



HPC AS A SERVICE

مرکز تحقیقات پردازش های فوق سریع

دانشگاه صنعتی امیرکبیر (پلی تکنیک تهران)



طیبه کیان پیشه

۲۳ آذر ماه ۱۳۹۵





ERAM – 2011

4600 CPU 2.3 GHz
9 TB RAM
160 TB DSIK

89 TFLOPS
Rank: 108

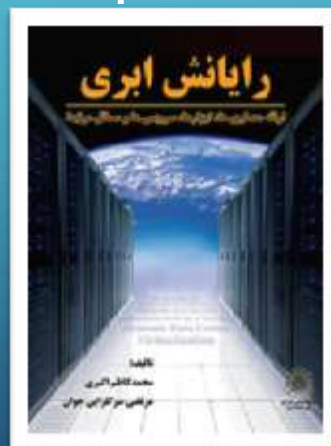
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HPC



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EUCALYPTUS



PERVASIVE
COMPUTING





HPaaS



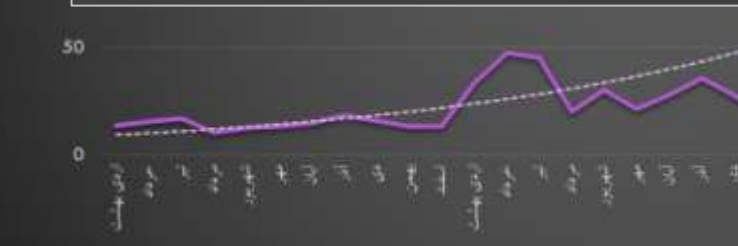
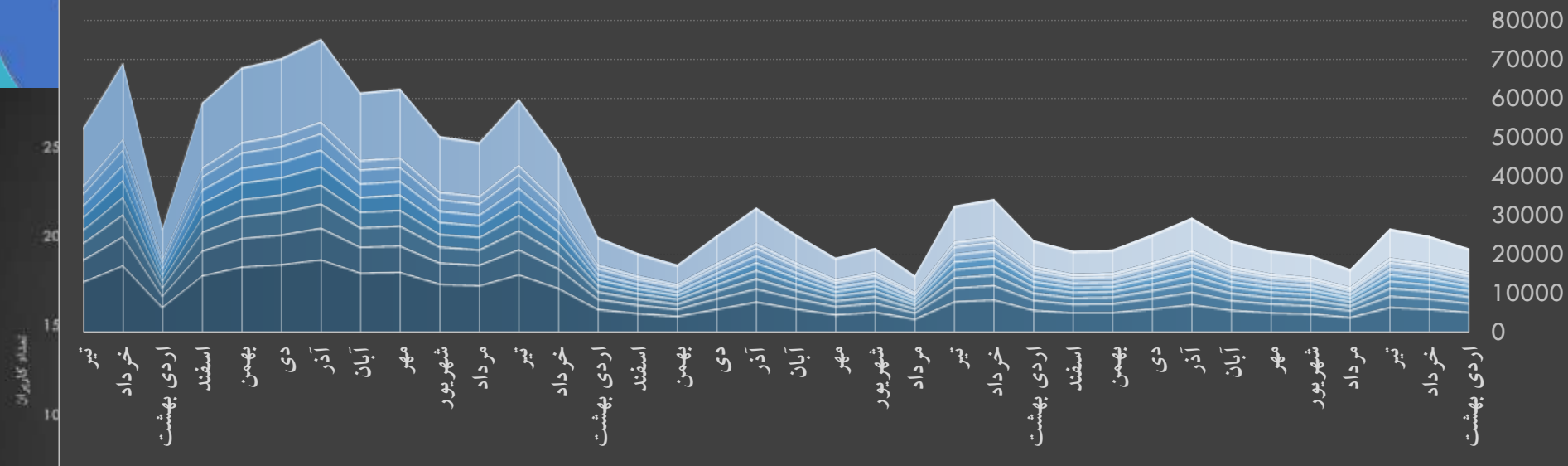
تعداد کاربران در بازه ۳ ماهه ارائه خدمات ایرانیانه ملی امیرکبیر در سال ۹۵ به تفکیک مقطع تحصیلی

