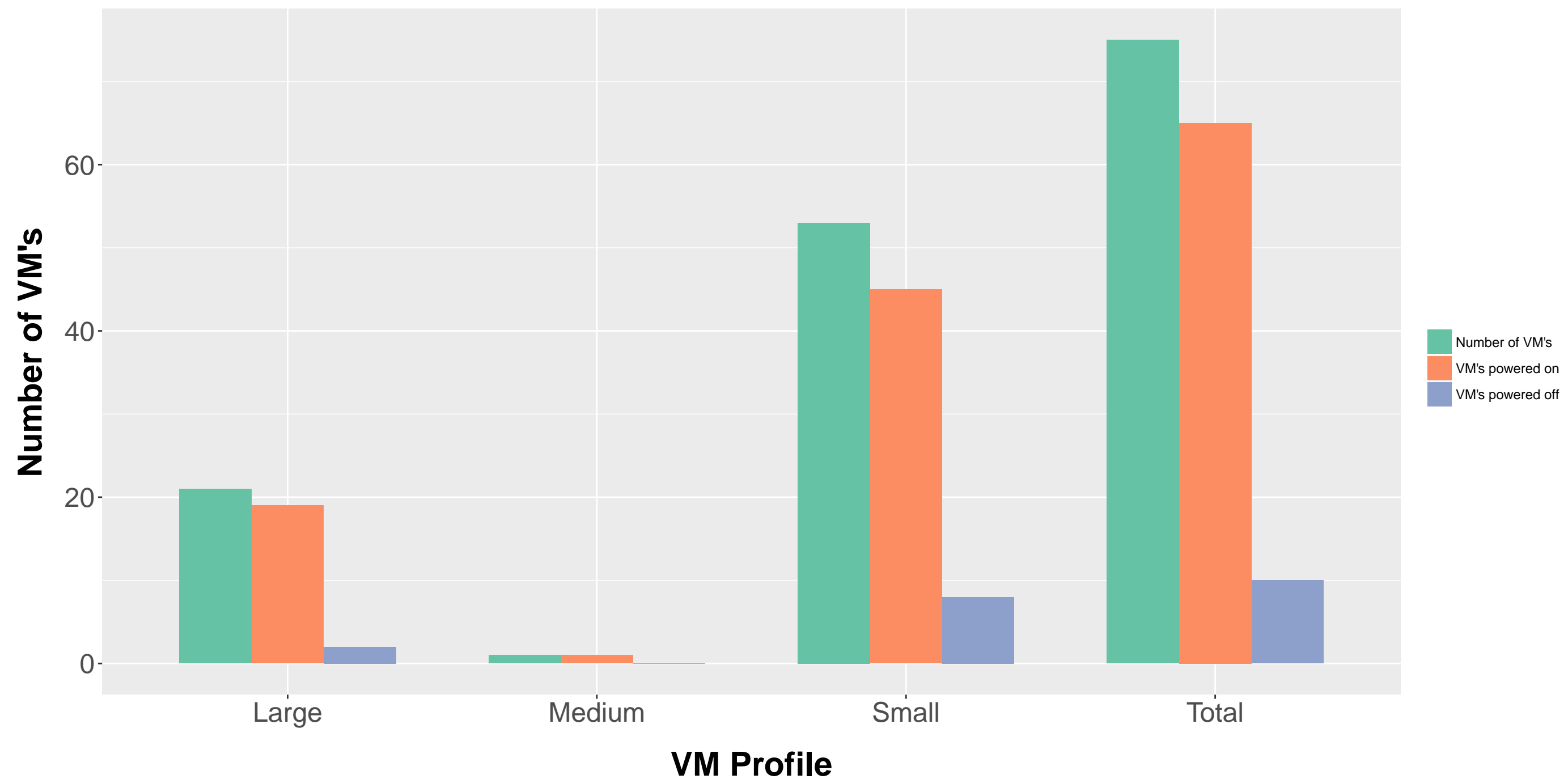
Average values of collected components for: GOL

Description	# VM's	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]
Large	21	90.5	8.3	21.8	606.6	649.2
Medium	1	100	4	8.2	90.2	90.2
Small	53	84.9	1.8	4.6	150.3	154.1
Total	75	86.7	3.6	9.5	277.2	291.9

