



Technical Reference 137-SZC

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Collecting Data to Set Up SmartZone Cloud	
Applies to:	SmartZone Cloud software
Objective:	Collect all the data needed to setup a SmartZone Cloud system
Pre-Requisites:	SmartZone Cloud software

Description

This document outlines the type of data to collect for the setup of a SmartZone Cloud system. This covers all types of data and assets or equipment. Depending on how the SmartZone Cloud application is to be used, a subset of this data may be required.

Gathering Data

We recommend collecting the following information beforehand to streamline your SmartZone Cloud onboarding experience.

- A list of intended users, including their email addresses and the SmartZone Cloud role they should have (Administrator, Data Center Manager, Power User, Read Only, or Reporting)
- Access policies for locations or assets
- Unit types – imperial or metric
- A list of web domains used by your company (for example, “yourcompany.com”)
- A list of IP addresses or ranges for devices that you wish to include or exclude from SmartZone Cloud discovery scans
- Modbus device data
 - Device ID (address), Type (input register, holding register, coil, discrete input), Data Type (16/32-bit integer, big/little endian, signed/unsigned, float), Sensor type (state, status, selected source)
- BACnet Object Instance, Sensor type for each sensor
 - Supported types include analog input, analog value, binary input, binary value, multi-state input
- Polling interval
- Physical addresses and background images (such as floor maps) for all your data center locations (JPG, SVG, or PNG formats)
- A list of all your racks, including their location, model, and manufacturer
- A list of all your assets, including their location, model, manufacturer, and serial number
- A list of custom properties

- Name, group, type, asset type, default value
- Thresholds for each sensor
- Discovery settings
 - IP addresses, ranges, etc.
 - Protocol settings (community strings and user/passwords)
 - Discovery schedules (daily, weekly, monthly)

Note: You can download an asset bulk import template directly from SmartZone Cloud as follows (go to **Assets** → **Bulk Import** → **Download Template File** → **Assets**).

Supporting Software and Equipment

You will need to acquire and install the following software to access and operate the SmartZone Cloud application.

Supported web browsers:

- You can run SmartZone Cloud on Google Chrome, Mozilla Firefox, or Microsoft Edge (Chromium).

Supported equipment Minimum Requirements

You cannot install multiple instances of the Data Collector on the same server.

Windows Server

- Server 2016 or later (for production or testing purposes) or Windows 10 (only for testing)
- 2 CPU cores
- 4 GB of RAM
- 20 GB of free space.

Linux Server

- 4 CPU cores
- 8 GB of RAM
- 64 GB of free space
- One of the following supported Linux distributions installed:
 - Debian 10.xx or 11.xx
 - Ubuntu Server LTS 18.04.xx or 20.04.xx
- You must also have the following software installed:
 - Docker 19.03.15 or later
 - Docker Compose 1.29.2 or later
- The supported Linux distributions typically install environment dependencies for the Data Collector by default.

Setup Data Collectors:

You must install the SmartZone Cloud Data Collector on at least one server that is networked with your devices to run auto-discoveries. For larger organizations, Panduit recommends having one or more Data Collector servers per data center.

- Download the Data Collector.
- Install the Data Collector.
- Register the Data Collector.
- Allow network access using any of the credentials below:

Protocol	Ports	Credential Requirements
SNMP	161, 162	Community string or user/pass
Modbus/TCP	502	Not required
BACnet IP	87808 or UDP	Not required
IPMI	623 and 1900	User/password
iLO	623	User/password
SSH	22	User/password or user/key
WMI	135	User/password
VMware	883	User/password