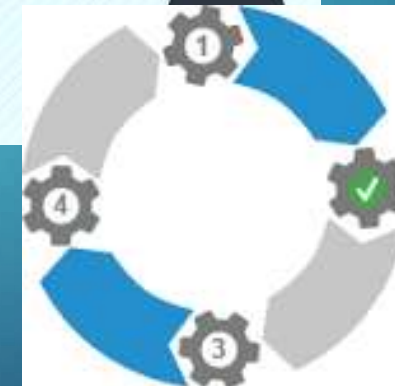
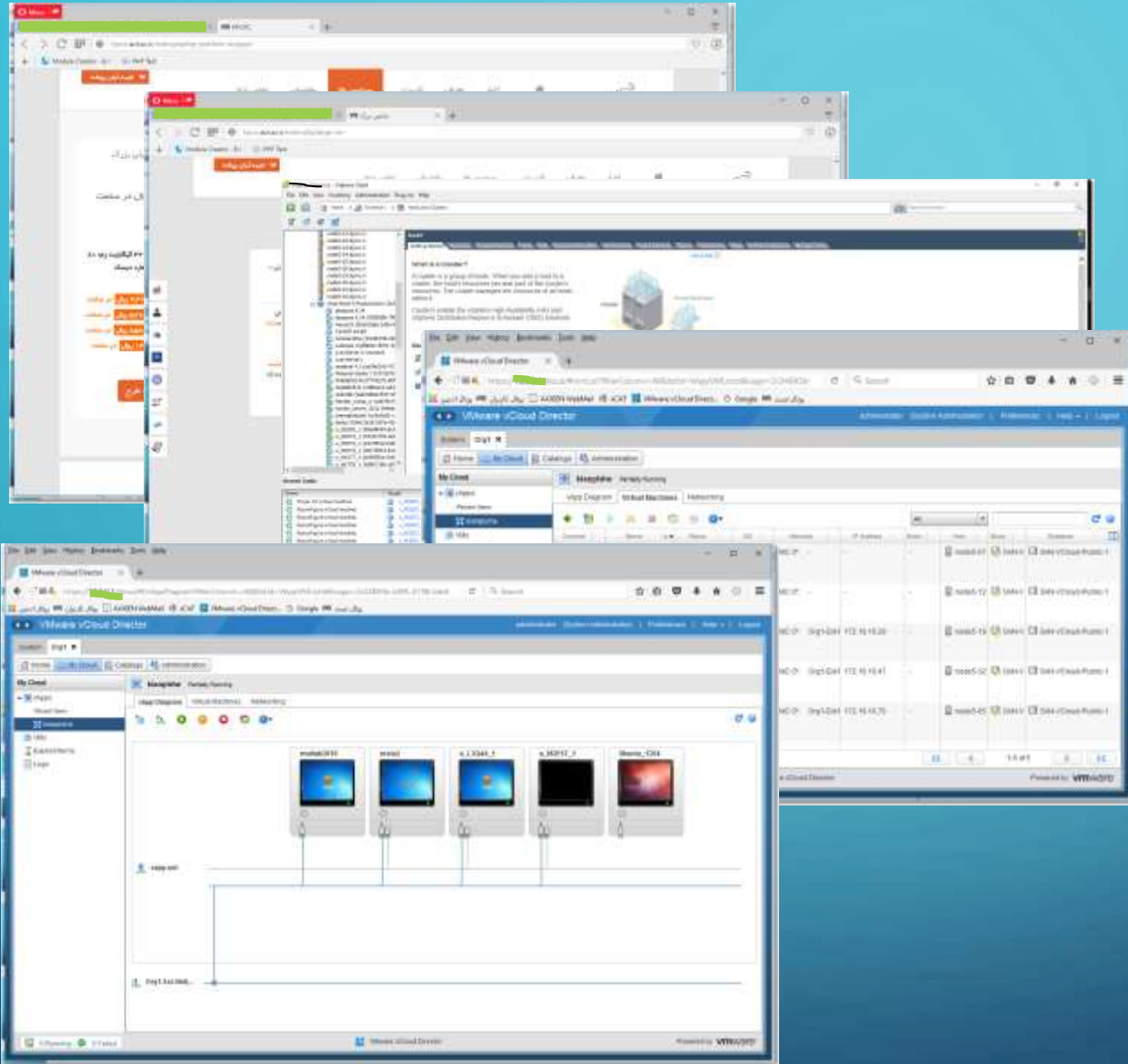
هزینه تعریف شده