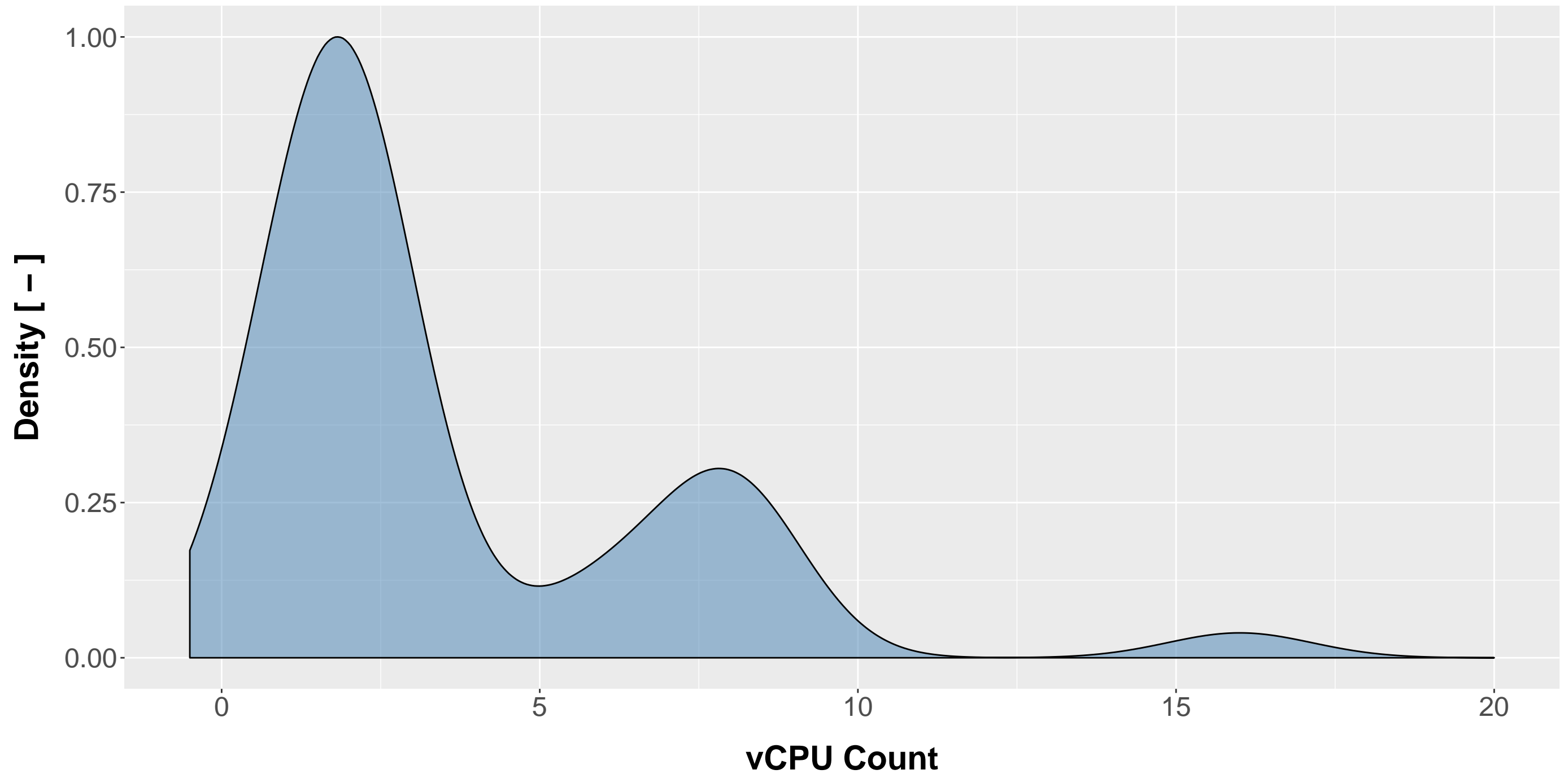
Number of VM's for each profile – GOL



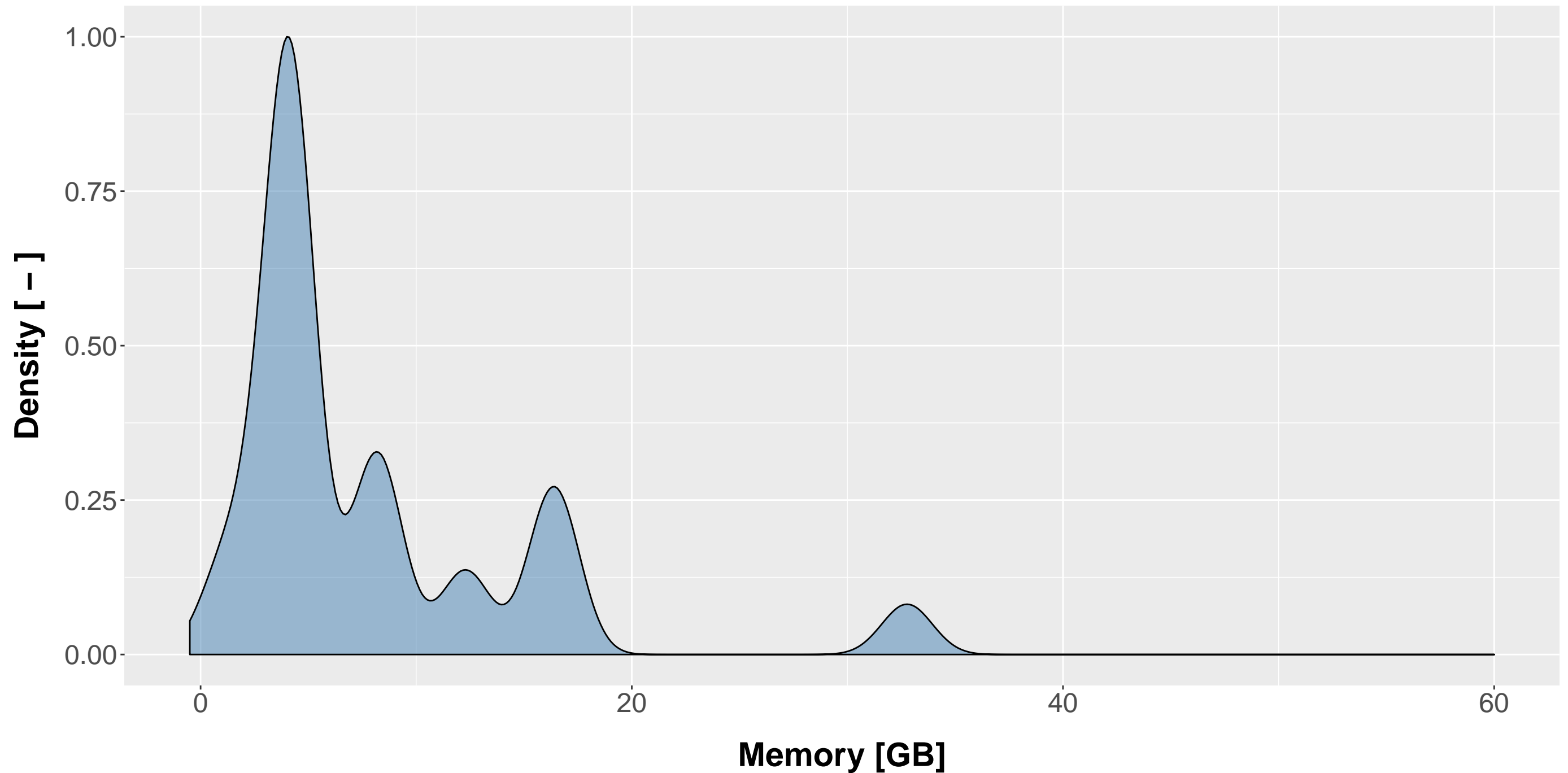
Overview of powered on / off VM's for each profile – GOL



