

SmarTone – milestone update

Cloud Strategy Enhancement – OneClick Portal + Ansible

Felix Tsang
17th Jan 2022

Project Highlight

Phase 1 (18.5MDs)

Task 1. Add window 2019 to Service Catalog

Enhance the playbook to handle Windows 2019 VM provisioning on **VCenter and Azure**,

SmarTone needs to provide the base post config of each AD Groups, and the agent scripts for Windows 2019 with agents ready

Task 2. Add Red Hat Linux 8 to Service Catalog

Enhance the playbook to handle RHEL 8 VM provisioning on **VCenter and Azure**,

SmarTone needs to provide the base post config of each AD Groups, and the agent scripts for RHEL 8 with agents ready

Task 3. Update Azure connection secret

Update the secret on ansible-playbook

Task 4. Quota Management

A batch job to sync the CPU , Memory , and Datastore metric from vcenter to portal virtual quota assignment table . As the quota assignment table is based on the AD group Name and Metric Mapping.

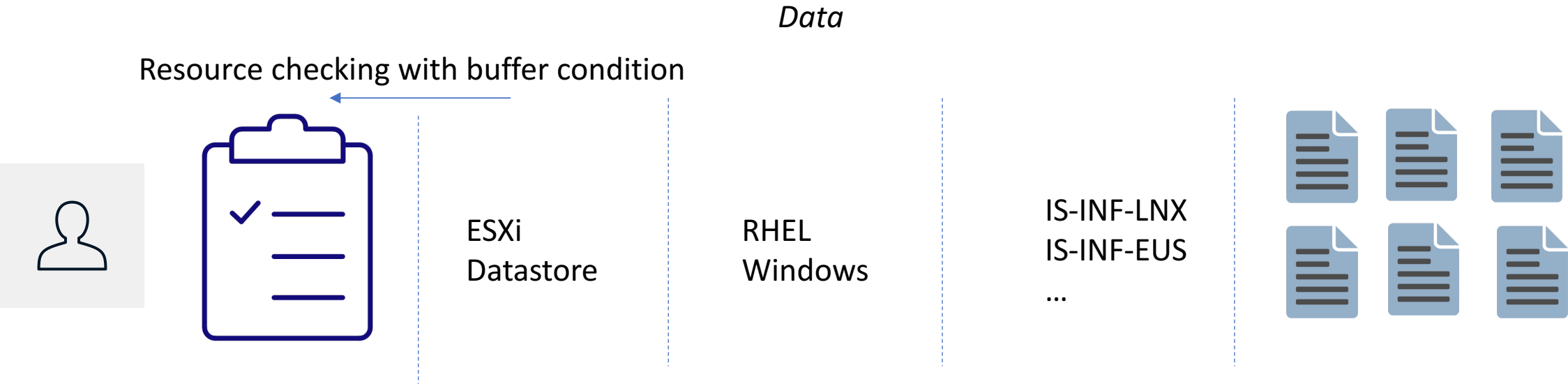
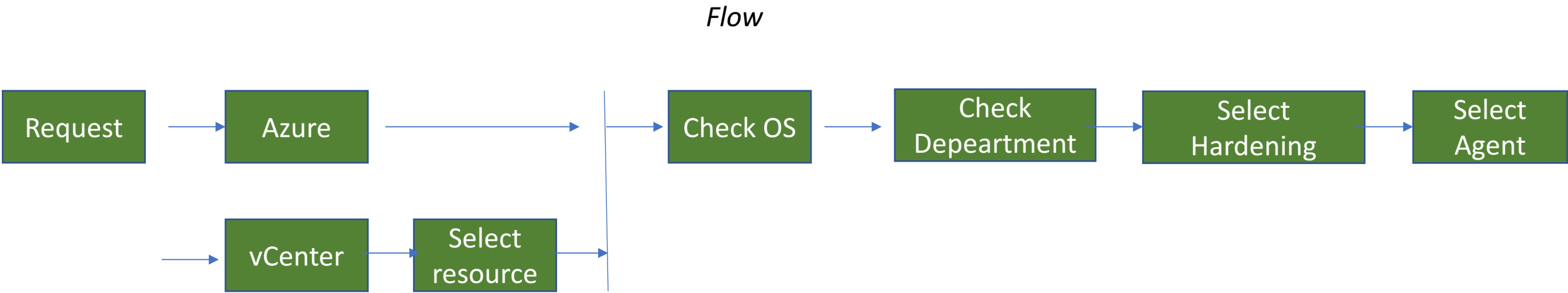
Buffer Parameter Controlled by the cloud portal.

SmarTone needs to provide the vcenter resource-tenant(AD groups, may more than 1 group for 1 cluster) mapping.

