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# Configuration Layer Objects Reference Guide

CfgField

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# CfgField

## Description

*Fields* are single pieces of data within more complex data structures (for example, database records).

Use Fields to define characteristics of the data in Formats. (Refer to the Outbound Contact documentation set for more information.)

## Filter Keys

| Filter Name | Type   | Description                                                                                                                                                                               |
|-------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| tenant_dbid | int    | A unique identifier of the tenant. If specified, Configuration Server will return information only about the fields that belong to this tenant.                                           |
| name        | string | Name of a field. Shall be specified as a character string. If specified, Configuration Server will return information only about the field(s) with that name.                             |
| state       | int    | Current state of the field (See type <a href="#">CfgObjectState</a> ). If specified, Configuration Server will return information only about the fields that are currently in this state. |
| type        | int    | A data type of field in data base(See type <a href="#">CfgDataType</a> ). If specified, Configuration Server will return information only about fields that have this data type.          |
| field_type  | int    | A field type (See type <a href="#">CfgFieldType</a> ). If specified, Configuration Server will return information only about fields that have this field type.                            |
| dbid        | int    | A unique identifier of a field. If specified, configuration server will return information only about this field.                                                                         |
| format_dbid | int    | A unique identifier of format. If specified, configuration server will return information only about                                                                                      |

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| Filter Name | Type | Description                        |
|-------------|------|------------------------------------|
|             |      | fields that belong to this format. |

## Attributes

- DBID — An identifier of this object in the Configuration Database. Generated by Configuration Server and is unique within an object type. Identifiers of deleted objects are not used again. Read-only.
- tenantDBID — A unique identifier of the [CfgTenant](#) that this field belongs to. Mandatory. Once specified, cannot be changed.
- name — A field name in data base. Due to restrictions of database engine the recommended length for property name is 1-12 characters. Mandatory, once specified cannot be changed.
- type — A data type of field in data base. Mandatory, once specified cannot be changed. See [CfgDataType](#).
- description — A pointer to the description of field. Optional.
- length — A length of field in data base. Optional, once specified cannot be changed.
- fieldType — A field type. Refer to [CfgFieldType](#) of User Defined Variable types. Mandatory, once specified cannot be changed.
- defaultValue — A pointer to the default value of field. Specify what value to insert when a user does not enter a value. Optional.
- isPrimaryKey — A flag which determines whether or not a field is used as primary key. Once specified cannot be changed. See [CfgFlag](#).
- isUnique — A flag which determines whether or not a field is used as unique. Once specified cannot be changed. See [CfgFlag](#).
- isNullable — A flag which determines whether or not a field can allow null values (NULLs) for the data in that field. Once specified cannot be changed. See [CfgFlag](#).
- state — Current object state. Mandatory. Refer to [CfgObjectState](#).
- userProperties — A pointer to the list of user-defined properties. Parameter userProperties has the following structure: Each key-value pair of the primary list (TKVList \*userProperties) uses the key for the name of a user-defined section, and the value for a secondary list, that also has the TKVList structure and specifies the properties defined within that section.

## Comments

A field cannot be deleted as long as it is associated with at least one format (see [CfgFormat](#)).

Uniqueness of object is defined by combination of name and fieldType properties.

The table below lists the outbound mandatory fields and their default settings. Fields should be created as default objects in Configuration Server under the Environment folder.