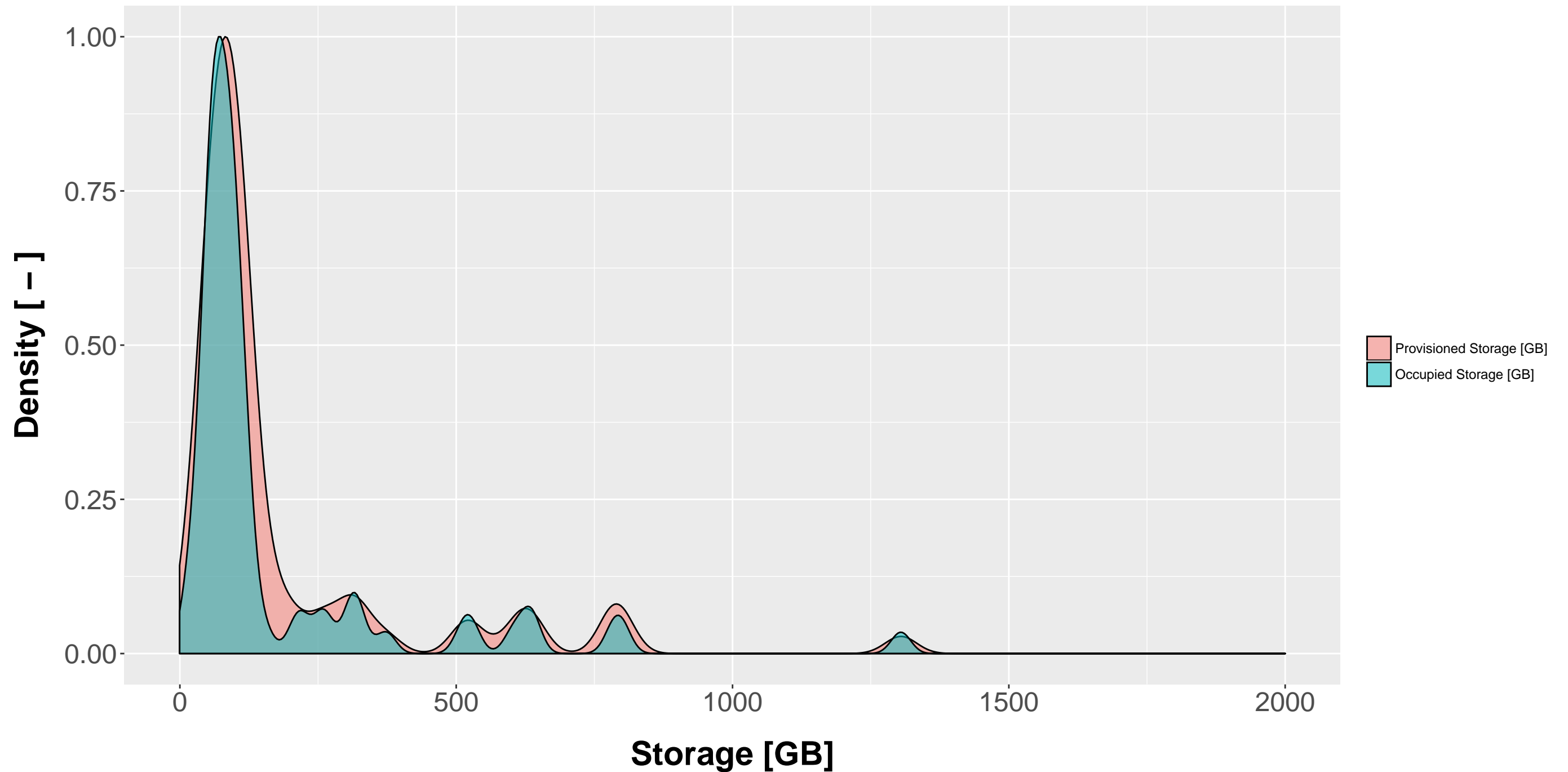
Distribution of vCPU for all VM's – GOL



Distribution of Memory for all VM's – GOL



Distribution of occupied and provisioned storage for all VM's – GOL



Summary for Datacenter: SOT

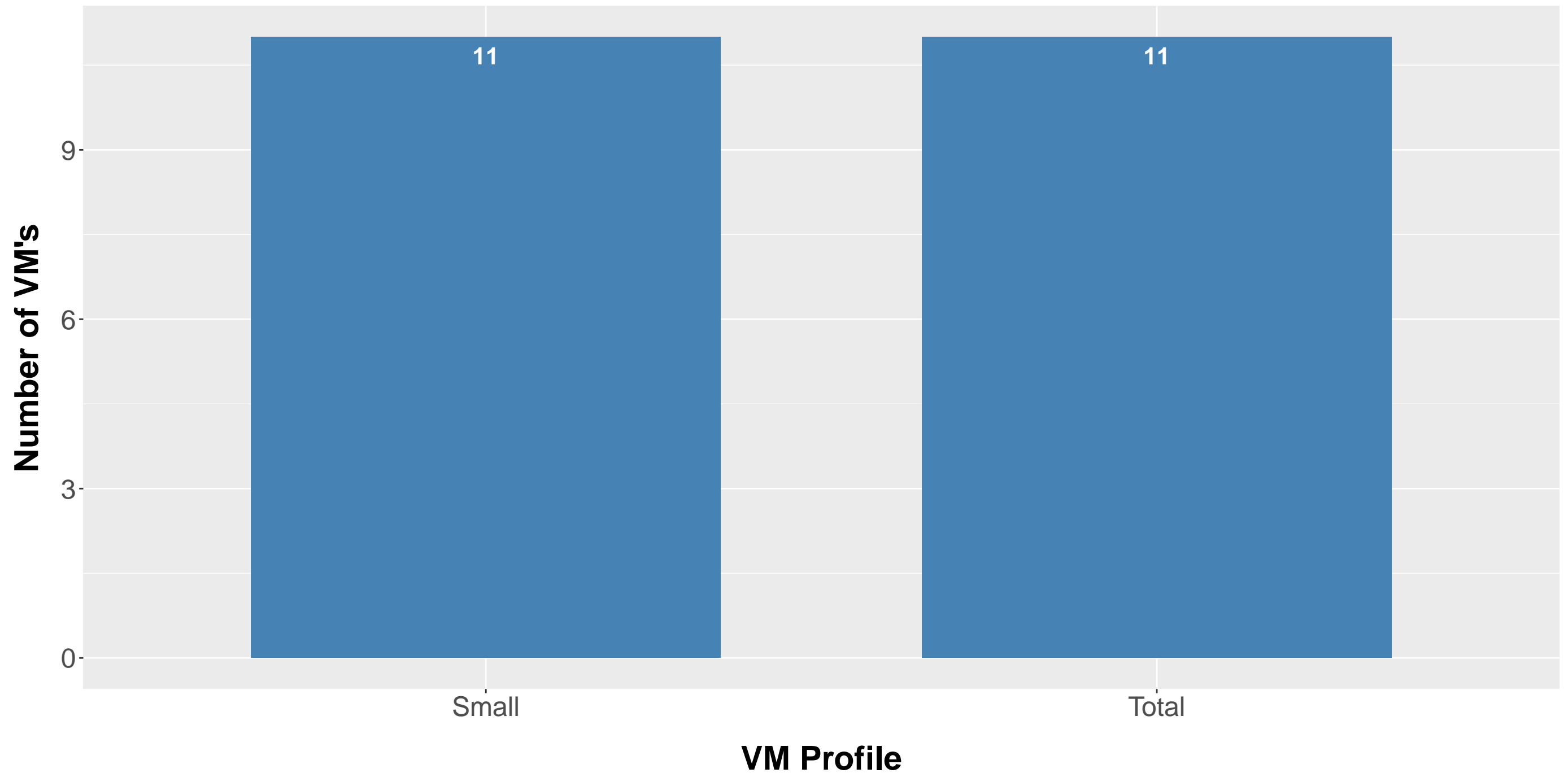
Summary of collected components for: SOT

Description	# VM's	# VM's on	# VM's off	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
Small	11	8	3	72.7	20	61.4	1023.1	1111.6	92
Total	11	8	3	72.7	20	61.4	1023.1	1111.6	92

Average values of collected components for: SOT

Description	# VM's	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]
Small	11	72.7	1.8	5.6	93	101.1
Total	11	72.7	1.8	5.6	93	101.1

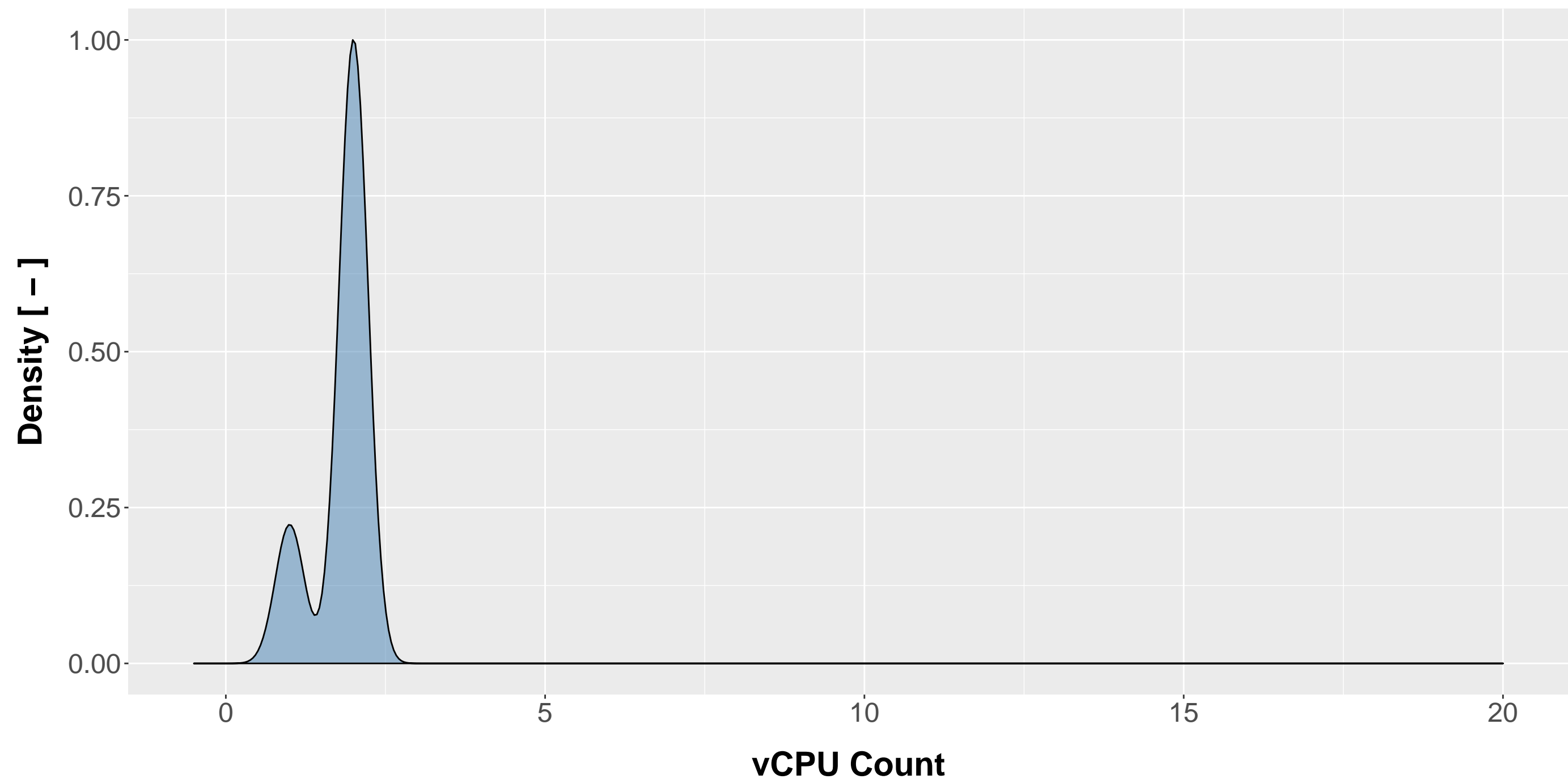
Number of VM's for each profile – SOT



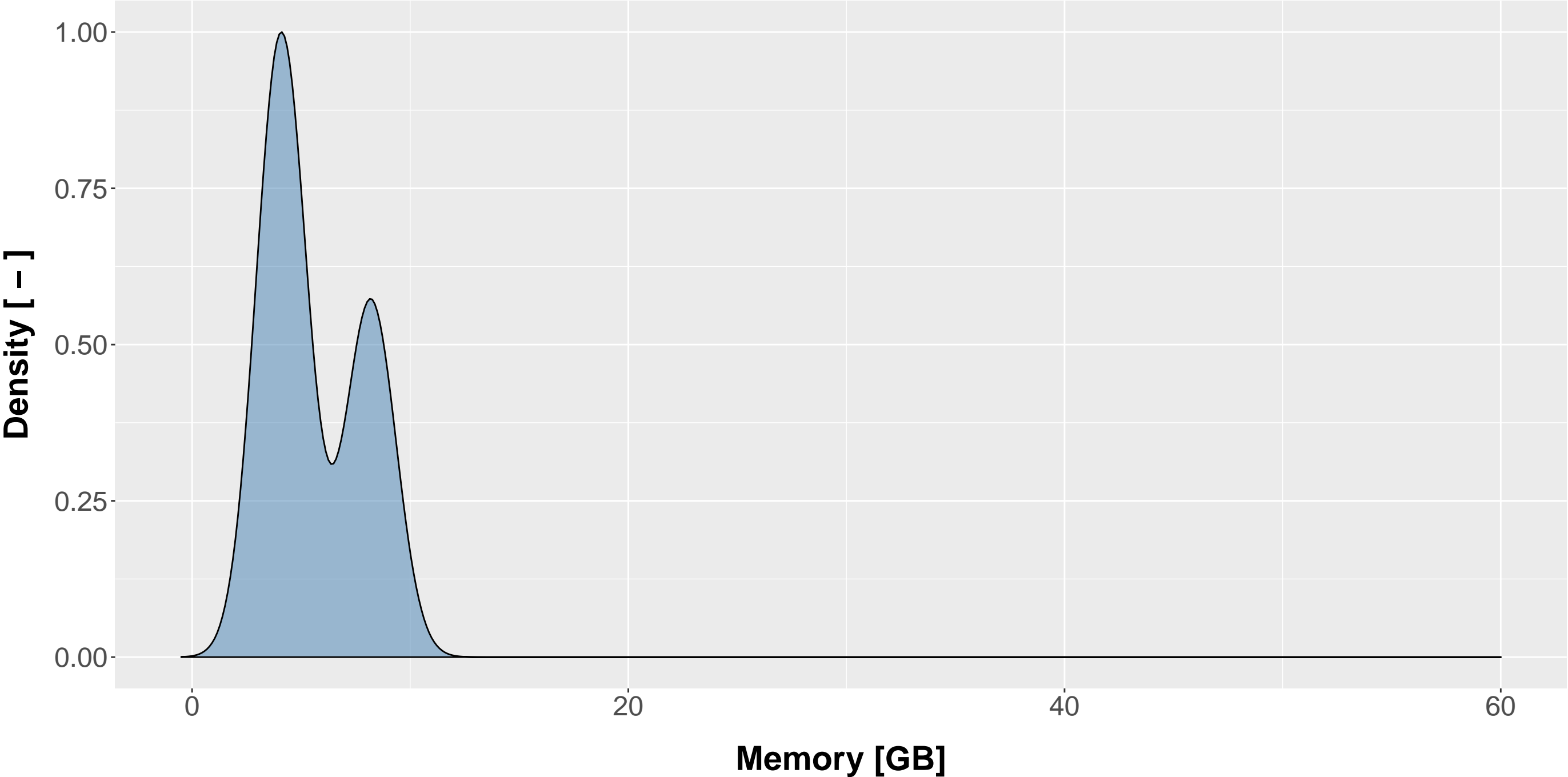
Overview of powered on / off VM's for each profile – SOT



