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**7-MODE NAMING STANDARD**

**Synopsis:** This document details about the naming standards for legacy 7-Mode filers.

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**Document Version:** V0.6

**Date:** 24th April 2017

**Document Status:** Released

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## Introduction

**This document provides details of the current naming standard employed within TR for 7-Mode filers.**

## Document Scope

Scope of the document is legacy 7-Mode naming standards.

## References

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Document** | **Version** | **Date** | **Author** |
|  |  |  |  |  |

## Change History

|  |  |  |  |
| --- | --- | --- | --- |
| **Ver** | **Date** | **Author** | **Key Changes** |
| 0.1 | 14-April-2015 | Ian Daniel | Initial version |
| 0.2 | 07-October-2015 | Ian Daniel | Updated volume naming |
| 0.3 | 08-October-2015 | Ian Daniel | Modified volume examples |
| 0.4 | 13-October-2015 | Ian Daniel | Updated with input from Delivery |
| 0.5 | 15-October-2015 | Ian Daniel | Updated and released |
| 0.6 | 24-April-2017 | David Ng | Updated vfiler name standard |

## 

## Distribution List

|  |  |
| --- | --- |
| **Name** | **Role** |
|  |  |

## 

## Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
|  |  |

# Naming Overview

This document is intended to provide a reference for naming within the 7-Mode estate. There were two distinct naming conventions and this is an attempt to present a single unified standard to be used on all 7-Mode systems.

This standard is for legacy 7-Mode only and should not be used for cDOT deployments. There is a completely new naming standard for cDOT.

# Naming Standard

## Site Names

### Overview

Each site has its own unique ID and using that we can identify and differentiate the site the controller is located on. We then use a combination of tier and function to designate the controller names.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sites/location** | **Site ID** |  | **Technology Identification/Tier** | **ID** |
| E/F/H-site (EAGAN) | E |  | Backup Filer | bkp |
| F |  | High Tier | ecom/corp |
| H |  | Low Tier | lowep/lowcp |
| LN (DTC) | D |  | Application | app |
| HZ (Hazelwood) | A |  | Cheap and Deep | cnd or cd\_ |
| LM (Limerick) | M |  |  |  |
| PL (Plano) | P |  |  |  |
| SN (Singapore) | S |  |  |  |
|  |  |  |
| FR (Fareham) | U |  |  |  |
| HY (Hyderabad) | Y |  |  |  |
| BG (Bangalore) | B |  |  |  |
| HN (Hong Kong) | K |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

### Additional References

Datacenter Site Identifiers are a single alphabet character that corresponds to a physical city/datacenter. This can be found on Sharepoint for anyone unfamiliar with the SiteID relationships:

<https://theshare.thomsonreuters.com/sites/ie/storage/Lists/DC%20Addresses%20and%20Contacts/Main.aspx>

**Note**

There may be times where a site does not have the required SiteID setup. If this is the case please try and get one assigned.

## Controller Naming

### Overview

The Basic Template to derive the names is shown below and is based on the site naming above:

<DataCenter= 2 Characters>-<NAS = 3 Charaters><TIER=ECOM/LOW><3 Characters = FUNCTION>-<1 Character = SITE>><2 Characters = NUMBER>

### Naming Standard

All the controller names will end with site ID , the reason for this is even though currently there may not be any differences there may be in future if the DC expands. It is then easy to identify them using the unique ID. Some examples are shown below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Site Name** | **Controller Name** | |  |  |
| **Sites/location** | **CPS** | **CIS** | **CPS Backup** | **CIS Backup** |
| Eagan | eg-nasecom-e01  eg-naslowep-e01 |  | eg-nasecombkp-e01 |  |
| DTC | ln-nasecom-d01  ln-naslowep-d01 |  | ln-nasecombkp-d01 |  |
| Fareham | fr-nasecom-u01  fr-naslowep-u01 |  | fr-nasecombkp-u01 |  |
| Singapore | sn-nasecom-s01  sn-naslowep-s01 |  | sn-nasecombkp-s01 |  |
| Hazelwood | hz-nasecom-a01  hz-naslowep-a01 |  | hz-nasecombkp-a01 |  |
| Limerick | lm-nasecom-m01  lm-naslowep-m01 |  | lm-nasecombkp-m01 |  |

## Vfiler Naming

### Overview

Vfilers are named using their function, business unit and a variety of other parameters. There are many types of vfiler. The main ones are shown below:

* Production Data (CPS)
* Production Infrastructure (CPS)
* Internal Data (CIS)
* Internal Infrastructure (CIS)
* Backup (CIS/CPS)

### Naming Standard

For client facing vfilers in CPS and CIS we use the following general naming standard:

<Function = 4 Characters>-<Type = 4 Characters>-<Site = 1 Character><4 Characters = Number>

For backup vfilers in CPS and CIS we use the following general naming standard:

<cis|cps>-<4 Characters = VLAN ID>-bkp-<1 Character = Site><4 Characters = Number>

For any vfiler provisioned by automation we use the following name standard:

svm<3 digits + 3 alphabet charaters>

The following table shows some examples of naming for vfilers.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Site Name** | **Vfiler Name** | |  |  |
| **Sites/location** | **CPS** | **CIS** | **CPS Backup** | **CIS Backup** |
| Eagan | prod-ecom-e0001 | prod-corp-e0001 | cps-1234-bkp-e0001 | cis-1234-bkp-e0001 |
| DTC | prod-ecom-d0001 | prod-corp-d0001 | cps-1234-bkp-d0001 | cis-1234-bkp-d0001 |
| Fareham | prod-ecom-u0001 | prod-corp-u0001 | cps-1234-bkp-u0001 | cis-1234-bkp-u0001 |
| Any (Dedicated) | ded-ecom-e001 | n/a | n/a | n/a |
| Any (provisioned by automation) | svm048kqb | svm049hgvn | svm041uhfk | svm075hhgf |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Note**

All vfiler names must be in lower case.

