

Naming Conventions



Naming Considerations



Object Naming Conventions

Entity	Environment Type	Layer/Type	Team/Function	Modifier	Privileges	Object Type	Name	Description
ENT	DEV	SECURITYADMIN				FR	ENT_DEV_SECURITYADMIN_FR	Functional Role
ENT	DEV	SYSADMIN				FR	ENT_DEV_SYSADMIN_FR	Functional Role
ENT	DEV	SERVICE	ELT			FR	ENT_DEV_SERVICE_ELT_FR	Functional Role
ENT	DEV	ENGINEER				FR	ENT_DEV_ENGINEER_FR	Functional Role
ENT	DEV	ANALYST				FR	ENT_DEV_ANALYST_FR	Functional Role
ENT	DEV	SERVICE	ELT				ENT_DEV_SERVICE_ELT	Service User
ENT_DEV_SERVICE_ELT_WH					USE	AR	ENT_DEV_SERVICE_ELT_WH_USE_AR	Access Role
ENT_DEV_SERVICE_ELT_WH					OP	AR	ENT_DEV_SERVICE_ELT_WH_OP_AR	Access Role
ENT_DEV_ADHOC_ALL_WH					USE	AR	ENT_DEV_ADHOC_ALL_WH_USE_AR	Access Role
ENT_DEV_ADHOC_ALL_WH					OP	AR	ENT_DEV_ADHOC_ALL_WH_OP_AR	Access Role
ENT_DEV_COMMON_DB					RO	AR	ENT_DEV_COMMON_DB_RO_AR	Access Role
ENT_DEV_COMMON_DB					RW	AR	ENT_DEV_COMMON_DB_RW_AR	Access Role
ENT_DEV_COMMON_DB					RF	AR	ENT_DEV_COMMON_DB_RF_AR	Access Role
ENT	DEV	SERVICE	ELT			WH	ENT_DEV_SERVICE_ELT_WH	Warehouse
ENT	DEV	ADHOC	ALL			WH	ENT_DEV_ADHOC_ALL_WH	Warehouse
ENT	DEV	COMMON				DB	ENT_DEV_COMMON_DB	DB common layer
ENT	DEV	RL		<source1>		DB	ENT_DEV_RL_<source1>_DB	DB raw layer
ENT	DEV	RL		<source2>		DB	ENT_DEV_RL_<source2>_DB	DB raw layer
ENT	DEV	RL		SAP		DB	ENT_DEV_RL_SAP_DB	DB raw layer
ENT	DEV	RL		SALESFORCE		DB	ENT_DEV_RL_SALESFORCE_DB	DB raw layer
ENT	DEV	IL				DB	ENT_DEV_IL_DB	DB integration layer
ENT	DEV	PL		<mart1>		DB	ENT_DEV_PL_<mart1>_DB	DB presentation layer
ENT	DEV	OUT				DB	ENT_DEV_OUT_DB	DB share/out layer
ENT	DEV	WRK	ALL			DB	ENT_DEV_WRK_ALL_DB	DB workspace layer
ENT	TST	COMMON				DB	ENT_TST_COMMON_DB	DB common layer

1. Corporate separateness
2. Usage-based chargebacks to business entities
3. Replication and sharing
4. DevOps flow
5. Clarity and organization for development as well as consumption
6. Physical sort of objects within both admin related tools as well as end-user facing tools (i.e., BI, catalogs, etc.).