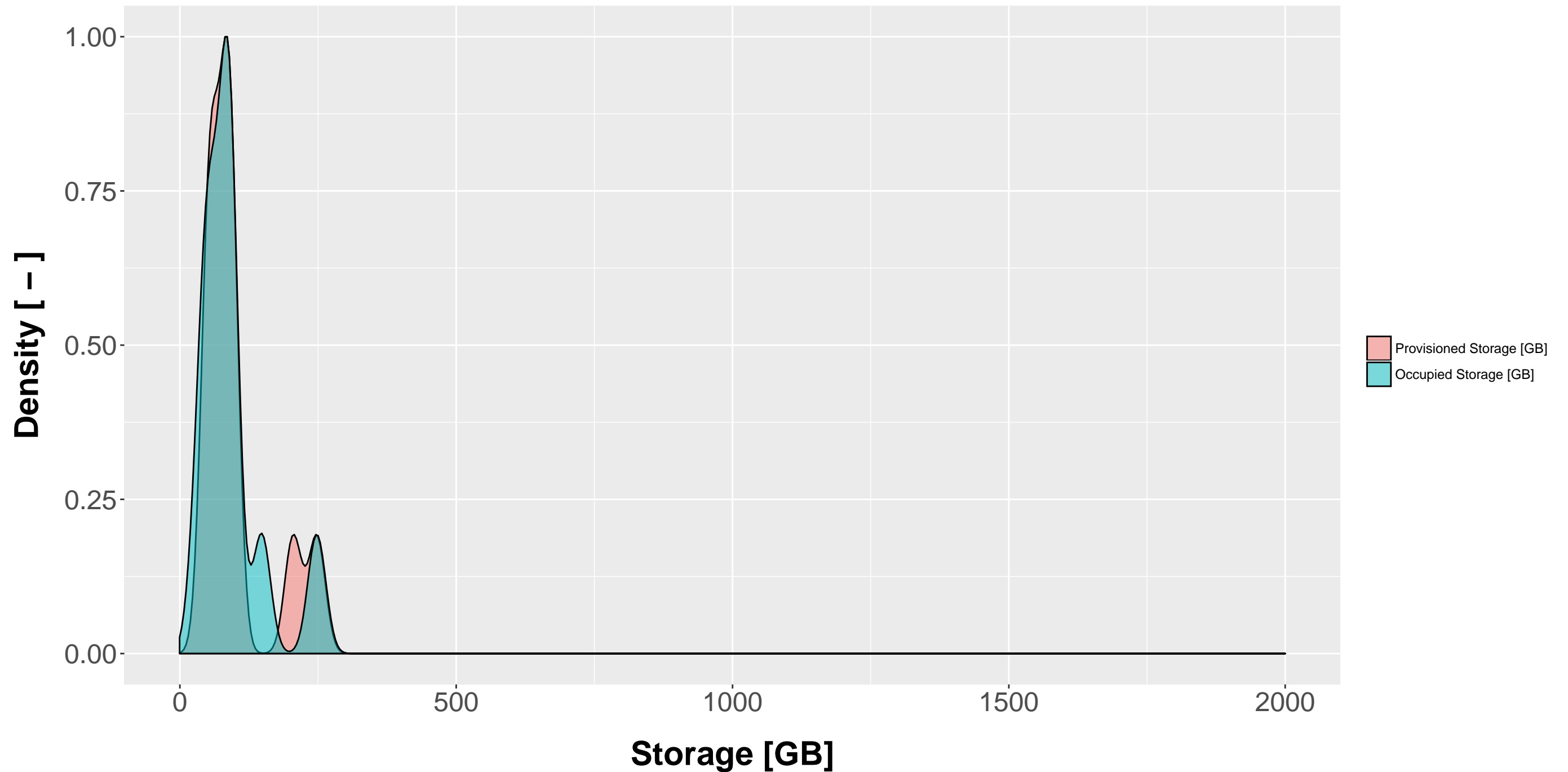
Distribution of vCPU for all VM's – SOT



Distribution of Memory for all VM's – SOT



Distribution of occupied and provisioned storage for all VM's – SOT



Summary for Datacenter: STA

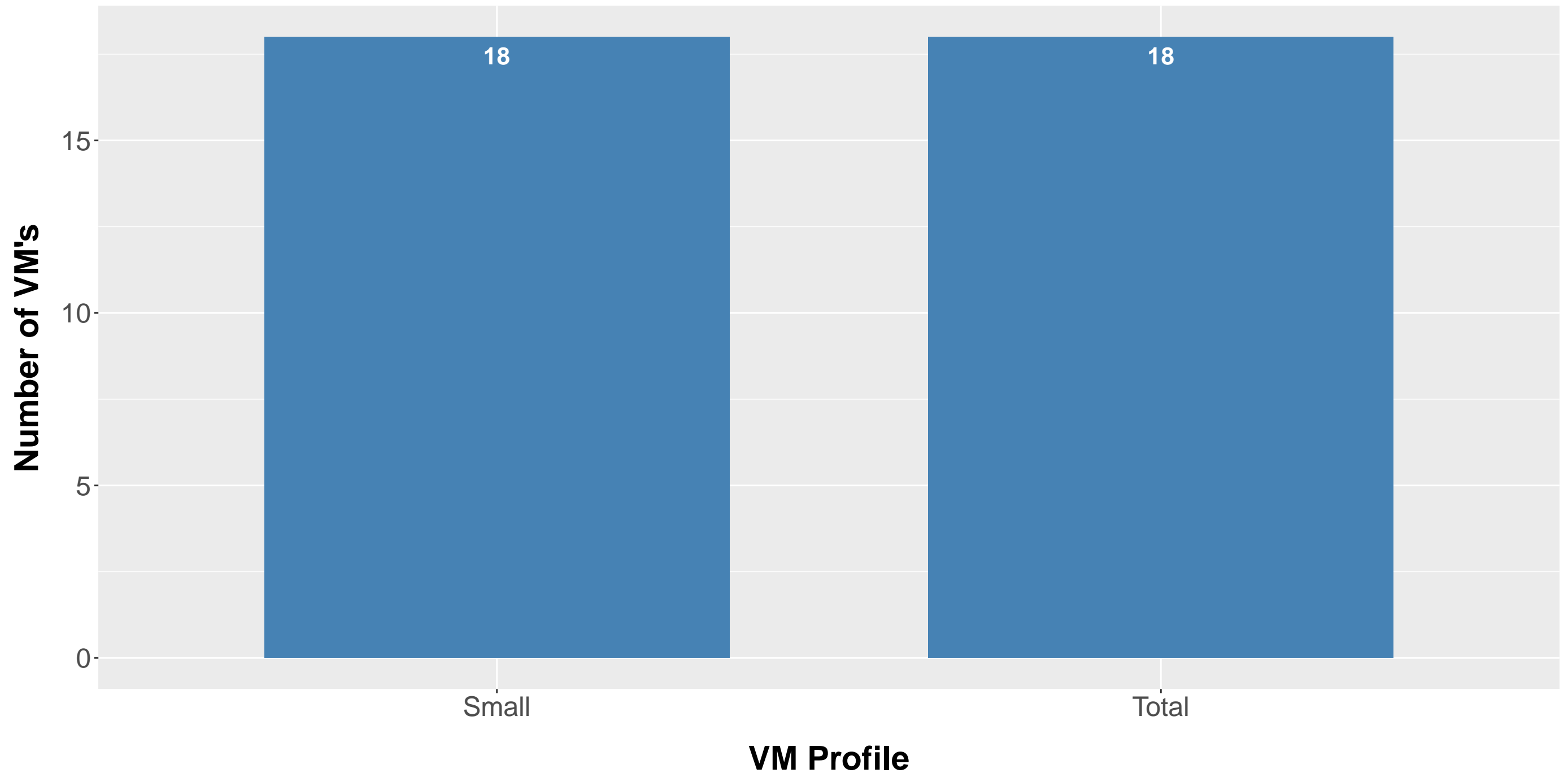
Summary of collected components for: STA

