

pgAdmin 4

File Object Tools Help

Servers (1)

PostgreSQL 14

Databases (4)

clima\_alerta

bd\_escola

Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas (1) Subscriptions math\_for\_comp\_sci postgres Login/Group Roles Tablespaces

Dashboard Properties SQL Statistics Dependencies Dependents clima\_alerta/postgres@PostgreSQL 14 \*

Query Editor Query History

```
1 CREATE TABLE TipoEvento (
2     idTipoEvento SERIAL PRIMARY KEY,
3     nome VARCHAR(100) NOT NULL,
4     descricao TEXT
5 );
6
7
8 CREATE TABLE Localizacao (
9     idLocalizacao SERIAL PRIMARY KEY,
10    latitude DECIMAL(9,6) NOT NULL,
11    longitude DECIMAL(9,6) NOT NULL,
12    cidade VARCHAR(100) NOT NULL,
13    estado VARCHAR(2) NOT NULL
14 );
15
16
17 CREATE TABLE Usuario (
18     idUsuario SERIAL PRIMARY KEY,
19     nome VARCHAR(150) NOT NULL,
20     email VARCHAR(150) NOT NULL UNIQUE,
21     senhaHash VARCHAR(255) NOT NULL
22 );
23
24
25 CREATE TABLE Evento (
26     idEvento SERIAL PRIMARY KEY,
27     titulo VARCHAR(200) NOT NULL,
28     descricao TEXT
29 );
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```

Data Output Explain Messages Notifications

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Query Editor Query History

```
27     titulo VARCHAR(200) NOT NULL,
28     descricao TEXT,
29     datahora TIMESTAMP NOT NULL,
30     status VARCHAR(30) NOT NULL CHECK (status IN ('Ativo', 'Em Monitoramento', 'Resolvido')),
31     idTipoEvento INTEGER NOT NULL,
32     idLocalizacao INTEGER NOT NULL,
33
34     CONSTRAINT fk_tipoEvento
35         FOREIGN KEY (idTipoEvento)
36             REFERENCES TipoEvento(idTipoEvento)
37             ON DELETE RESTRICT,
38
39     CONSTRAINT fk_localizacao
40         FOREIGN KEY (idLocalizacao)
41             REFERENCES Localizacao(idLocalizacao)
42             ON DELETE RESTRICT
43 );
44
45
46 CREATE TABLE Relato (
47     idRelato SERIAL PRIMARY KEY,
48     texto TEXT NOT NULL,
49     datahora TIMESTAMP NOT NULL,
50     idEvento INTEGER NOT NULL,
51     idUsuario INTEGER NOT NULL,
52
53     CONSTRAINT fk_evento_relat
54         FOREIGN KEY (idEvento)
55             REFERENCES Evento(idEvento)
56             ON DELETE CASCADE,
57
58     CONSTRAINT fk_usuario_relat
59         FOREIGN KEY (idUsuario)
60             REFERENCES Usuario(idUsuario)
61             ON DELETE CASCADE
62 );
```

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Servers (1) PostgreSQL 14 Databases (4) clima\_alerta/postgres@PostgreSQL 14\*

clima.alerta/postgres@PostgreSQL 14\*

No limit

```
62 );
63
64 CREATE TABLE Alerta (
65     idAlerta SERIAL PRIMARY KEY,
66     mensagem TEXT NOT NULL,
67     dataHora TIMESTAMP NOT NULL,
68     nivel VARCHAR(20) NOT NULL CHECK (nivel IN ('Baixo', 'Médio', 'Alto', 'Crítico')),
69     idEvento INTEGER NOT NULL,
70
71     CONSTRAINT fk_evento_alerta
72         FOREIGN KEY (idEvento)
73             REFERENCES Evento(idEvento)
74             ON DELETE CASCADE
75 );
76
77 CREATE TABLE HistoricoEvento (
78     idHistorico SERIAL PRIMARY KEY,
79     idEvento INTEGER NOT NULL,
80     idUsuario INTEGER NOT NULL,
81     statusAnterior VARCHAR(30),
82     statusNovo VARCHAR(30) NOT NULL CHECK (statusNovo IN ('Ativo', 'Em Monitoramento', 'Resolvido')),
83     dataAlteracao TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
84     observacao TEXT,
85
86     CONSTRAINT fk_evento_historico
87         FOREIGN KEY (idEvento)
88             REFERENCES Evento(idEvento)
89             ON DELETE CASCADE,
90
91     CONSTRAINT fk_usuario_historico
92         FOREIGN KEY (idUsuario)
93             REFERENCES Usuario(idUsuario)
94             ON DELETE SET NULL
95 );
```

Query Editor Query History Notifications

Data Output Explain Messages

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