| fieldType             | name                | description                                                                  | isPrimary Key | isUnique | isNullable | default Value                                                   | type          |
|-----------------------|---------------------|------------------------------------------------------------------------------|---------------|----------|------------|-----------------------------------------------------------------|---------------|
| CFGFTRecordID         | Record_id           | Unique record identifier                                                     | No            | Yes      | No         | No                                                              | INT           |
| CFGFTPhone            | contact_info        | Contact Info                                                                 | No            | No       | No         | No                                                              | VARCHAR (128) |
| CFGFTPhoneType        | contact_info_type   | Contact Info Type                                                            | No            | No       | No         | 1=<br>GctiCtTyHomePhone<br>from<br>GctiContactType<br>of Gcti.h | INT           |
| CFGFTRecordType       | Record_type         | Record type                                                                  | No            | No       | No         | 2=<br>GctiRecTyGeneral<br>from<br>GctiRecordType<br>of Gcti.h   | INT           |
| CFGFTRecordStatus     | Record_status       | Record status                                                                | No            | No       | No         | 1=<br>GctiRecStReady<br>from<br>GctiRecordStatus<br>of Gcti.h   | INT           |
| CFGFTDialResult       | Call_result         | Dial result                                                                  | No            | No       | Yes        | 28 =<br>GctiCSUnknown<br>from<br>GctiCallState<br>of Gcti.h     | INT           |
| CFGFTNumberOfAttempts | OfAttempts          | Number of attempts has been made, excluding re-dials in case of errors       | No            | No       | No         | 0                                                               | INT           |
| CFGFTScheduledTime    | Call_scheduled_time | Time, when scheduled call must be done, seconds since midnight of 01/01/1970 | No            | No       | Yes        | No                                                              | INT           |
| CFGFTCallTime         | Call_time           | Time when last call or dial attempt has been done, seconds since             | No            | No       | Yes        | No                                                              | INT           |

| fieldType          | name           | description                                                               | isPrimary Key | isUnique | isNullable | default Value  | type         |
|--------------------|----------------|---------------------------------------------------------------------------|---------------|----------|------------|----------------|--------------|
|                    |                | midnight of 01/01/1970                                                    |               |          |            |                |              |
| CFGFTFrom          | daily_from     | Earliest time to perform the call. Seconds from midnight.                 | No            | No       | No         | 28800 = 8AM    | INT          |
| CFGFTUntil         | daily_till     | Latest time to perform the call. Seconds from midnight                    | No            | No       | No         | 64800 = 6PM    | INT          |
| CFGFTTimeZone      | time_zone_dbid | Time zone. DBID from Configuration Data Base.                             | No            | No       | No         | 122="PST" DBID | INT          |
| CFGFTCampaign      | campaign_id    | DBID of the campaign with respect to the last dial attempt has been made. | No            | No       | Yes        | No             | INT          |
| CFGFTAgentID       | agent_id       | Agent login identifier                                                    | No            | No       | Yes        | No             | VARCHAR (32) |
| CFGFTChainID       | chain_id       | Unique identifier of chain                                                | Yes           | No       | No         | No             | INT          |
| CFGFTNumberInChain | line_id        | Unique identifier of record within chain                                  | Yes           | No       | No         | No             | INT          |
| CFGFTGroupDBID     | group_id       | AgentGroup or PlaceGroup unique identifier (DBID)                         | No            | No       | Yes        | No             | INT          |
| CFGFTAppDBID       | app_id         | Application unique                                                        | No            | No       | Yes        | No             | INT          |

| fieldType            | name       | description                                             | isPrimary Key | isUnique | isNullable | default Value | type         |
|----------------------|------------|---------------------------------------------------------|---------------|----------|------------|---------------|--------------|
|                      |            | identifier(DBID)                                        |               |          |            |               |              |
| CFGFTTreatment       | treatments | Treatments History                                      | No            | No       | Yes        | No            | VARCHAR(255) |
| CFGFTMediaReference  | reference  | Reference to media body to be sent in case of treatment | No            | No       | Yes        | No            | INT          |
| CFGFTEmailSubject    | subject    | Email Subject                                           | No            | No       | Yes        | No            | VARCHAR(255) |
| CFGFTEmailTemplateID | templateID | Email Template ID                                       | No            | No       | Yes        | No            | INT          |
| CFGFTSwitchID        | Switch_id  | Switch ID                                               | No            | No       | Yes        | No            | INT          |

## XML Representation

### Tip

This XML was created using the Configuration Server 7.5 schema.

```

<CfgField>
  <DBID value="101" />
  <tenantDBID value="1" />
  <name value="AField" />
  <type value="1" />
  <description value="Description" />
  <length value="0" />
  <fieldType value="1" />
  <isPrimaryKey value="1" />
  <isUnique value="2" />
  <isNullable value="1" />
  <state value="1" />
</CfgField>

```

## See Also

[CfgDeltaField](#)

[CfgFormat](#)