Description	# VM's	# VM's on	# VM's off	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]	Thin / Thick Ratio [%]
Small	18	14	4	77.8	32	94.2	1541.4	2185.5	70.5
Total	18	14	4	77.8	32	94.2	1541.4	2185.5	70.5

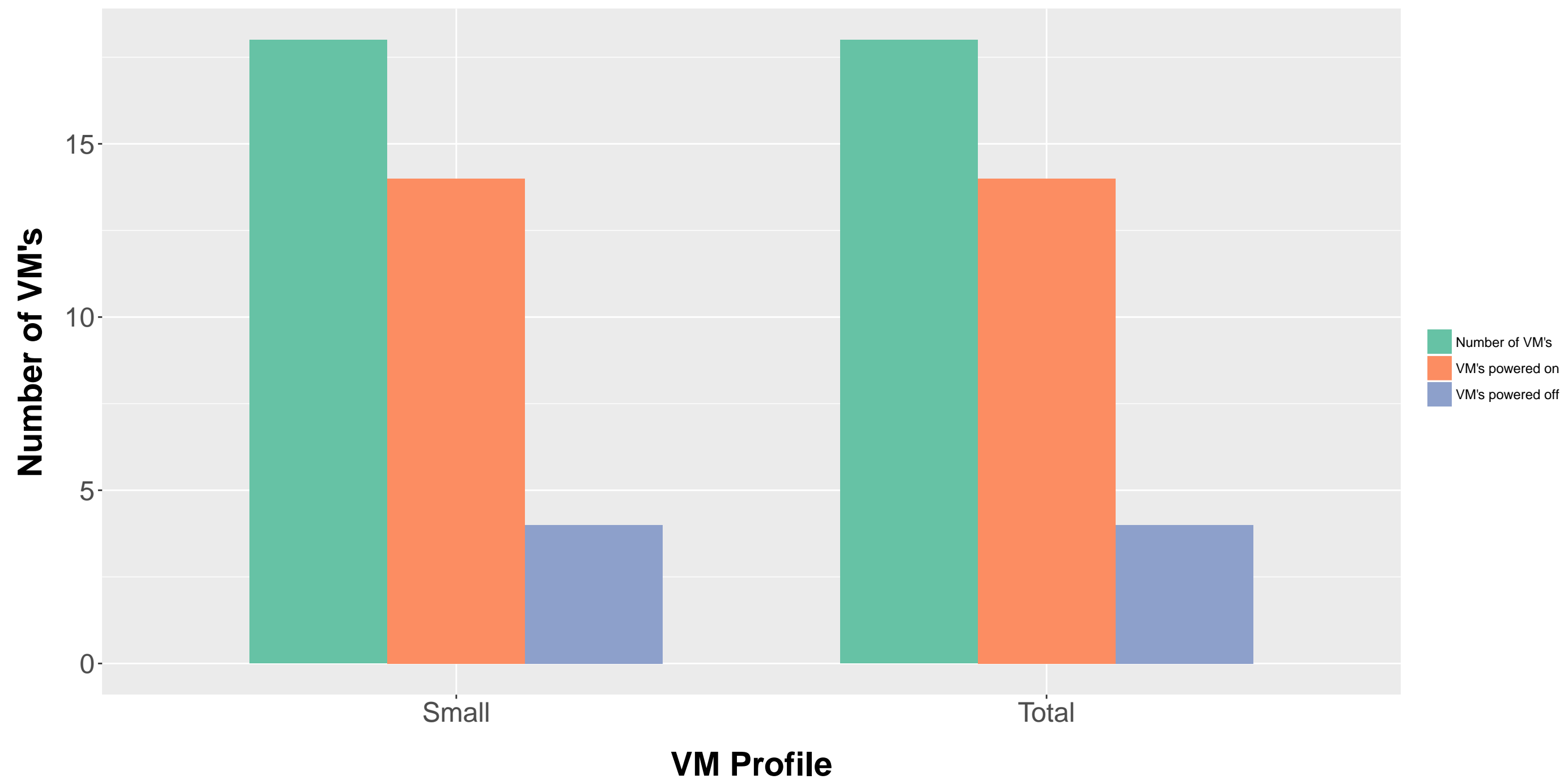
Average values of collected components for: STA

Description	# VM's	Concurrent Ratio [%]	# vCPU's	Memory [GB]	Occupied Storage [GB]	Provisioned Storage [GB]
Small	18	77.8	1.8	5.2	85.6	121.4
Total	18	77.8	1.8	5.2	85.6	121.4

