

What is sqj bridge structure



Overview

Bridge tables are specialized structures within the Business Vault layer of a Data Vault architecture that span across a Hub and one or more associated Links. They improve query performance by pre-joining entities and reducing the number of joins needed for complex queries. The module allows you to leverage Ignition's unlimited tags and database connections at an astonishingly low price — even if you don't know much about SQL databases. Think of the. Seismic bridge design has been improving and advancing based on research findings and lessons learned from past earthquakes, such as the 1989 Loma Prieta and the 1994 Northridge, USA, the 1995 Hyogo-ken Nanbu (Kobe) in Japan, the 1999 Jiji (Chi-Chi) in Taiwan, and the 2008 Wenchuan in China. This bridge table is used to represent the association between two entities without creating a direct relationship between them In a many-to-many relationship. SQL is the catch all term used to describe database software. Please note that most of the SQL Bridge information below is part of the core functionality of Ignition.

Article Content

Aug 17, 2025

SQL Bridge Module

Think of the SQL Bridge Module as a “Swiss Army Knife” for integrating programmable logic controllers (PLCs) and SQL databases in unlimited ways.

May 15, 2026

RyanSchlenz/Data-Vault-Bridge-Tables-Implementation

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Mar 16, 2026

Relational Data Modeling

An association table (bridge table) is a table that permits to implement: one-to-one relationship or many-to-many relationship Because most of database only support one-to-many relationships, it is ...

Nov 01, 2025

Ignition Explained: SQL Bridge Module

SQL Bridge allows you to connect to your SQL database and build some structure without having to know anything about SQL to begin with. Inductive Automation calls it a "SQL Swiss Army ...

Jul 30, 2025

Ignition Historian

When do you recommend to use the Ignition Modules “Tag Historian” vs “SQL Bridge”? From what I saw on the forums, SQL Bridge is particularly good for PLC to DB hand-shakes, such as ...

May 15, 2026

Travis Cox explains SQL Bridge Module

Travis Cox, our Chief Technology Evangelist, explains the SQL Bridge Module, often called a “Swiss Army Knife” for efficiently moving data between PLCs and SQL databases. It leverages...

Jul 02, 2025

Bridge Table in Database. A many-to-many relationship in a... | by ...

A many-to-many relationship in a relational database typically requires a bridge table, also known as an associative or junction table. This bridge table is used to represent the association...

Oct 12, 2025

CHAPTER 20.2 SEISMIC DESIGN OF STEEL BRIDGES

The bridge is 9,432.75 ft long and comprised of two main structures: the main channel crossing and a slab structure. The main structure is 8,650 ft long with 40 spans arching over the San Joaquin River, ...

May 18, 2026

What do bridge tables contain? - SQLServerCentral Forums

Such a table certainly could contain measures. The concept of a "bridge table" (AKA join table or association table among other names) is actually pretty subjective and difficult to pin down.

Sep 07, 2025

SQL Bridge Module: Bridging the Gap Between SQL and PLCs

Often called a "Swiss Army Knife" for efficiently moving data between PLCs and SQL databases, the SQL Bridge Module leverages Ignition's native database connectivity to map data to ...

Contact Us

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