## Interface Naming

### Overview

Interface names are assigned to interface groups (ifgrps). These names are normally used to reflect the networks to which they are connected.

### Naming Standard

The following naming conventions apply to interfaces:

**CIS POD**

<corpvif><1 Character = Number>

**CPS POD**

<prodvif><1 Character = Number>

**CIS Cell (F&R Legacy Cells)**

<dcorpvif><1 Character = Number>

**CPS Cell (F&R Legacy Cells)**

<dprodvif><1 Character = Number>

The following table shows some examples of naming for interfaces.

|  |  |  |  |
| --- | --- | --- | --- |
| **Interface Name Name** | |  |  |
| **CPS POD** | **CIS POD** | **CPS Cell** | **CIS Cell** |
| prodvif0 | corpvif0 | dprodvif0 | dcorpvif0 |

**Note**

All interface names must be in lower case.

## Aggregate Naming

### Overview

Aggregate naming in 7-Mode is relatively simple as we allocate a single aggregate on the controller.

### Naming Standard

The following naming conventions apply to aggregates:

<aggr><1 Character = Number>\_<thin> i.e. aggr1\_thin

For an aggregate that has reached capacity the naming convention is:

<aggr><1 Character = Number>\_<thin>\_full i.e. aggr1\_thin\_full

For an aggregate that has performance issues the naming convention is:

<aggr><1 Character = Number>\_<thin>\_fullperf i.e. aggr1\_thin\_fullperf

**Note**

All aggregate names must be in lower case.

## Volume naming

### Overview

The volume naming convention for 7-Mode is fairly fragmented due to the different standards that are in operation. This naming standard attempts to define a single standard.

### Naming Standard

There are various types volumes , We are trying to put standard’s according to their type. The <cb> portion of the name is a CB code (**in lower case**) which can be obtained from the project, or you can look it up here if you know the BU. The <bu> portion is the business unit i.e. fnr (**in lower case**).

<https://ereport.thomsonreuters.com/scripts/sm9_dyna0.asp?id=COM312A>

|  |  |
| --- | --- |
| **Volume Purpose** | **Standard** |
| Database volume’s (LION/LooN) | <cb>\_<bu>\_<instance>\_s0<#>oradata1\_snap |
| Admin volume’s (LION/LooN) | <cb>\_<bu>\_<instance>\_s0<#>\_oraadm1\_snap |
| Code volume’s (LION/LooN) | <cb>\_<bu>\_<instance>\_n0<#>ora1\_snap |
| Flat Filesystem | <cb>\_<bu>\_<app>\_snap |
| Vfiler root volume | <vfiler name with \_>\_root |
| Vmware | <infra\_virtual\_p<vfiler site and seq number>snap<ret>/nosnap |
| Iscsi | <cb>\_<bu>\_wi\_<instance/app>\_info/usr\_snap |
| <cb>\_<bu>\_wi\_<instance/app>\_tsys\_nosnap |
| Secondary volume | sv\_<ret>\_<primary volume name> |
| Secondary Volume (provisioned by automation) | sv\_<primary volume name> |
| Volume that is to be destroyed after a given date | <volume\_name>\_exp\_<day><month><year> |

**Note**

All volume names must be in lower case.

For management modules replace snap with localsnap<#> as there are only local snapshots available.

## Qtree naming standard

### Overview

Qtrees are used in both client facing vfilers and also for backups. The utilization of qtrees differs between client facing and backup systems.

### Naming Standard.

For qtree name we have standard’s related to the volume within which it resides. However, solution design is allowed to chose a name related to application for a flat filesyetm.

For one to one mapping qtree name in 1 . For group snapvault we will use the volume name as the qtree with a volume name sv\_<ret>\_grp<type> “more on group snapvault doc”

## Volume and Qtree Naming Examples

The below table shows some examples of volume and associated qtree naming.

|  |  |  |
| --- | --- | --- |
| **Type** | **Volume name** | **Qtree Name** |
| Database volume’s (LION/LooN) | cb0001\_fnr\_cortellis728p\_s01ora1\_snap | s01oradata1 |
| Database volume’s (LION/LooN) mgmt module | cb0001\_fnr\_cortellis728p\_s01ora1\_localsnap07 | s01oradata1 |
| Admin volume’s (LION/LooN) | cb0001\_fnr\_cortellis728p\_s01oraadm1\_snap | s01oraadmin1 |
| Code volume’s (LION/LooN) | cb0001\_fnr\_cortellis728p\_n01ora1\_nosnap | n01oraadmin1 |
| Flat Filesystem | cb0001\_fnr\_ftplifesciences2\_snap | backfile |
| Vfiler root volume | prod\_ecom\_m0090\_root | n/a |
| Vmware | infra\_virtual\_pem0054\_snap07 | ds1 |
| iSCSI | cb0001\_fnr\_wi\_abacuspreprodsqledc1\_info\_snap | lun |
| Backup volume | sv\_7\_ infra\_virtual\_pem0054\_snap07 | 1 |
| Volume to be destroyed after a given date | <volume\_name>\_exp\_13oct2015 |  |

## CIFS share naming standard

### Overview

Given the information contained in volume names CIFS share names can be relatively free form and customer friendly so no standard is defined for them here.