سال ۹۰ سال ۹۱ سال ۹۲ سال ۹۳ سال ۹۴

سرور ساعت

سایر نفت، گاز و پتروشیمی مهندسی متالورژی مهندسی هوافضا مهندسی برق مهندسی پلیمر عمران مهندسی شیمی مکانیک





HPCaaS

- سامانه سرویس دهی ☐
- ایجاد و پیکربندی گره های سرور و کلاینت ☐
- زمانبندی و تخصیص ☐
- شبکه ارتباطی ☐
- سیستم ذخیره سازی ☐

Screenshot of the vSphere Client interface showing a list of virtual machines (VMs) and their status. The word "Scheduling" is written in large red text across the center of the VM list.

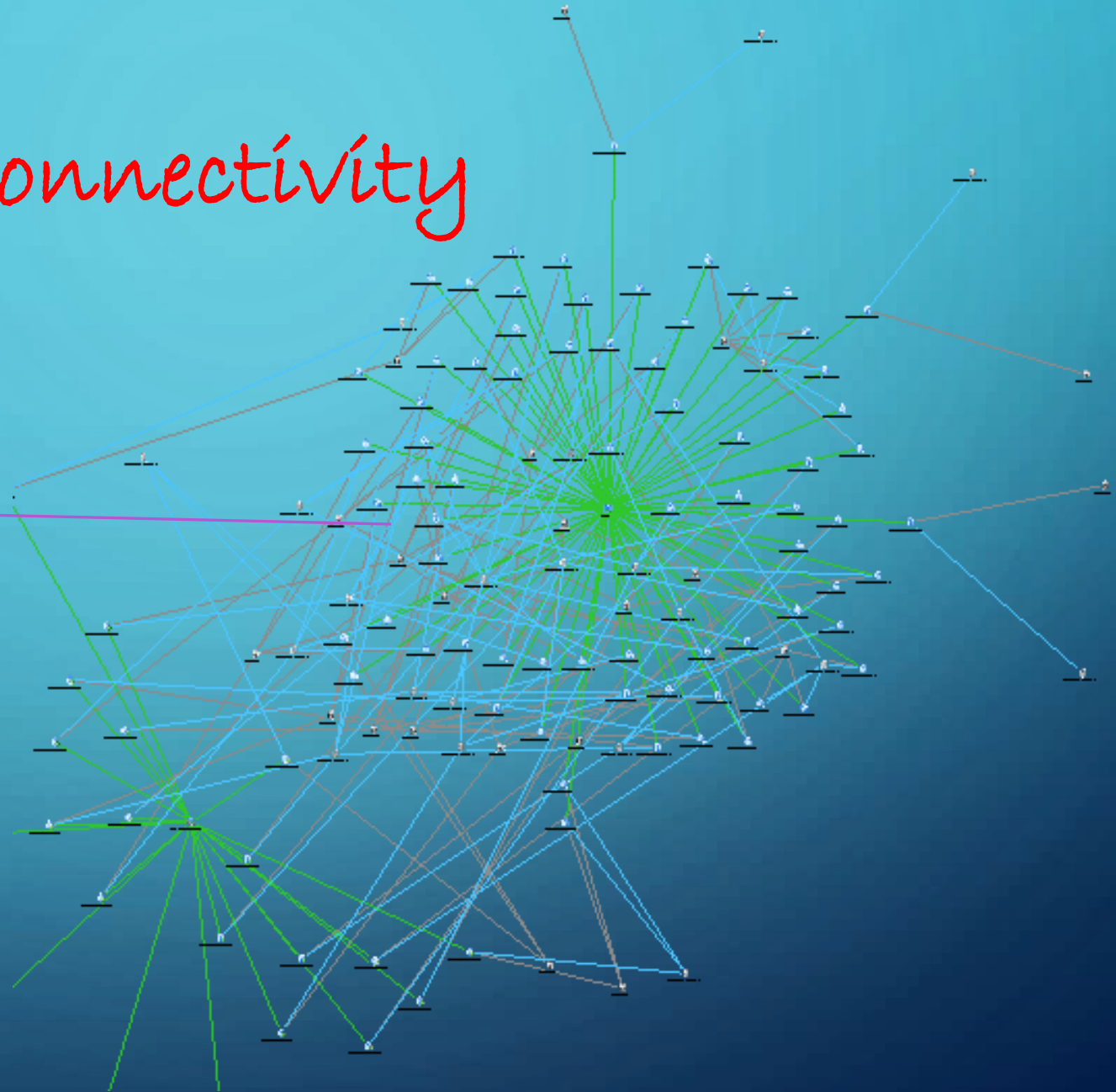
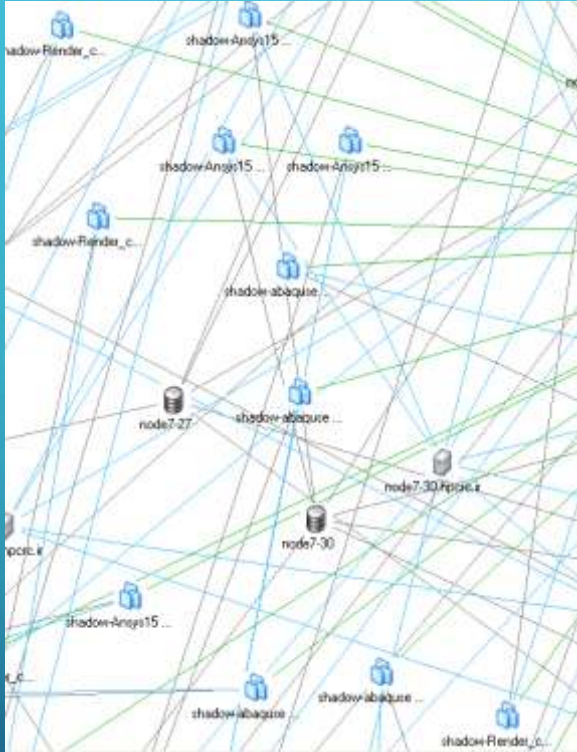
The VM list includes columns for Name, Status, Host, Provisioned Space, Used Space, Host CPU - MHz, Host Mem - MB, Guest Mem - %, Notes, Alarm Action, and a checkbox for "Consolidate and protect".

