Data Mobility

VSIP vFilers

Virtual Seed IP (VSIP) vFilers are required for large scale usage of vFilers where mobility between clusters is intended. The VSIP vFilers maintain route information for a given network segment for all vFilers using the same ipspace.

The following steps are required for the successful creation of a VSIP vFiler and associate resource pool. All VSIP vFiler name and network information is contained here: \\eg-nas-a02\netapp$\vfiler_ResourcePoolChecklist.xlsx

VLAN	Create or add the MultiStore vlan as needed.
	
	`vlan create corpvif0 2002`
	`vlan add corpvif0 2002`

ipspace	Create the appropriate ipspace using "corp" or "ecom" and the vlan id. `ipspace create corp-525 corpvif0-2002`
vFiler root vol	Create a 50MB root volume for the VSIP vFiler on any appropriate aggregate. Name the volume vol0_vsip_<vlan id> *e.g.:* vol0_vsip_2002. No special volume options are necessary. `vol create vol0_vsip_2002 aggr0 50m`
vFiler	Create the VSIP vFiler using the supplied name and network information. CIFS setup is not needed. It is mandatory that this command be issued on the CLI and not through RSH. `vfiler create eg-nascorp-e01-vsip -s corp-2002 -i 10.204.120.2 /vol/vol0_vsip_2002`
vFiler default gateway	Add the default gateway for the network segment the VSIP vFiler represents. `vfiler run eg-nascorp-e01-vsip route add default 10.204.121.254 1`
/etc/rc changes	1. vlan create/add statement 2. vFiler default gateway 3. ifconfig statement – adjust to include mtusize 9000 and correct partner interface name.
ifconfig running config	Add the mtusize and partner interface to the running configuration for the newly created ifconfig statement. `ifconfig corpvif0-2002 mtusize 9000 partner corpvif0-2002`
NMC Resource Pool	Create a resource pool for the physical filer using the appropriate DFM/PM server and settings. See the vFiler creation documentation for examples.