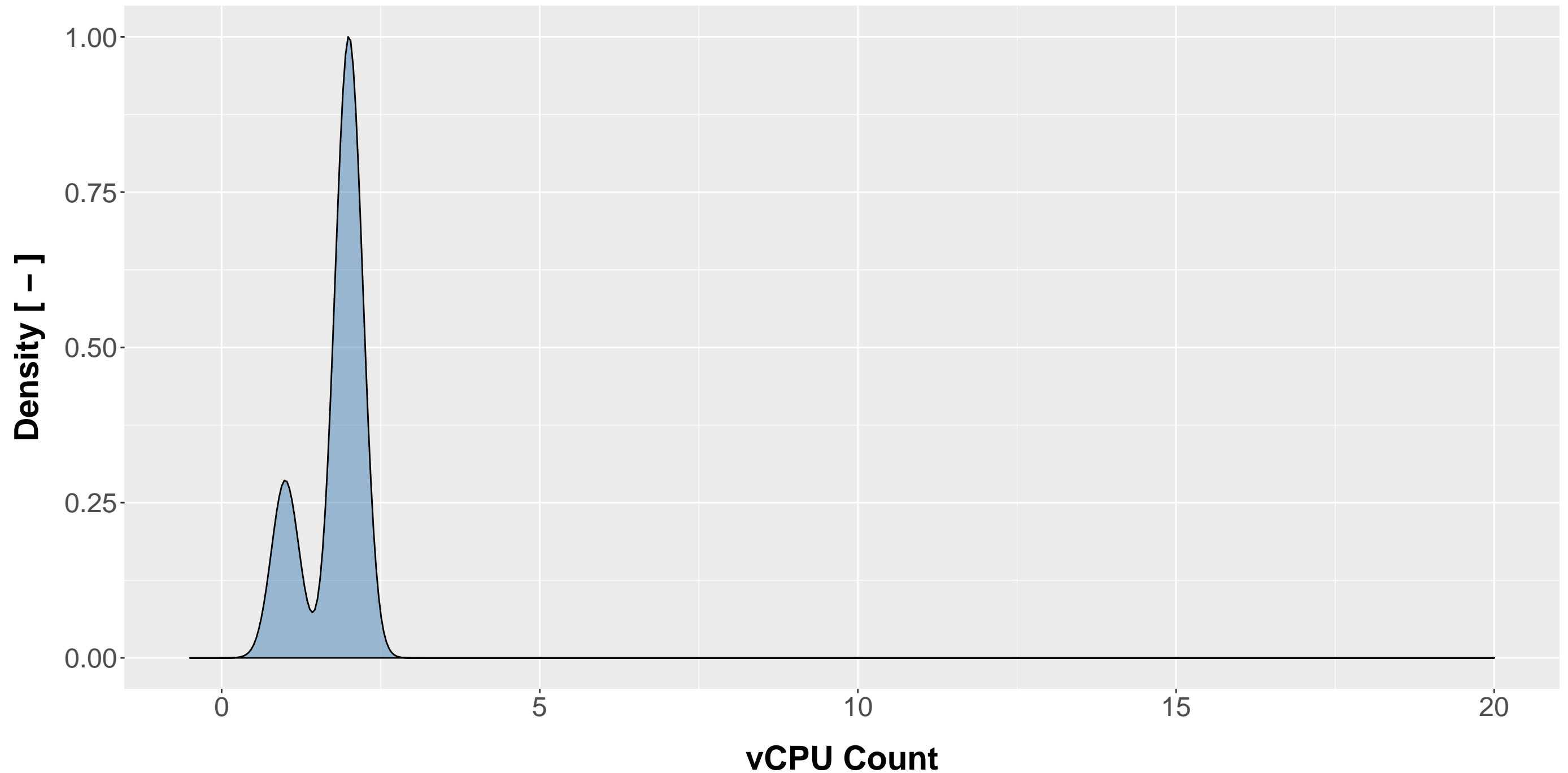
Number of VM's for each profile – STA



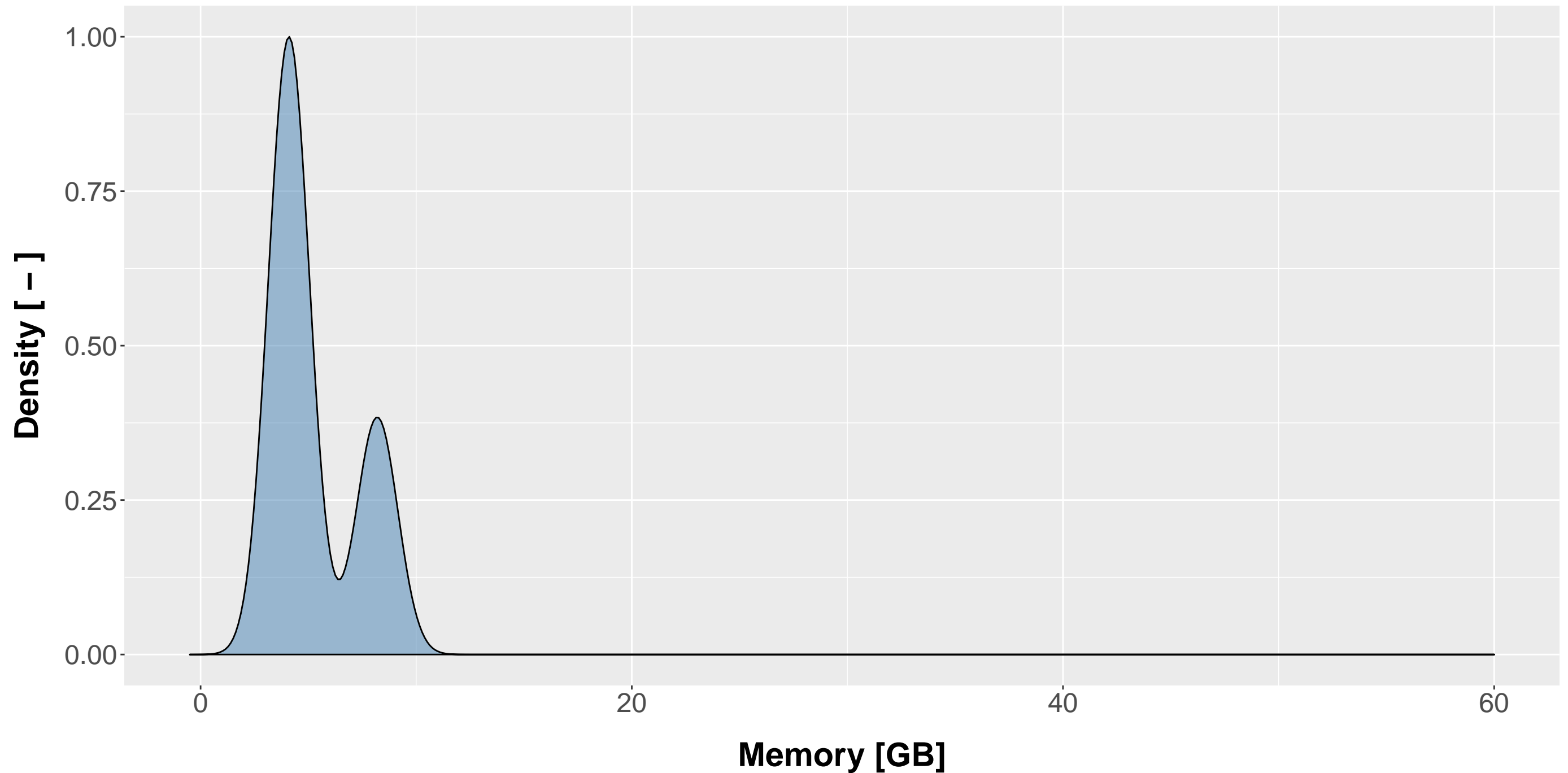
Overview of powered on / off VM's for each profile – STA



