**Streaming Platform Analytics – ER Diagram**

A screenshot of a computer

AI-generated content may be incorrect.

**Relational Schema**

**Entities, attributes, keys, and constraints**

**TITLE**

* title\_id NUMBER PK, identity
* name VARCHAR2(300) NOT NULL
* release\_year NUMBER(4)
* runtime\_min NUMBER(5)
* age\_rating VARCHAR2(20)
* content\_type VARCHAR2(10) NOT NULL DEFAULT 'Movie'
* CHECK (content\_type IN ('Movie','Series'))

**GENRE**

* genre\_id NUMBER PK, identity
* name VARCHAR2(80) NOT NULL
* UNIQUE (name)

**TITLE\_GENRE** (bridge)

* title\_id NUMBER NOT NULL FK → TITLE(title\_id)
* genre\_id NUMBER NOT NULL FK → GENRE(genre\_id)
* PK (title\_id, genre\_id)

**PLATFORM**

* platform\_id NUMBER PK, identity
* name VARCHAR2(120) NOT NULL
* launch\_year NUMBER(4)
* monthly\_price\_usd NUMBER(6,2)
* UNIQUE (name)

**AVAILABILITY**

* availability\_id NUMBER PK, identity
* title\_id NUMBER NOT NULL FK → TITLE(title\_id)
* platform\_id NUMBER NOT NULL FK → PLATFORM(platform\_id)
* start\_date DATE
* end\_date DATE
* CHECK (end\_date IS NULL OR start\_date IS NULL OR end\_date >= start\_date)

**RATING\_SOURCE**

* source\_id NUMBER PK, identity
* name VARCHAR2(40) NOT NULL
* scale\_max NUMBER(4,1) NOT NULL -- 100 for RT/Metacritic; 10.0 for IMDb
* has\_votes CHAR(1) NOT NULL DEFAULT 'Y' -- 'Y' or 'N'
* UNIQUE (name)
* CHECK (has\_votes IN ('Y','N'))

**RATING**

* rating\_id NUMBER PK, identity
* title\_id NUMBER NOT NULL FK → TITLE(title\_id)
* source\_id NUMBER NOT NULL FK → RATING\_SOURCE(source\_id)
* metric\_type VARCHAR2(40) NOT NULL DEFAULT 'overall'
* rating\_value NUMBER(4,1) NOT NULL
* rating\_count NUMBER
* rating\_date DATE

**Cardinalities**

TITLE 1 ──< TITLE\_GENRE >── 1 GENRE

TITLE 1 ──< AVAILABILITY >── 1 PLATFORM

TITLE 1 ──< RATING >── 1 RATING\_SOURCE

**Compact Crow’s Foot ERD**

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