**Purpose of document:**

* List Oracle and MySQL Snapshot and Snapvault naming conventions

**ORACLE:**

**Oracle data Volume name:**

*Example:*

*u0089747@c592xgb-dfmf1:~> ssh eg-nasclnt-e11 vfiler run clnt-corp-e0678 vol status*

*===== clnt-corp-e0678*

*Volume State Status Options*

*thomcorp\_payroll\_hrq\_s01ora1\_snap online raid\_dp, flex nosnap=on, create\_ucode=on, convert\_ucode=on,*

*64-bit guarantee=none*

*u0089747@c592xgb-dfmf1:~>*

**Snapvault schedule:**

* A “create” schedule exists on the source filer, with a “7@-“ time variable which allows the DBA’s to take the snapshots at a time of their choosing.
* Syntax of snapvault schedule = [VolName SnapshotName 7@-]
* Syntax of snapshot name = [sv\_VolumeName\_QtreeName]

*Example:*

*u0089747@cmp111xjq:~> ssh eg-nasclnt-e11 vfiler run clnt-corp-e0678 snapvault snap sched*

*create thomcorp\_payroll\_hrq\_s01ora1\_snap sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1 7@-*

*u0089747@cmp111xjq:~>*

* There must be a “create” schedule on the source filer, and there must be a “create” schedule and a “transfer” schedule on the Backup filer. The “transfer” schedule determines at what time the snapshot is snapvaulted from the primary to the backup filer.
* Fyi, “14@sun-sat@2” is an example of a non-open ended schedule. 14 days of snapshots would be retained. Snapshots would be taken every day at 2am.

**Snapvault status:**

* The “snapvault status” command displays:
* Primary vfiler volume name
* Backup vfiler volume name
* Time of last snapvault (since snapvaults are taken at least daily, this number should always be <24:00:00)
* Syntax of backup filer volume name = [sv\_DaysOfRetention\_PrimaryVolumeName]

*Example:*

*u0089747@cmp111xjq:~> ssh eg-nasclnt-e11 vfiler run clnt-corp-e0678 snapvault status*

*clnt-corp-e0678:/vol/thomcorp\_payroll\_hrq\_s01ora1\_snap cis-cs-bkp-f03:/vol/sv\_14\_thomcorp\_payroll\_hrq\_s01ora1\_snap/1 Source 20:16:43 Idle*

*u0089747@cmp111xjq:~>*

**Snapshot names:**

* The “snap list” command displays the snapshots on the primary filer.
* Syntax of snapshot name = [sv\_volumeName\_qtreeName]

*Example:*

*u0089747@cmp111xjq:~> ssh eg-nasclnt-e11 vfiler run clnt-corp-e0678 snap list |grep thomcorp\_payroll\_hrq\_s01ora1\_snap*

*Volume thomcorp\_payroll\_hrq\_s01ora1\_snap*

*0% ( 0%) 0% ( 0%) May 09 07:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.0 (acs)*

*0% ( 0%) 0% ( 0%) May 08 19:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.1 (snapvault)*

*0% ( 0%) 0% ( 0%) May 08 07:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.2*

*0% ( 0%) 0% ( 0%) May 07 19:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.3*

*0% ( 0%) 0% ( 0%) May 07 07:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.4*

*0% ( 0%) 0% ( 0%) May 06 19:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.5*

*0% ( 0%) 0% ( 0%) May 06 07:40 sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1.6*

*u0089747@cmp111xjq:~>*

**Transfer schedule:**

* The transfer schedule of the snapvault from the primary to backup filer typically takes place greater than one hour after the time the DBA takes their snapshot. In the example below that snapvault takes place at 1am.
* Also in the example below, 14 days of snapshots are retained on the backup filer.