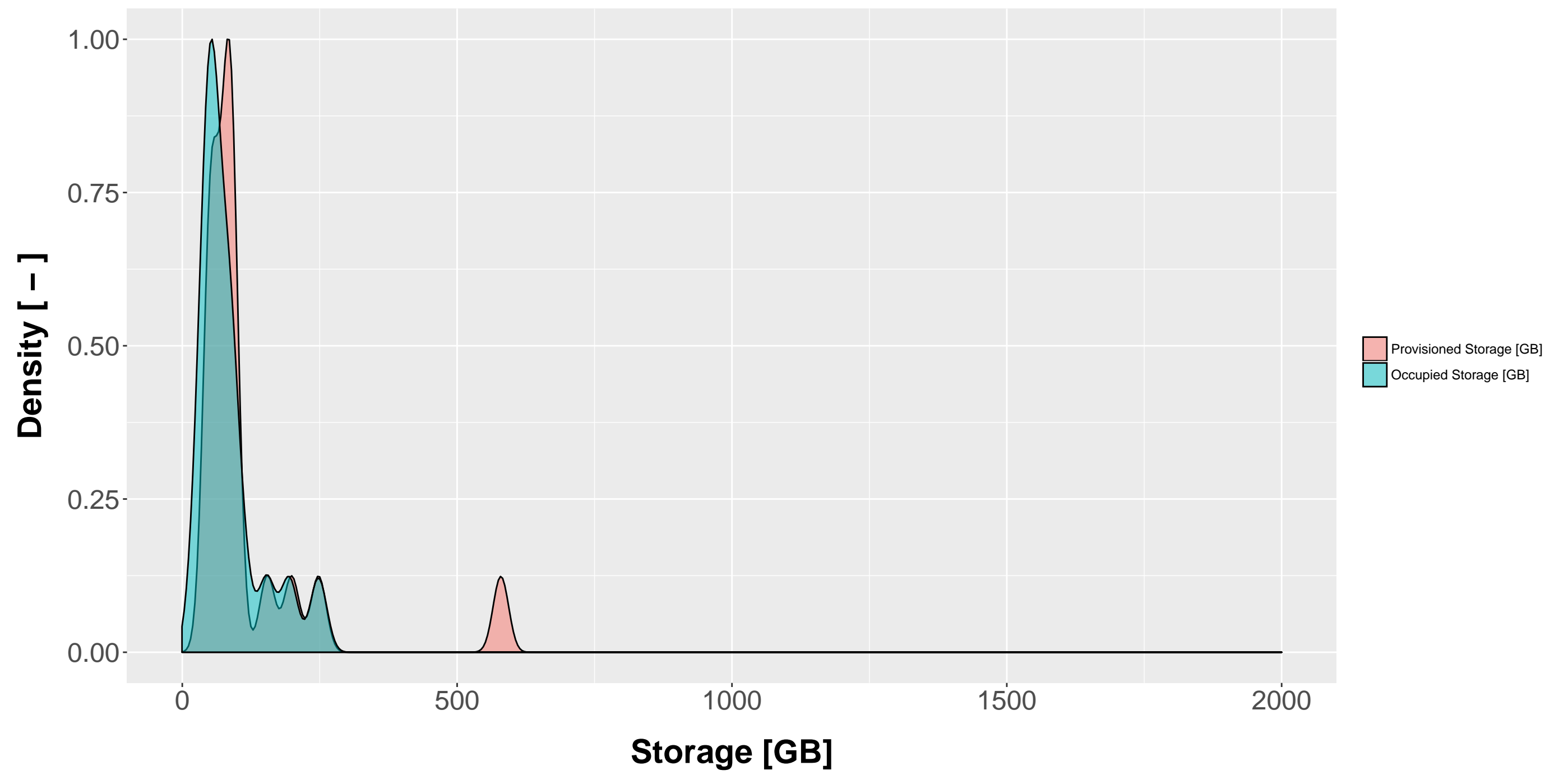
Distribution of vCPU for all VM's – STA



Distribution of Memory for all VM's – STA

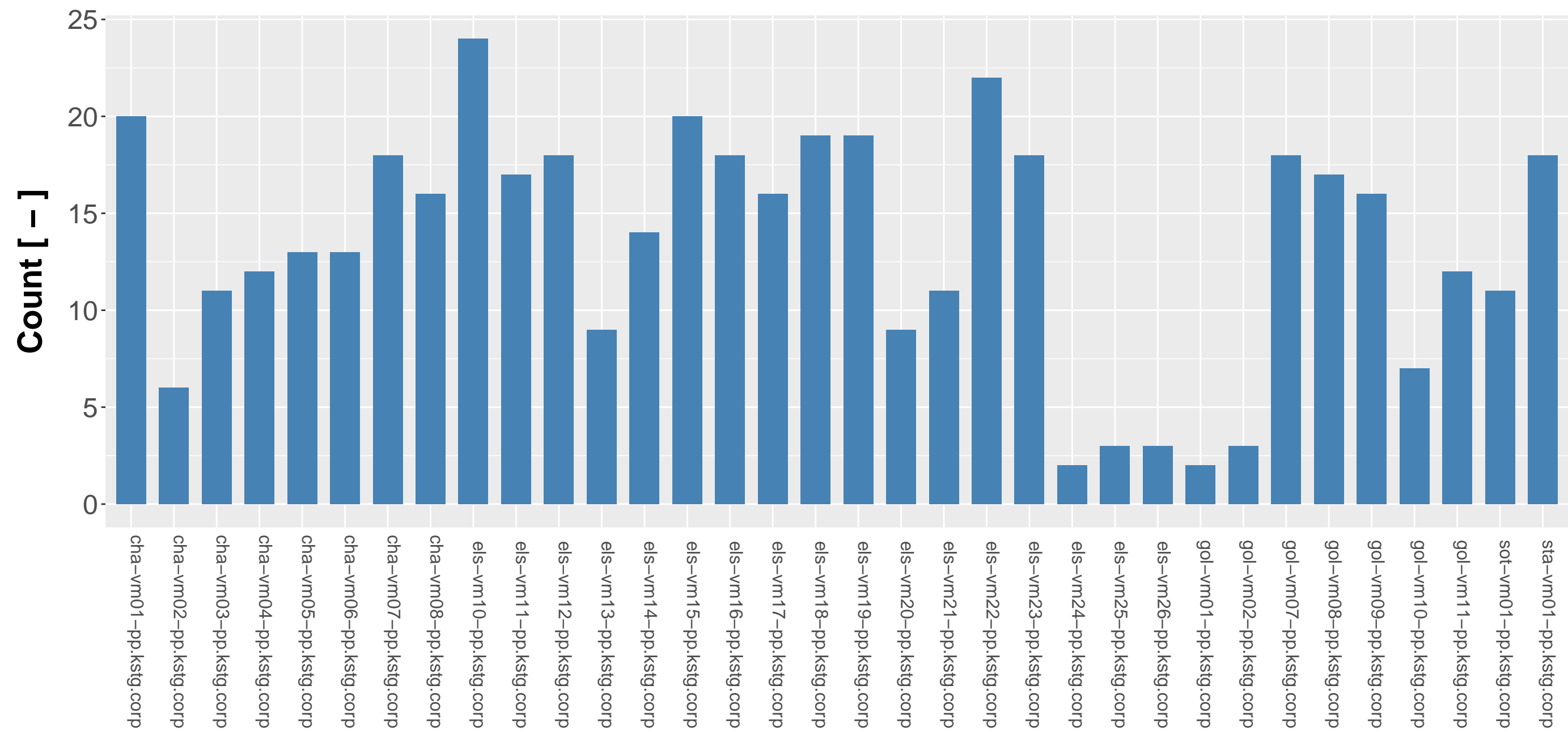


Distribution of occupied and provisioned storage for all VM's – STA

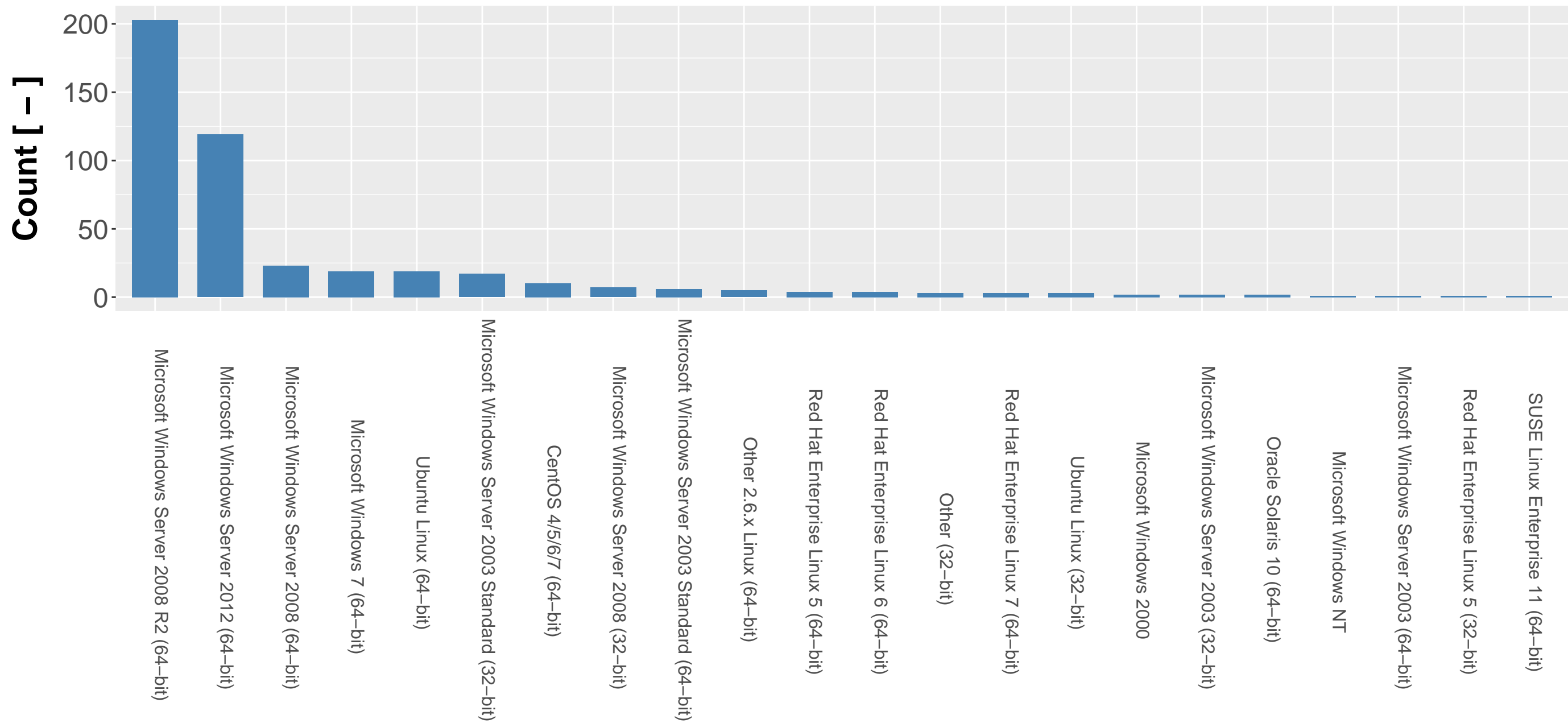


Host and OS overview

Number of VM's for each Host

