Dataverse Field Types and Schema Naming Conventions

Field Type	OOB Schema Column Naming Example	Custom Field Schema Naming Convention Example	Description	Sub-Types / Additional Not
Single Line of Text	e.g.,`firstname`, `lastname`, `name`	e.g.,`new_ShortTextField`	Stores brief text values (often used for names, titles, or identifiers).	**Sub-types:** Ca formatted as pl email, URL, or p number; configu maximum lengt formatting optio
Multiple Lines of Text	e.g.,`description`, `comments`	e.g.,`new_LongTextField`	Provides a text area for longer, multi-line input such as detailed descriptions or notes.	May offer plain rich text (HTML formatting; supp larger character
Option Set (Choice)	e.g.,`statuscode`, `preferredcontactmethodcode`	e.g.,`new_StatusOption`	Presents a dropdown list with a fixed set of values for single-selection.	Usually implem as single-select are defined cen
Multi-Select Option Set	(Rarely OOB – more common in custom scenarios)	e.g.,`new_MultiSelectField`	Allows users to select multiple values from a predefined list.	Useful for taggi categorizing rec with multiple ap values.
Whole Number	e.g.,`numberofemployees`	e.g.,`new_WholeNumberField`	Stores integer values (no decimals). Typically used for counts, quantities, or ranking.	Often configure minimum/maxi value limits.
Decimal Number	e.g.,`exchangeRate`	e.g.,`new_DecimalField`	Stores numbers with defined precision and scale for exact numeric values.	Ideal for measu or figures requir exact decimal representation (precision and s can be set).
Floating Point Number	e.g.,`rating` (in some scenarios)	e.g.,`new_FloatField`	Captures approximate numeric values where exact precision isn't critical (floating point arithmetic).	May be used fo or scientific measurements; that floating poi numbers have i precision differe compared to de

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Currency	e.g.,`revenue`, `budget`	e.g.,`new_CurrencyField`	Designed to store monetary values with built-in currency formatting and conversion support.	Automatically m precision and o includes metad currency type; formatted acco locale.
Date and Time	e.g.,`createdon`, `modifiedon`	e.g.,`new_DateTimeField`	Records dates and times. Can be configured as “date only” or “date and time” (with time zone awareness).	Options include local” vs. “time independent” m critical for audit and event sche
Boolean (Two Options)	e.g.,`isactive`, `emailoptout`	e.g.,`new_BooleanField`	Holds a binary value (Yes/No or True/False).	Rendered as checkboxes; us flags, toggles, c indicators.
Lookup	e.g.,`ownerid`, `parentcustomerid`	e.g.,`new_RelatedEntityId`	Creates a relationship by referencing another entity record.	**Naming:** Conventionally with “id” (e.g., `primarycont` Can be polymo careful naming clarity.
Customer	e.g.,`customerid`	e.g.,`new_CustomerField`	A specialized lookup that can reference either an Account or a Contact, providing flexibility in customer data.	Often configure additional meta handle both Ac and Contact; er naming reflects dual-entity purp
Owner	e.g.,`ownerid`	(Generally system managed; custom owner fields are rare)	Indicates the record owner (user or team) for security and access control.	Naming is cons across the syst typically not alte customizations.
Unique Identifier (GUID)	e.g.,`accountid`, `contactid`	(System-managed; custom GUID fields are uncommon)	A system-generated globally unique identifier used as the primary key for records.	Not editable by auto-generated Dataverse.
Image / File	e.g.,`entityimage`	e.g.,`new_ImageField`	Stores images or file data associated with a record (used for	May include file and format rest image fields are supported nativ

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			profile pictures, logos, etc.).	record thumbna galleries.
Calculated Field	e.g.,`fullname` (computed from other fields)	e.g.,`new_CalculatedField`	Computes its value dynamically based on an expression that references other fields.	Not physically s the database; recalculated wh source data cha Can be used to combine or der information from existing fields.
Rollup Field	(Defined via system relationships and aggregations)	e.g.,`new_RollupField`	Aggregates data from related child records (such as summing values or counting related items).	Calculated asynchronously for summarizing from one-to-ma relationships (e. orders for an ac

Industry Standards for Relationship and Lookup Field Naming

- ## Relationship Naming:
  - **Clarity and Consistency:** Relationship names should clearly describe the association between entities. A common pattern is `{PrimaryEntity}_{RelationshipName}` (for example, `account_contact` for a relationship between an account and its primary contact).
  - **Avoid Ambiguity:** Use full, descriptive names rather than abbreviations to ensure that developers and administrators can immediately understand the relationship's purpose.
  - **Publisher Prefix:** For custom relationships, include the publisher's prefix (e.g., `new_`) to avoid naming collisions with OOB relationships.
- ## Lookup Field Naming:
  - **Entity Reference:** Lookup fields should incorporate the name of the referenced entity and end with an "id" suffix (e.g., `primarycontactid`, `new_managerid`).
  - **Descriptive:** The lookup field name should convey its role within the entity. For example, if a lookup refers to the account's primary contact, use a name that reflects that relationship.
  - **Consistency Across the Model:** Follow a standardized naming convention across all entities to simplify query writing, reporting, and integration development.