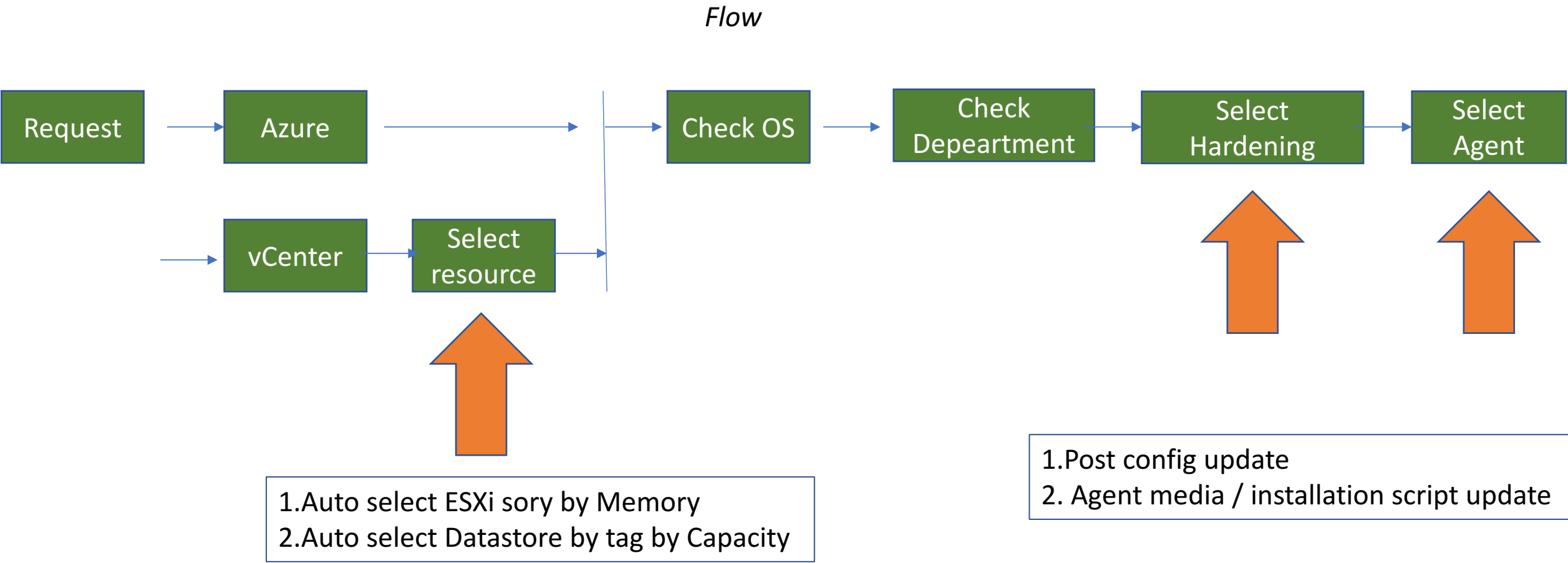
Task 5. Reduce the Complexity of the master table – on progress

Implement the flow as appendix

VM Provisioning Logic



VM Provisioning Logic



Resource Buffer Setting Table

- Department
- Cluster
- No. of ESXi
- No. of Datastore By Tag
- CPU Buffer %
- Ram Buffer %
- Datastore Buffer %

vCenter Resource Report

- Department
- Cluster
- vCenter
- Datacenter
- Datastores with tags and sort by capacity
- ESXis and sort by available memory

Check List



Smartone_ansible_checklist_2021

.XLSX



File Edit View Insert Format Data Tools Help Last edit was made 7 days ago by Yet Sing Lui



100% ▼



View only ▼

B7:B12	▼	<i>fx</i>	VCenter_RHEL7_VM_Provision
--------	---	-----------	----------------------------

	A	B	C	D	E	F	G	H	I
1	version	Job template name	system	playbook name	target	roles	agent name	status	
37	w2019	VCenter_Windows2019_VM_Provision	vCenter	vcenter_provision_windows2019.yml	localhost	vcenter_provision_windows2019		pass	
38					localhost	vcenter_tag		pass	
39					win vm	vcenter_osconfig_windows2019		pass	
40					win vm	vcenter_agent_install_windows2019	McAfee	pass	
41							Splunk	pass	
42							Tivoli	failed	1. tivoli agent failed (no response) 2. Asking for new version of agent to inst
43							Zenwork	pass	
44							Cybereason	pass	
45							fireeye	pass	
46						ovdp	pass		
47		vcenter_provision_post_tasks.yml	localhost	vcenter_provision_post_tasks		pass			
48	rhel8	VCenter_RHEL8_VM_Provision_POC	vCenter	vcenter_provision_linux8.yml	localhost	vcenter_provision_linux8		pass	
49					localhost	vcenter_tag		pass	
50					win dns server	vcenter_config_dns_linux		pass	
51					linux vm	vcenter_osconfig_linux8		pass	
52					linux vm	vcenter_agentinstall_linux8	ovdp	pass	
53							tivoli	pass	1. tivoli agent failed 2. agent version need to clarify
54							splunk	pass	
55							fireeye	pass	
56							cybereason	pass	
57						passwordsafe	pass		
58		ipa	pass						

Next ...

Split Master Table