Ansible Oracle RAC Roles and Tasks (208)

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Bootstrap role (22)

+Fail if rootpasswd not specified
+Fail if nameservers not specified
+Set fact rac_hosts
+Set fact first_host
+Create ssh key on localhost
+Clean up linux_ssh_passwordless.exp on local
+Template out linux_ssh_passwordless.exp
+Run linux_ssh_passwordless.exp
+Add nameserver entries to /etc/resolv.conf
+Add search entry to /etc/resolv.conf
+Add options entry to /etc/resolv.conf
+Remove domain entry in /etc/resolv.conf
+Add name ordering resolution to /etc/netsvc.conf
+Fail if download_dir not specified
+Fail if target_dir not specified
+Fail if rpm_src not specified
+Fail if yum_src not specified
+Check for existence of yum
+Bootstrap yum
+Check for existence of python
+Bootstrap python
+End of boostrap role

yum_install.yml (22)

+Fail if download_dir not specified
+Fail if target_dir not specified
+Fail if rpm_src not specified
+Fail if yum_src not specified
+Set fact rac_hosts
+Set fact first_host
+Check for rpm_src file on localhost
+Download latest rpm (installp) fileset
+Check for yum_src file on localhost
+Download yum bundle file
+Check for script file on localhost
+Copy the installer script file
+Check for target directory
+Check for target yum bundle
+Create target filesystem for image transfer
+Mount target filesystem
+Transfer install images
+Restore yum bundle content
+Remove temporary storage space
+Print status

python_install.yml (5)

+Check current /var size
+Expand /var target directory to 500M
+Check current /opt size
+Expand /opt target directory to 750M
+Install/ Update python and requisite rpms

Preconfig role (22)

+Run initialization tasks (init.yml)
+Copy lsconf.pl
+Check for miniumum CPU cores and memory
+Copy oslevel_check_aix7.pl
+Check for minimum AIX level
+Copy oslevel_consistency_check.pl
+Run oslevel_consistency_check.pl
+Change timezone
+Check for exclusiveness of AIX timeserver and NTP
+Copy aix_timeserver.sh
+Add AIX timeserver and run setclock
+Copy configure_ntp.sh
+Configure NTP
+Copy disable_ntp.sh
+Disable NTP service upon reboot and stop the xntp service
+Check NFS export for lpp source is valid
+Configure NFS mount for lpp source
+Check lpp source mount point exists
+NFS mount lpp source
+Install additional AIX filesets
+Clear errpt logs
+End of preconfig role

init.yml (17)

+Set fact init_done
+Set fact rac_hosts
+Set fact rac_nodes
+Set fact first_host
+Set fact num_nodes
+Set up ssh root connect string
+Set fact scripts dir
+Set fact saved dir
+Set fact done dir
+Set fact files dir
+Create work dir
+Create scripts dir
+Create saved dir
+Create done dir
+Create files dir
+Template out helper.sh
+Find AIX Version, Release, and TL

Config role (69)

+Run initialization tasks (init.yml)
+Fail if config.fs.ofa not specified
+Expand /opt target directory to 750M
+Install Linux tools
+Set up groups for Oracle and Grid users
+ Create users
+Change user capabilities
+Change non-root user passwords
+Don't check to change password
+Copy user_limits.pl
+Run user_limits.pl
+Create ssh key for users
+Set fact ora_pub_ips
+Fail if ora_pub_ips not valid
+Set up ssh passwordless for root and Grid users
+Copy update_etchosts.pl
+Update /etc/hosts
+Run cfgmgr
+Copy mktcpip.sh
+Run mktcpip.sh
+Copy net_connectivity.pl
+Run net_connectivity.pl
+Copy uplink_poll.sh
+Set virtual Ethernet uplink poll
+Copy add_dshenv.sh
+Run add_dshenv.sh
+Copy vncpasswd.sh
+Template out vnc_user_env.sh
+Run vnc_user_env.sh
+Set fact rename_setup_dsks_done
+Set fact shared_asmdisk_nums
+Template out dsks_uids.sh
+Run dsks_uids.sh
+Clear dsks_xcheck.pl on local
+Template out dsks_xcheck.pl to local
+Run dsks_xcheck.pl on local
+Copy dg_dsks_validity.sh
+Run dg_dsks_validity.sh
+Template out rename_setup_dsks.sh
+Run rename_setup_dsks.sh
+Create rename_setup_dsks_done
+Copy vg_dsks_validity.pl
+Run vg_dsks_validity.pl
+Create volume groups
+Create Oracle FS
+Configure Oracle FS on rootvg
+Mount Oracle FS
+Change ownership of Oracle FS to oracle user/group
+Copy grow_fs.pl
+Run grow_fs.pl
+Copy add_paging_space.sh
+Run add_paging_space.sh
+Set fact reboot_required initialization
+Copy tunables.sh
+Run tunables.sh
+Set reboot_required after tunables.sh
+Enable IOCP (I/O Completion Port)
+Set reboot_required after enable IOCP
+Create Berkeley Packet Filter devices
+Copy pamconf.sh
+Update /etc/pam.conf
+Copy syslog.sh
+Run syslog.sh
+Reboot to activate tunables/settings
+End of config role

Install role (51)

+Run initialization tasks (init.yml)
+Fail if compiler nfs_mount not valid
+Check NFS export for compiler is valid
+Configure NFS mount for compiler
+NFS mount compiler
+Install xlC compiler base fileset
+Install compiler TL fileset
+Install compiler SP fileset
+Install XLC V13.1 Fixpack 11
+Copy out verify_xlc.sh
+Run verify_xlc.sh
+Copy oslevel_update.sh
+Run oslevel_update.sh
+Fail if Oracle zips nfs_mount not valid
+Check NFS export for Oracle zips is valid
+Configure NFS mount for Oracle zip files
+Check NFS mount point for oracle zips exists
+NFS mount Oracle zip files
+Template out prep_grid_install.sh
+Run prep_grid_install.sh
+Template out gen_grid_rsp.pl
+Run gen_grid_rsp.pl
+Template out myruncluvfy.sh
+Run myruncluvfy.sh
+Template out run_rootpre.sh
+Run run_rootpre.sh
+Copy out modify_nameserver_entry.sh
+Run modify_nameserver_entry.sh - comment out entry(ies)
+Template out grid_install.sh
+Run grid_install.sh
+Copy out check_crs_services.pl
+Run check_crs_services.pl
+Copy out check_asm_instances.pl
+Run check_asm_instances.pl
+Copy out create_asm_diskgroup.sh
+Run create_asm_diskgroup.sh
+Template out create_acfs.sh
+Run create_acfs.sh
+Fail if acfs_script.sh doesn't exist
+Run acfs_script.sh
+Copy out verify_acfs_mounted.sh
+Run verify_acfs_mounted.sh
+Template out prep_db_install.sh
+Run prep_db_install.sh
+Template out gen_db_rsp.pl
+Run gen_db_rsp.pl
+Template out db_install.sh
+Run db_install.sh
+Run modify_nameserver_entry.sh - uncomment out entry(ies)
+End of install role