

# Definitions Syntax

Under Construction

## Group

Defines a XINA group.

Property	Value
name	string
desc	string

## Database

Defines a XINA database. The `name` and `fields` values are required, and at least one field must be provided. If `label` is not provided it will be the same as `name`.

Property	Value
name	string
label	string (optional)
format	string (optional)
path	string (optional)
desc	string (optional)
dynamic	boolean (optional, default <code>false</code> )
event	boolean (optional, default <code>false</code> )
file	boolean (optional, default <code>false</code> )
link	boolean (optional, default <code>false</code> )
lock	boolean (optional, default <code>false</code> )
log	boolean (optional, default <code>false</code> )
notify	boolean (optional, default <code>false</code> )
subscribe	boolean (optional, default <code>false</code> )
tag	boolean (optional, default <code>false</code> )

Property	Value
track	boolean (optional, default false )
trash	boolean (optional, default false )
wall	boolean (optional, default false )
objects	object (optional)
files	object (optional)
fields	array of fields
blobs	array of blobs (optional)
indexes	array of string values (optional)
databases	array of databases (optional)

# Field

Defines a XINA database field. The name and type are required. If label is not provided it will be the same as name.

```
{
  "name"  : <string>,
  "label" : <string>, (optional)
  "type"  : <string>,
  "format" : <string>, (optional)
  "meas"   : <string>, (optional)
  "unit"   : <string>, (optional)
  "desc"   : <string>, (optional)
  "def"    : <string>, (optional)
  "ref"    : <string>, (optional)
  "key"    : <boolean>, (optional, default false)
  "nul"    : <boolean>, (optional, default false)
  "strict" : <boolean>, (optional, default false)
  "lock"   : <boolean>, (optional, default false)
  "options" : [ <[#Field Option|field option]>, ... ] (optional)
}
```

## Field Option

A value option for a field. Regardless of the field type the value here should be a string representation of the actual value.

```
{  
  "value" : <string>,  
  "desc"  : <string> (optional)  
}
```

# Blob

Defines a XINA database blob. The `name` is required. If `label` is not provided it will be the same as `name`.

```
{  
  "name"   : <string>,  
  "label"  : <string>, (optional)  
  "desc"   : <string>, (optional)  
  "nul"    : <boolean> (optional, default false)  
}
```

# Index

Defines an index on one or more columns of a database record table.

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