*Example:*

*u0089747@cmp111xjq:~> ssh eg-nascorpbkp-f03 vfiler run cis-cs-bkp-f03 snapvault snap sched*

*xfer sv\_14\_thomcorp\_payroll\_hrq\_s01ora1\_snap sv\_thomcorp\_payroll\_hrq\_s01ora1\_snap\_s01oradata1 14@sun-sat@1 preserve=default,warn=0*

*u0089747@cmp111xjq:~>*

**MYSQL:**

**MySQL data Volume name:**

*Example:*

*u0089747@newnan:/> ssh eg-nasecom-f04 vfiler run prod-ecom-f0199 vol status*

*===== prod-ecom-f0199*

*Volume State Status Options*

*at\_convene1p\_s01mysql1\_snap online raid\_dp, flex nosnap=on, create\_ucode=on, convert\_ucode=on,*

*64-bit guarantee=none*

*u0089747@newnan:/>*

**Snapvault schedule:**

* A “create” schedule exists on the source filer, with a “7@-“ time variable which allows the DBA’s to take the snapshots at a time of their choosing.
* Syntax of snapvault schedule = [VolName SnapshotName 7@-]
* Syntax of snapshot name = [sv\_VolumeName\_QtreeName]

*Example:*

*u0089747@newnan:/> ssh eg-nasecom-f04 vfiler run prod-ecom-f0199 snapvault snap sched create at\_convene1p\_s01mysql1\_snap sv\_at\_convene1p\_s01mysql1\_snap 7@sun-sat@1*

*u0089747@newnan:/>*

* There must be a “create” schedule on the source filer, and there must be a “create” schedule and a “transfer” schedule on the Backup filer. The “transfer” schedule determines at what time the snapshot is snapvaulted from the primary to the backup filer.
* Fyi, “14@sun-sat@2” is an example of a non-open ended schedule. 14 days of snapshots would be retained. Snapshots would be taken every day at 2am.

**Snapvault status:**

* The “snapvault status” command displays:
* Primary vfiler volume name
* Backup vfiler volume name
* Time of last snapvault (since snapvaults are taken at least daily, this number should always be <24:00:00)
* Syntax of backup filer volume name = [sv\_DaysOfRetention\_PrimaryVolumeName]

*Example:*

*u0089747@newnan:/> ssh eg-nasecom-f04 vfiler run prod-ecom-f0199 snapvault status*

*prod-ecom-f0199:/vol/at\_convene1p\_s01mysql1\_snap cps-cs-bkp-e05:/vol/sv\_07\_cps\_grp01/at\_convene1p\_s01mysql1\_snap Source 14:44:06 Idle*

*u0089747@newnan:/>*

**Snapshot names:**

* The “snap list” command displays the snapshots on the primary filer.
* Syntax of snapshot name = [sv\_volumeName\_qtreeName]

*Example:*

*u0089747@newnan:/> ssh eg-nasecom-f04 vfiler run prod-ecom-f0199 snap list*

*Volume at\_convene1p\_s01mysql1\_snap*

*2% ( 2%) 0% ( 0%) May 12 01:00 sv\_at\_convene1p\_s01mysql1\_snap.0 (snapvault,acs)*

*4% ( 2%) 0% ( 0%) May 11 01:00 sv\_at\_convene1p\_s01mysql1\_snap.1*

*6% ( 2%) 0% ( 0%) May 10 01:00 sv\_at\_convene1p\_s01mysql1\_snap.2*

*8% ( 3%) 0% ( 0%) May 09 01:00 sv\_at\_convene1p\_s01mysql1\_snap.3*

*10% ( 3%) 0% ( 0%) May 08 01:00 sv\_at\_convene1p\_s01mysql1\_snap.4*

*12% ( 3%) 0% ( 0%) May 07 01:00 sv\_at\_convene1p\_s01mysql1\_snap.5*

*14% ( 2%) 0% ( 0%) May 06 01:00 sv\_at\_convene1p\_s01mysql1\_snap.6*

*u0089747@newnan:/>*

**Transfer schedule:**

* The transfer schedule of the snapvault from the primary to backup filer typically takes place greater than one hour after the time the DBA takes their snapshot. In the example below that snapvault takes place at 1am.
* Also in the example below, 14 days of snapshots are retained on the backup filer.

*Example:*

*u0089747@newnan:/> ssh eg-nascorpbkp-e05 vfiler run cps-cs-bkp-e05 snapvault snap sched |grep at\_convene1p\_s01mysql1\_snap*

*xfer sv\_07\_cps\_grp01 sv\_at\_convene1p\_s01mysql1\_snap 7@sun-sat@2 preserve=default,warn=0*

*u0089747@newnan:/>*