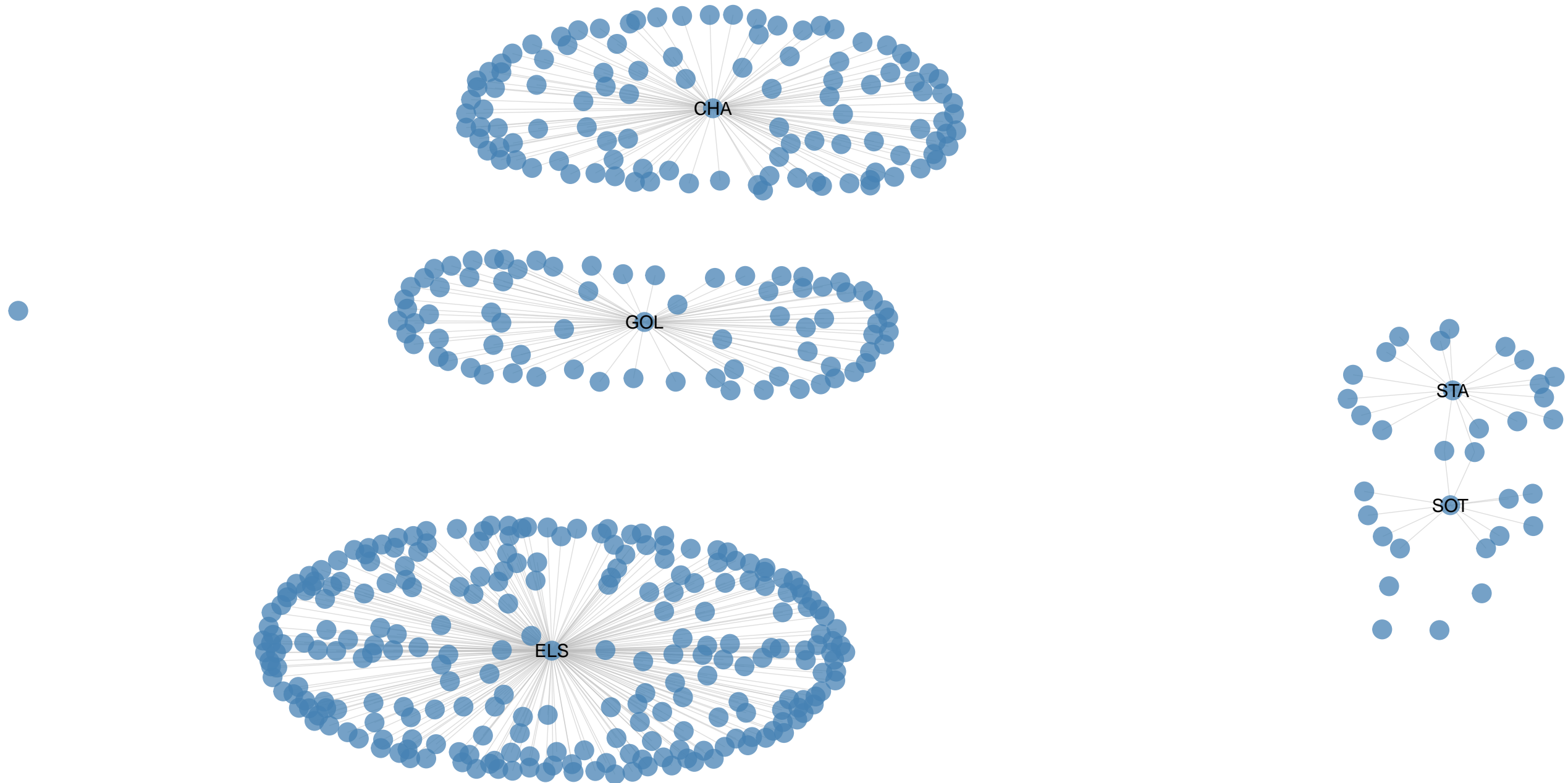


Overview of Operating Systems

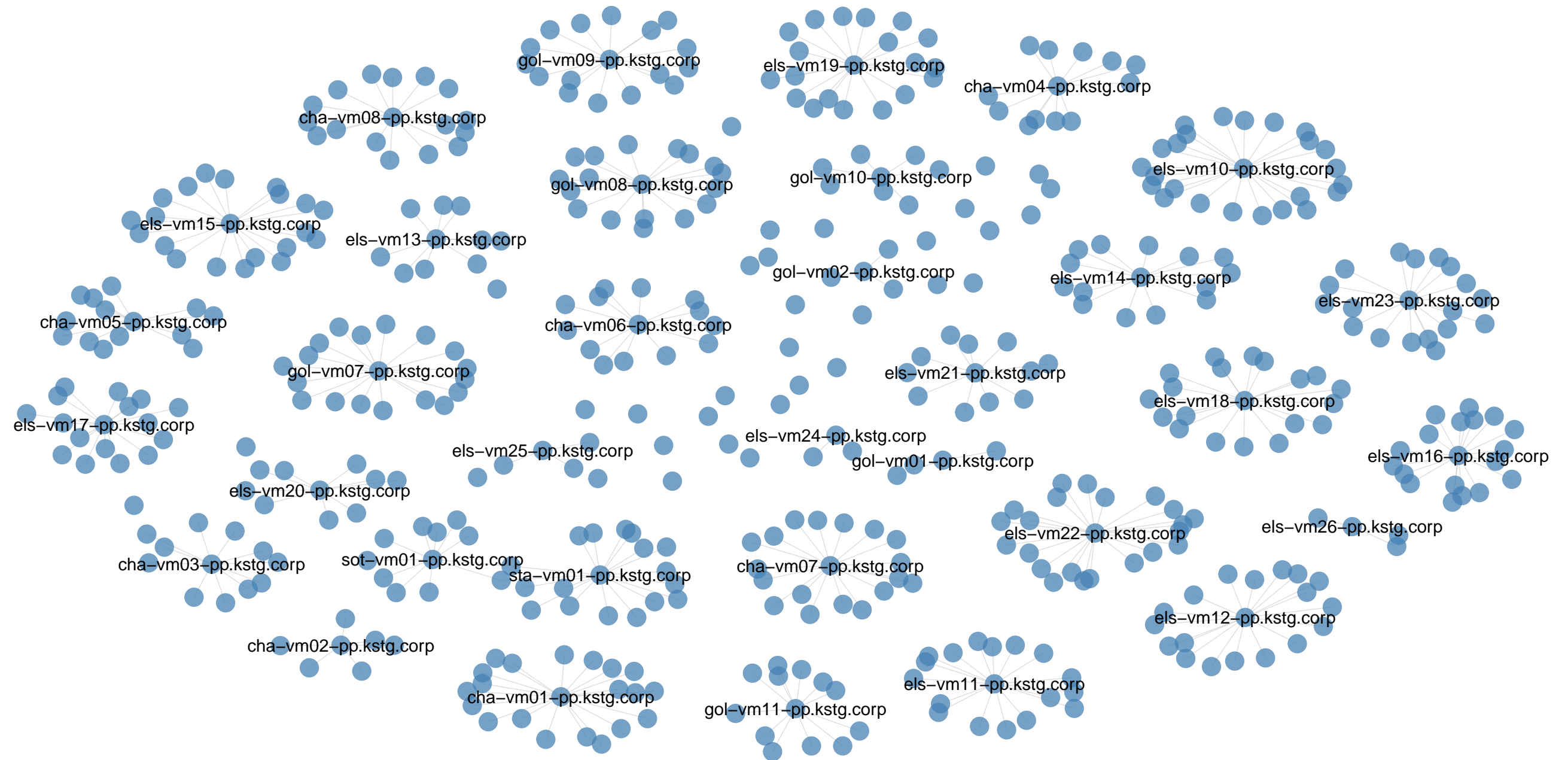


Cluster diagrams

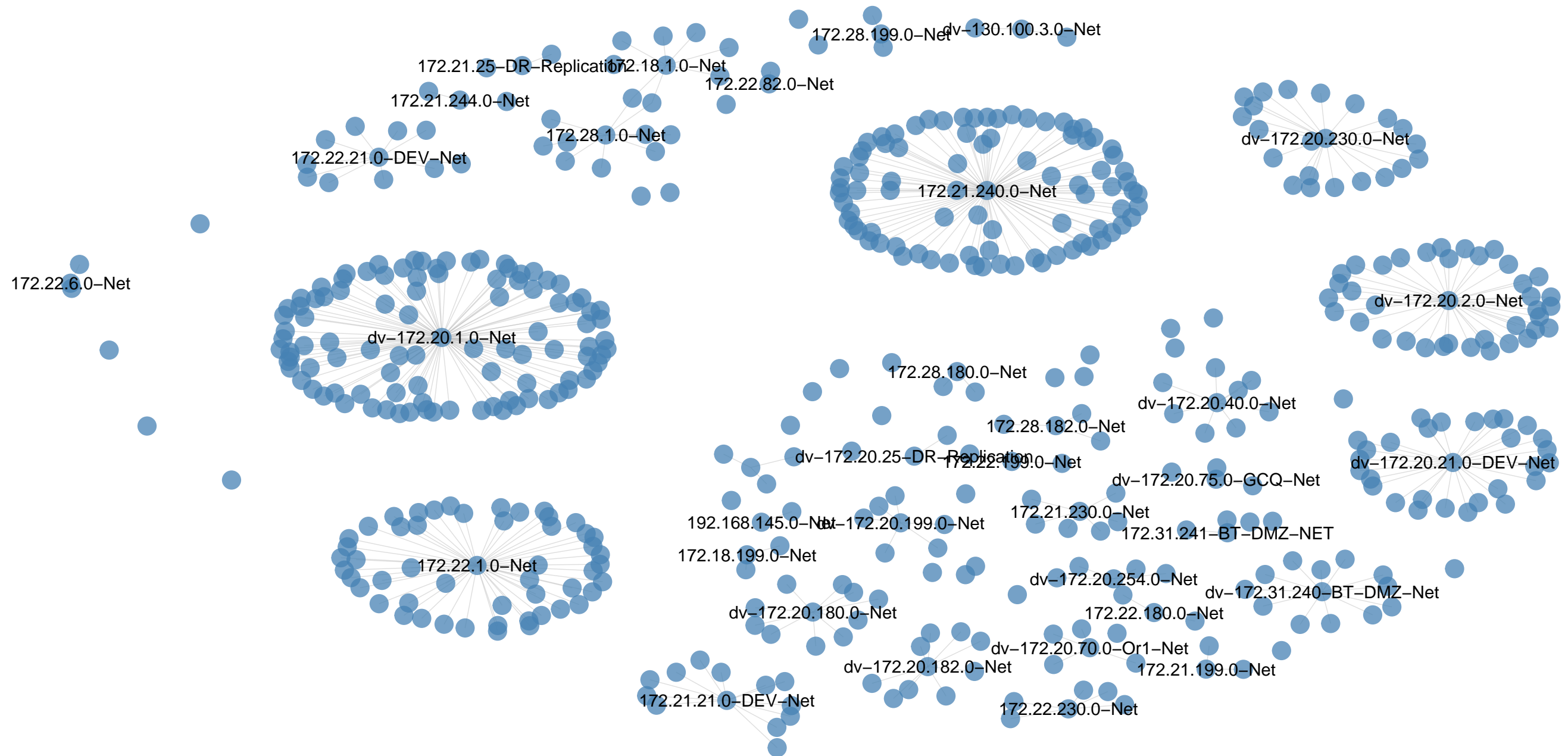
Cluster: VM's per Datacenter



Cluster: VM's per Host



Cluster: VM's per Network



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