AUTODESK Tandem | Tandem 201: Integrations with Tandem Connect

Version 1.1 July 2025

How does one get started?
This guide provides a workflow for Twin Builders who want to get started in their journey of implementing a digital twin solution that meets their owner's business goals.

How to use this document?
Read this document in sequence. Each card includes icons for a video or article with a hyperlink that will point you to an external website.

Still have questions?
Post your question in the Tandem Forum

Getting Started

First Time Connecting

Tandem Connect Signup
Sign up for free or, Log-in to the Tandem application at the link below:
tandem-connect.autodesk.com

Tandem Connect Overview
What is Tandem Connect?

Tandem Connect Licensing

Tandem Connect Pricing

Licensing Technical Considerations
• Sandbox vs Production

Tandem Connect Basics

Key Concepts
Overview of key terms and concepts while

Navigating Tandem Connect User Interface

Adding Additional Users
Overview of key terms and concepts while

This section is meant to provide you with a basic understanding of Tandem Connect - what it is, the environment, and how licensing works.

Connecting Diverse IT/OT Solutions

Building & Services

IBM maximo

ARCHIBUS

eptura Asset

SAP

BACnet

SCADA

OPC UA

MQTT

Microsoft Azure IoT Hub

Build Pipelines

Acquiring Integration Credentials

Where to find your credentials & facility ID to link to Tandem

Preparing Tandem & Your 1st Pipelines

Simulated Data

Weather Tutorial

Helpful Tools & Tips

Tandem Connect Tools: Converter Plugin

Troubleshooting Tips and Tricks

This section is meant to help you get a feel for building pipelines and to simulate data for your twin in leu of live system data.

Define Requirements

Integration Planning

BMS Key Concepts & Integration Options
• How to assess system requirements

Data Integration
• How to assess integration requirements

Tandem Connect Integrations List
• Determining Tandem Connect Plugin Requirements

This section is meant to help you determine what to integrate from your own facilities and the requirements you'll need to gather before implementation.

Build Solutions

Protocol Specific

BACnet
Reading device property values from BACnet network of devices and sending the data as streams to Tandem.

MQTT Tutorial
How to use the Cloud MQTT broker to send data to Tandem

Spreadsheet

Product Specific

Archibus
Synchronize and transmit data across Tandem and Archibus platforms

Robin
• Update Tandem with occupancy and space data from Robin
• Update space data from Tandem to Robin

Vergesense
Update the Tandem facility with occupancy data from VergeSense

Maximo
• Maximo to Tandem - Update Asset Properties
• Tandem to Maximo - Create Assets
• Tandem to Maximo - Add Asset URL

This section is meant to introduce you to, and guide you in integrating the systems determined in the planning phase, with step by step walkthroughs.

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Additional Resources