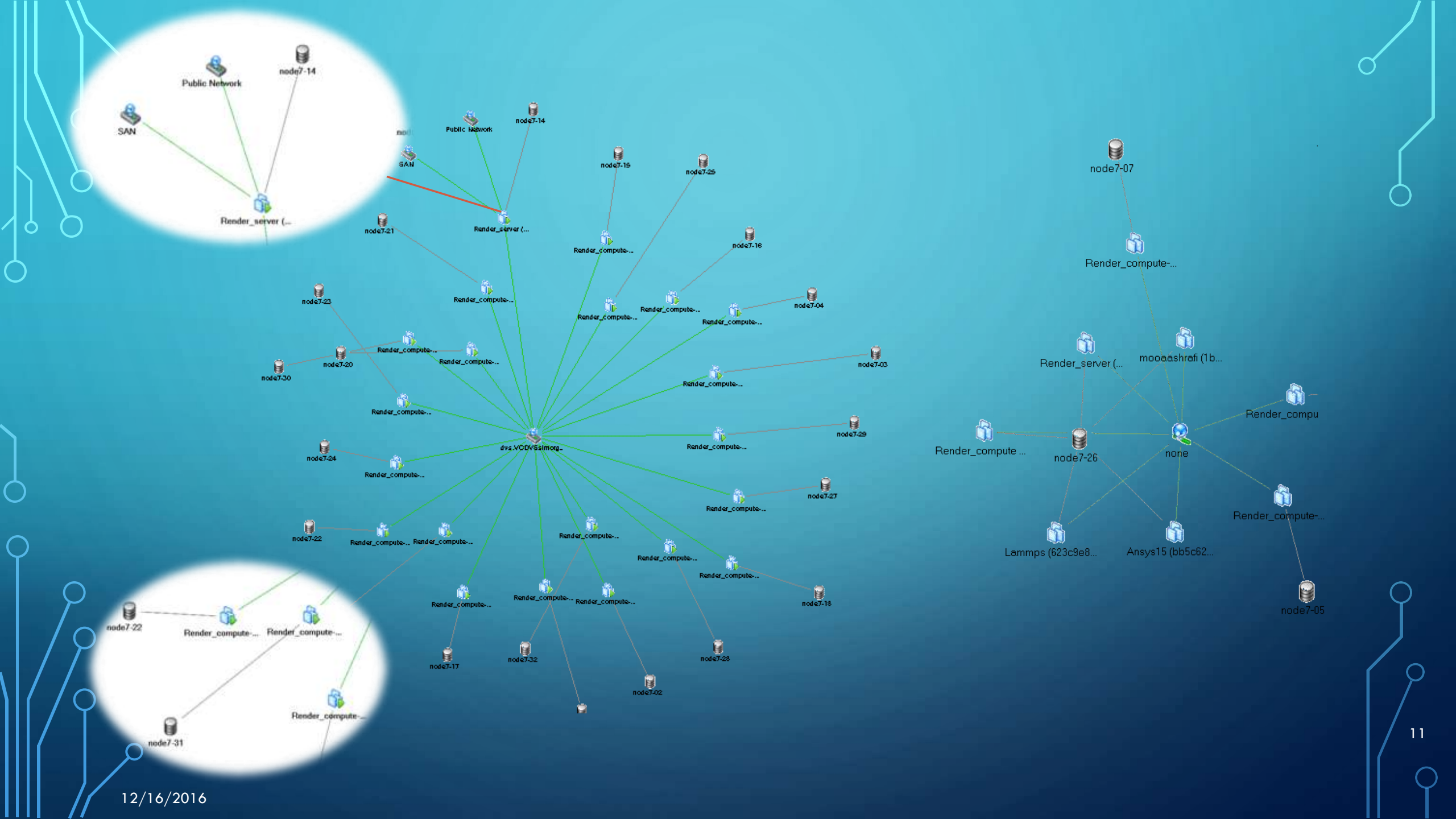
Name	Status	Host	Provisioned Space	Used Space	Host CPU - MHz	Host Mem - MB	Guest Mem - %	Notes	Alarm Action	Consolidate and protect
Render_compute-23 (40bb6d...	Powered Off	node1-57.apoc...	87.28 GB	71.23 GB	0	0	0		Disabled	
Render_compute-22 (3687759...	Powered Off	node1-65.apoc...	87.28 GB	71.15 GB	0	0	0		Disabled	
Render_compute-21 (34271a...	Powered Off	node1-66.apoc...	87.28 GB	71.18 GB	0	0	0		Disabled	
Render_compute-20 (3547826...	Powered On	node1-54.apoc...	81.57 GB	73.76 GB	3446	2891	19		Disabled	
Render_compute-19 (3714505...	Powered On	node1-43.apoc...	86.57 GB	75.94 GB	81	8124	0		Disabled	
Render_compute-18 (321447...	Powered On	node1-42.apoc...	86.57 GB	76.31 GB	2090	2900	0		Disabled	
Render_compute-17 (1a5939...	Powered On	node1-41.apoc...	86.57 GB	77.15 GB	81	8142	0		Disabled	
Render_compute-16 (995729...	Powered On	node1-38.apoc...	105.21 GB	129.70 GB	2090	2482	0		Disabled	
Render_compute-15 (31c3a4...	Powered On	node1-33.apoc...	103.21 GB	117.88 GB	1855	2900	0		Disabled	
Render_server (9958c37-d7a8...	Powered On	node1-18.apoc...	208.61 GB	141.87 GB	1761	4028	0		Disabled	
Render_compute-14 (903870...	Powered On	node1-19.apoc...	105.21 GB	135.79 GB	3388	2512	4		Disabled	
Render_compute-13 (3b0a90...	Powered On	node1-23.apoc...	103.21 GB	111.79 GB	3805	2408	7		Disabled	
Render_compute-12 (547d12...	Powered On	node1-31.apoc...	103.21 GB	111.12 GB	3870	2404	0		Disabled	
Render_compute-11 (a5a577...	Powered On	node1-30.apoc...	103.21 GB	114.62 GB	3922	2940	0		Disabled	
