Roles in SEAPATH

Debian role

The scripts and binaries are installed in the /usr/local/bin directory. The override of systemd service are installed in /etc/systemd.

- Installs python3-setup-ovs (sources here) with its service votp-config_ovs and enables it.
- Installs vm_manager (sources here).
- Installs backup-restore (sources here).
- Installs script to get a console of a virtual machine.
- Configures vim.
- Installs a SEAPATH resource agent
- Configures syslog-ng. If specified, installs certificates, keys and CA.
- Configures the libvirtd and pacemaker services.
- Sets the UID and GID to 902 for the SNMP user.
- Configures SNMP daemon and service. Installs scripts to get back the machine's status.
- Remove the virtu user if needed.
- Installs sudo's fragment for the SNMP user.
- Configures the systemd's journal.
- Configures an admin user with its group and sudo's fragment.
- Adds a live-migration user.
- Adds panicreboot and bridge_nf_call rules to the kernel.
- Adds br_netfilter and raid6_pq modules to the kernel.
- Configures AppArmor.
- Configures the network with systemd.
- Configures the environment and the hosts.
- Configures the hddtemp.
- Configures the package manager.
- Configures libvirtd.
- Configures GRUB.

Hypervisor role

- Enables the docker service.
- Adds vhost_vsock module to the kernel.
- Installs the votp-taskset with its service.
- Adds schedrt rules to the kernel.
- Adds modules to the kernel specified by sriov_driver.
- Adds sriov rule to the kernel.
- Configures GRUB.
- Configures tuned.
- Configures systemd.
- Configures slices of systemd.
- Configures ovs-vswitchd service.
- Installs ptp_status with its service.

Debian-hardening role

- Create ansible and privileged group.
- Configures parameters of the kernel.
- Updates the coredump, kexec and binfmt_misc rules to the kernel.
- Installs sysctl-hardening and network-hardening rules to the kernel.
- Adds nf_conntrack module to the kernel.
- Installs random-root-passwd service and enable it.
- Installs mktempdir and terminal_idle profile for a shell session.
- Configures the SSH server.
- Installs ANS1 and ceph-oxid-smartctl rules to sudo.
- Adds users to priviliged groups.
- Configures sudo to be run only users members of privileged group.
- Configures login.defs.
- Configures PAM.
- Configures securetty.
- Configures some services specified in hardened_services.
- Uninstalls useless packages.
- Disable useless services.
- Sets a password to GRUB.
- Installs audit configuration.

Corosync role
• Regenerates the authentication key.
• Synchronizes the key between the hosts.
• Generates the configuration of corosync.