Name Segments



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ENT	DEV	SYSADMIN				FR	ENT_DEV_SYSADMIN_FR	Functional Role
ENT	DEV	SERVICE	ELT			FR	ENT_DEV_SERVICE_ELT_FR	Functional Role
ENT	DEV	ENGINEER				FR	ENT_DEV_ENGINEER_FR	Functional Role
ENT	DEV	ANALYST				FR	ENT_DEV_ANALYST_FR	Functional Role
ENT	DEV	SERVICE	ELT				ENT_DEV_SERVICE_ELT	Service User
ENT_DEV_SERVICE_ELT_WH					USE	AR	ENT_DEV_SERVICE_ELT_WH_USE_AR	Access Role
ENT_DEV_SERVICE_ELT_WH					OP	AR	ENT_DEV_SERVICE_ELT_WH_OP_AR	Access Role
ENT_DEV_ADHOC_ALL_WH					USE	AR	ENT_DEV_ADHOC_ALL_WH_USE_AR	Access Role
ENT_DEV_ADHOC_ALL_WH					OP	AR	ENT_DEV_ADHOC_ALL_WH_OP_AR	Access Role
ENT_DEV_COMMON_DB					RO	AR	ENT_DEV_COMMON_DB_RO_AR	Access Role
ENT_DEV_COMMON_DB					RW	AR	ENT_DEV_COMMON_DB_RW_AR	Access Role
ENT_DEV_COMMON_DB					RF	AR	ENT_DEV_COMMON_DB_RF_AR	Access Role
ENT	DEV	SERVICE	ELT			WH	ENT_DEV_SERVICE_ELT_WH	Warehouse
ENT	DEV	ADHOC	ALL			WH	ENT_DEV_ADHOC_ALL_WH	Warehouse
ENT	DEV	COMMON				DB	ENT_DEV_COMMON_DB	DB common layer
ENT	DEV	RL		<source1>		DB	ENT_DEV_RL_<source1>_DB	DB raw layer
ENT	DEV	RL		<source2>		DB	ENT_DEV_RL_<source2>_DB	DB raw layer
ENT	DEV	RL		SAP		DB	ENT_DEV_RL_SAP_DB	DB raw layer
ENT	DEV	RL		SALESFORCE		DB	ENT_DEV_RL_SALESFORCE_DB	DB raw layer
ENT	DEV	IL				DB	ENT_DEV_IL_DB	DB integration layer
ENT	DEV	PL		<mart1>		DB	ENT_DEV_PL_<mart1>_DB	DB presentation layer
ENT	DEV	OUT				DB	ENT_DEV_OUT_DB	DB share/out layer
ENT	DEV	WRK	ALL			DB	ENT_DEV_WRK_ALL_DB	DB workspace layer
ENT	TST	COMMON				DB	ENT_TST_COMMON_DB	DB common layer

- Business Entity** – Business unit, subordinate entity within the BU or corporate function.
- Environment Type** – POC, dev, test, production, etc.
- Layer/Type** – Data architecture layer or classifying type within an object type.
- Team/Function** – Departmental team, sub-team, or functional area.
- Modifier** – Any additional modifier needed to clarify or make the name unique. For the raw layer this should be the name of the source database, otherwise use to remove any ambiguity regarding what type of object is being named.
- Privileges** – Only applies to access roles and specifies a logical group of privileges granted to the object.
- Object Type** – Database, warehouse, access role, functional role, etc.



Databases



High-level overview of naming convention patterns by layer.

1. Cloud Storage

- Pattern: <provider>://<account>/<container>/<source system>/<database>/<schema>/<table>/<extraction period>
- Example: <provider>://<account>/ent_prd/erp/sap/bom/product/2019/01

2. Raw Layer

- Pattern: <be>_<env>_rl_<source system>_<database>.<schema>.<table>
- Example: ent_prd_rl_erp_sap.bom.product

3. Integration Layer

- Pattern: <be>_<env>_il.<schema>
- Example: ent_prd_il.main.product_s

4. Presentation Layer

- Pattern: <be>_<env>_pl.<schema>
- Example: ent_prd_pl.main.product_dm

5. Share/Out

- Pattern: <be>_<env>_out.<destination>
- Example: ent_prd_out.sap.product_stg

6. Common

- Pattern: <be>_<env>_common.<schema>
- Example: ent_prd_common.utility

7. Workspace

- Pattern: <be>_<env>_wrk_<team>.<team member>
- Example: ent_prd_wrk_datascience.jsmith



Warehouses



1. Service

- Pattern: <be>_<env>_<type>_<team/function>_wh
- ent_prd_service_elt_wh
- ent_prd_service_looker_wh

2. User/Team

- Pattern: <be>_<env>_<type>_<team/function>_wh
- ent_prd_adhoc_all_wh
- ent_prd_adhoc_datascience_wh
- ent_prd_adhoc_marketing_wh



Roles



1. Functional Roles

- Pattern: `<be>_<env>_<type>_<team/function>_fr`
- `ent_prd_engineer_fr`
- `ent_prd_analyst_fr`
- `ent_prd_service_elt_fr`
- `ent_prd_service_looker_fr`

2. Access Roles

- Pattern: `<object name>_<privilege>_ar`
- `ent_prd_int_db_rw_ar`
- `ent_prd_int_db_ro_ar`
- `ent_prd_int_db_ref_ar`
- `ent_prd_adhoc_all_wh_use_ar`
- `ent_prd_adhoc_all_wh_operate_ar`