Render_compute-10 (48a532...	Powered On	node1-48.apoc...	103.21 GB	112.60 GB	3893	2798	0		Disabled	
Render_compute-09 (48a529...	Powered On	node1-23.apoc...	103.21 GB	113.63 GB	3833	2626	0		Disabled	
Render_compute-08 (320948...	Powered On	node1-24.apoc...	103.21 GB	111.49 GB	3895	2824	4		Disabled	
Render_compute-18 (3a36ab...	Powered On	node1-22.apoc...	103.21 GB	120.83 GB	3893	2894	0		Disabled	
mscasshell (11581efe-1b0c-4...	Powered Off	node1-26.apoc...	87.28 GB	35.78 GB	0	0	0		Disabled	
Larange (62c9e6b-6761-4481...	Powered Off	node1-34.apoc...	114.41 GB	3.79 GB	0	0	0		Disabled	
Render_compute (3b0a728-4...	Powered Off	node1-24.apoc...	103.08 GB	68.54 GB	0	0	0		Disabled	
Render_server (3a674071-c27f...	Powered Off	node1-26.apoc...	208.68 GB	68.88 GB	0	0	0		Disabled	
Anyx15 (2a5a204-2a1a-4f18...	Powered Off	node1-31.apoc...	128.76 GB	36.76 GB	0	0	0		Disabled	
Render_compute-11 (340181...	Powered On	node1-27.apoc...	103.21 GB	114.89 GB	3892	2882	0		Disabled	
Render_compute-12 (491896...	Powered On	node1-38.apoc...	105.21 GB	115.91 GB	1810	3741	4		Disabled	
Render_compute-13 (7647167...	Powered On	node1-33.apoc...	103.21 GB	119.00 GB	3892	2907	0		Disabled	
Render_compute-14 (3a0a1e...	Powered On	node1-31.apoc...	103.21 GB	117.00 GB	3892	2905	0		Disabled	
Render_compute-15 (3b0a40...	Powered On	node1-38.apoc...	103.21 GB	117.00 GB	3892	2905	0		Disabled	
Render_compute-16 (3a0a40...	Powered On	node1-33.apoc...	81.57 GB	77.32 GB	81	779	0		Disabled	

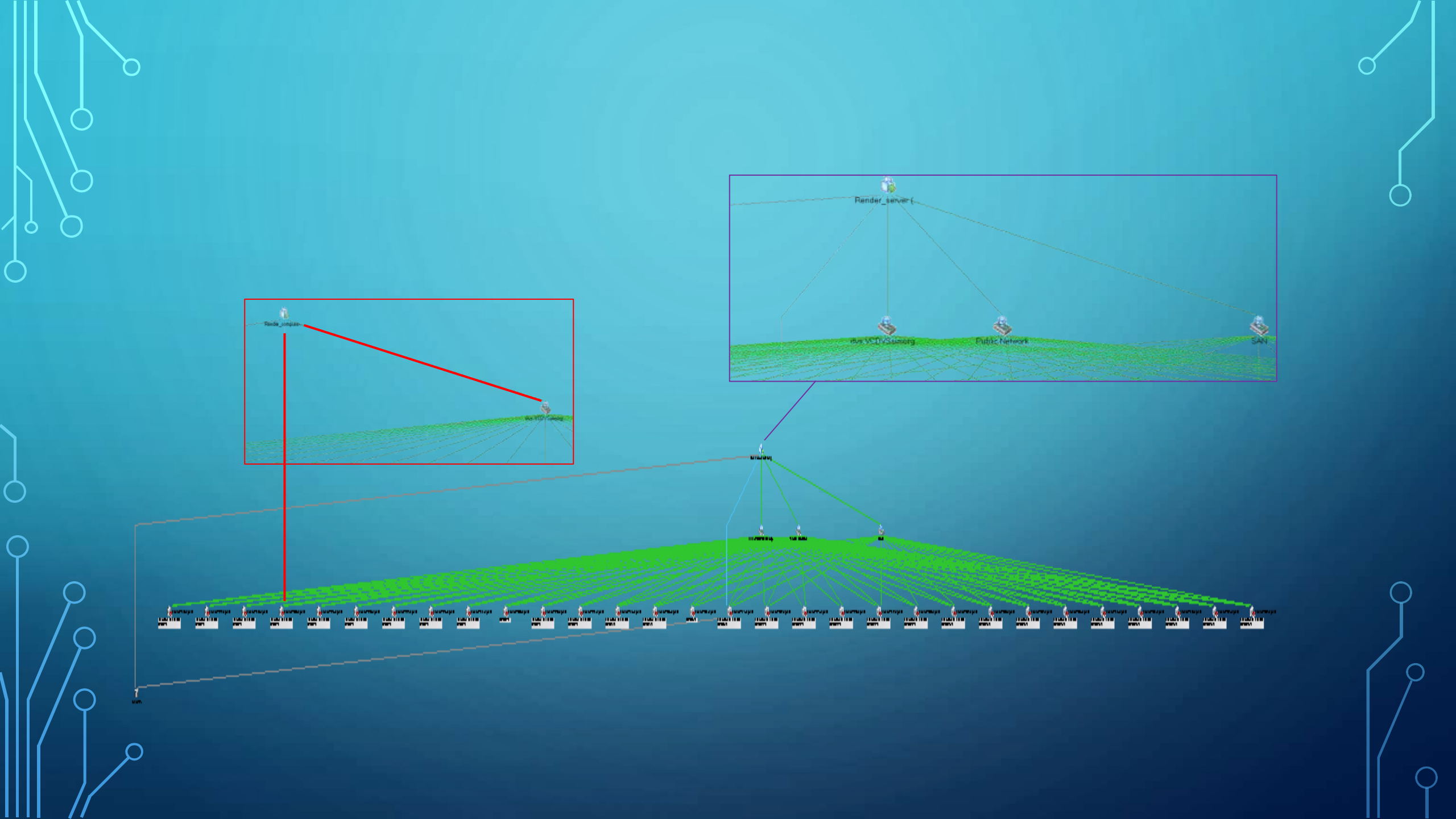
Recent Tasks

Name	Target	Status	Details	Initiated By	Requested Start	Start Time	Completed Time
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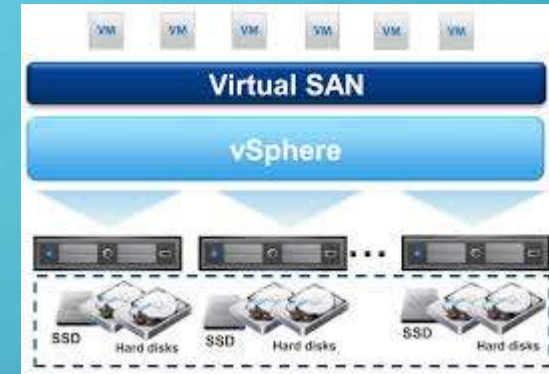
Connectivity







Storage



حوزه های پژوهشی





[HTTP://HPCRC.AUT.AC.IR](http://HPCRC.AUT.AC.IR)

+98 2164543131

HPCSTAFF@AUT.AC.IR

424 Hafez Ave, Tehran, Iran, 15875-4413